# BeyondTrust

# Remote Support 22.2 Cloud Admin Guide

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# **Remote Support Administrative Interface**

This guide offers a detailed overview of **/login** and is designed to help you administer BeyondTrust users and your BeyondTrust software. The BeyondTrust Appliance B Series serves as the central point of administration and management for your BeyondTrust software and enables you to log in from anywhere that has internet access in order to download the representative console.

Use this guide only after an administrator has performed the initial setup and configuration of the B Series Appliance as detailed in the <u>BeyondTrust Appliance B Series Hardware Installation Guide</u> at <u>www.beyondtrust.com/docs/remote-support/getting-</u> <u>started/deployment/hardware</u>. Once BeyondTrust is properly installed, you can begin supporting customers immediately. Should you need any assistance, please contact at <u>www.beyondtrust.com/support</u>.

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# Log in to the Administrative Interface

# Login

Log in to the user administrative interface by going to your B Series Appliance's URL followed by **/login**. The user administrative interface enables administrators to create user accounts and configure software settings.

Although your B Series Appliance's URL can be any registered DNS, it will most likely be a subdomain of your company's primary domain (e.g. support.example.com/login).

Default Username: admin

#### Default Password: password

Because BeyondTrust Remote Support is licensed by concurrent users, you can set up as many accounts as you need, each with unique usernames and passwords.

**Note:** When logging into the administrative interface for the first time, BeyondTrust Cloud administrators are required to click through and accept the BeyondTrust EULA.

If two-factor authentication is enabled for your account, enter the code from the authenticator app.

**Note:** If more than one language is enabled for your site, select the language you want to use from the dropdown menu. You can also change the language of your choice after logging in to the admin site.

For more information on 2FA, please see <u>How to Use Two Factor Authentication with BeyondTrust Remote Support</u> at www.beyondtrust.com/docs/remote-support/how-to/2-factor-authentication/.

**Note:** Users who were authenticating using email codes will be automatically upgraded to two-factor authentication (2FA), although they may continue to use email codes until they register an app. Once they begin to use 2FA, the email code option is permanently disabled.

#### **Use Integrated Browser Authentication**

If Kerberos has been properly configured for single sign-on, you can click the link to use integrated browser authentication, allowing you to enter directly into the web interface without requiring you to enter your credentials.

For more information, please see <u>Kerberos Server for Single Sign-On</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/how-to/integrations/security-providers/kerberos/index.htm.

#### Forgot your password?

If password reset has been enabled from the *l*login > Management > Security page and the SMTP server has been set up for your site, this link is visible. To reset your password, click the link, enter and confirm your email address, and then click Send. If there is more than one user sharing the same email address, you are required to confirm your username. You will receive an email with a link that takes you back to the login page. On the login screen, enter and confirm your new password, and then click Change Password.

# **Login Agreement**

Administrators may restrict access to the login screen by enabling a prerequisite login agreement that must be confirmed before the login screen is displayed. The login agreement can be enabled and customized from the **/login > Management > Site Configuration** page.

# Status

# Information: View BeyondTrust Remote Support Software Details



# Site Status

The main page of the BeyondTrust Remote Support /login interface gives an overview of your B Series Appliance statistics. When contacting BeyondTrust Technical Support for software updates or troubleshooting purposes, you may be asked to email a screenshot of this page.

#### Time Zone

An administrator can select the appropriate time zone from a dropdown, setting the correct date and time of the B Series Appliance for the selected region.

#### **Total Jump Clients Allowed**

Review the total number of active and passive Jump Clients which are allowed on your system. If you need more Jump Clients, contact BeyondTrust Technical Support.

#### **Full Support Licenses**

View the number of licenses available on your BeyondTrust Appliance B Series. If you need more licenses, contact BeyondTrust Sales.

#### Chat Support Licenses

View the number of chat licenses available on your BeyondTrust Appliance B Series. If you need more licenses, contact BeyondTrust Sales.

#### License Packs

Lists installed one-time and recurring license packs, providing their counts, active status, start and end dates, and recurring status. Customers who have subscription based licenses may add on multiple individual license packs that either expire (burst) or reactivate (seasonal).

**Note:** Active license packs are included in the count of full support licenses; however, they cannot be assigned to license pools.

#### **Restart Remote Support Software**

You can restart the BeyondTrust software remotely. Restart your software only if instructed to do so by BeyondTrust Technical Support.

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# **Client Software**

This is the hostname to which BeyondTrust client software connects. If the hostname attempted by the client software needs to change, notify BeyondTrust Technical Support of the needed changes so that Support can build a software update.

# **Connected Clients**

View the number and type of BeyondTrust software clients that are connected to your BeyondTrust Appliance B Series.

# **ECM Clients**

View the number of BeyondTrust Endpoint Credential Managers (ECM) that are connected to your BeyondTrust Appliance B Series. Also, view information about the location and connection time for each ECM.

**Note:** To ensure optimal up-time, administrators can install up to five ECMs on different Windows machines to communicate with the same site on the BeyondTrust Appliance B Series. A list of the ECMs connected to the B Series Appliance site can be found at **/login > Status > Information > ECM Clients**.

**Note:** When multiple ECMs are connected to a BeyondTrust site, the B Series Appliance routes requests to the ECM that has been connected to the B Series Appliance the longest.

# **Representatives: View Logged In Reps and Send Messages**

```
Status
```

REPRESENTATIVES

# Logged In Representatives

View a list of representatives logged into the representative console, along with their login time and whether they are running support or presentation sessions.

#### **Terminate Session**

You can terminate a representative's connection to the representative console.

#### Send Message to Representatives

Send a message to all logged-in representatives via a pop-up window in the representative console.

# **Extended Availability Representatives**

View representatives who have extended availability mode enabled. Enabling extended availability mode does consume a license.

#### **Disable Extended Availability**

You may disable a representative's extended availability in order to free up a license.

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# What's New: See Software Release Details



#### What's New

Easily review BeyondTrust features and capabilities newly available with each release. Learning about new features as they become available can help you make the most of your BeyondTrust deployment.

The first time you log in to the administrative interface after a BeyondTrust software upgrade, the **What's New** page will receive focus, alerting you that new features are available on your site. You must be an administrator to view this tab.

The information shown on the **What's New** page is also available to representatives in the representative console, from the **Help > About** menu.

*For more information, please see <u>Updates and Features Lists</u> at <u>https://www.beyondtrust.com/docs/remote-</u> <u>support/updates/index.htm</u>.* 

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# My Account: Change Password and Username, Download the Representative Console and Other Software



#### **User Drop Down Menu**

Besides displaying the current user's name and a logout button, the user dropdown menu located on the upper-right corner of the UI offers access to a few key features from anywhere on the admin site:

- Launch Web Rep Console: This gives you convenient access to the web rep console from anywhere in /login.
- Download Representative Console: This gives yo a quick link to download the representative console.
- Enable Extended Availability: Enables the feature in the Representative Console.
- Language: Displays the current language. If more than one language is enabled for your site, select the language you want to use from the dropdown menu. This language is also applied to the Representative Console.

For more information, please see <u>Use Extended Availability to Stay Accessible when Not Logged In at</u> https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/extended-availability.htm.

# Web Rep Console

Launch the web rep console, a web-based representative console. Access remote systems from your browser without having to download and install the full representative console.

# **Representative Console**

#### Choose Platform

Choose the operating system on which you wish to install this software. This dropdown defaults to the appropriate installer detected for your operating system.

For more information, please see <u>Web Rep Console Guide</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u> started/rep-console/web/index.htm.

#### **Download Representative Console**

Download the BeyondTrust representative console installer in order to provide remote support.

To install the representative console without displaying any windows, spinners, errors, or other visible alerts, append /S to the end of the EXE command, though for mass deployment, BeyondTrust recommends using the MSI installer.

For system administrators who need to push out the console installer to a large number of systems, the Microsoft Installer can be used with your systems management tool of choice. In your command prompt, when composing the command to install the console using an MSI, change to the directory where the MSI was downloaded and enter the command included on the **My Account** page.

You can include optional parameters for your MSI installation.

- INSTALLDIR= accepts any valid directory path where you want the console to install.
- RUNATSTARTUP= accepts 0 (default) or 1. If you enter 1, the console runs each time the computer starts up.
- ALLUSERS= accepts "" (default) or 1. "" is the default value. This attribute is only needed when specifying per-machine installs.

ALLUSERS="" results in a single user install. This forces the representative console to install in the same context that is being used to run the MSI installation. This is not ideal if Local System is used to run the installation, as is often the case with mass deployment tools. There is no way to target the install to a specified user via MSI parameters, so if you are deploying the MSI through an automated deployment system while using the single user install flag, the deployment system must run the MSI installation in the context of the same user who is expected to log in to the console.

- SHOULDAUTOUPDATE=1 If you install for only the current user, you can choose to have the console automatically update each time the site is upgraded by entering a value of 1; a value of 0 (default) does not auto-update, and the console will need to be manually reinstalled when the site is upgraded. If you install the console for all users, it does not auto-update.
- /quiet or /q runs the installer without displaying any windows, spinners, error, or other visible alerts.

**Note:** If you use **ALLUSERS=1** with **SHOULDAUTOUPDATE=1**, the representative console should not be expected to autoupdate. If you use **SHOULDAUTOUPDATE=1** without **ALLUSERS=1**, the representative console should auto-update without requiring any credentials beyond those of the BeyondTrust user and the active Windows user. No admin credentials are necessary.

#### ) IMPORTANT!

When a representative console is installed via MSI, there is still some information that needs to be retrieved from the B Series Appliance. During the initial login, a token is provided to the representative console which is used to request software updates. If no user logs into the representative console before the B Series Appliance is upgraded, or if an MSI from a previous version is used to install the representative console, the console fails to update because it does not have the necessary token. If this occurs, the following error displays

"Error communicating with server while updating software. Please upgrade your software by downloading it from the web site. (1.1gws)"

For this reason, if representative consoles are mass deployed via MSI, please take the necessary steps to ensure users authenticate with their consoles at least once prior to any updates being installed on the BeyondTrust Appliance B Series.

- For more information, please see the following:
  - BeyondTrust Representative Console at <a href="https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/index.htm">https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/index.htm</a>
  - Mass Deploying BeyondTrust Software to Macs at <a href="https://www.beyondtrust.com/docs/remote-support/how-to/mass-deploy-mac/index.htm">https://www.beyondtrust.com/docs/remote-support/how-to/mass-deploy-mac/index.htm</a>

# **Change Your Password**

BeyondTrust recommends changing your password regularly.

#### Username, Current Password, New Password

Verify that you are logged into the account for which you want to change the password, and then enter your current password. Create and confirm a new password for your account. The password may be set to whatever you choose, as long as the string complies with the defined policy set on the **/login > Management > Security** page.

# **Change Your Email Settings**

#### **Email Address**

Set the email address to which email notifications are sent, such as password resets or extended availability mode alerts.

#### Password

Enter the password for your /login account, not your email password.

#### Preferred Email Language

If more than one language is enabled on this site, set the language in which to send emails.

# **Change Your Display Names**

#### **Private Display Name**

Your name as displayed in all internal communications between representatives, on chat transcript reports, team activity reports, and so forth.

#### **Public Display Name**

Your name as displayed to customers.

**Note:** By default, these two fields are in sync, so anything you type in the **Private Display Name** field is copied automatically to the **Public Display Name** field. To change your public display name, type in the name you want your customers to see. To put the fields back in sync, simply make them identical again.

# **Two Factor Authentication**

#### **Activate Two Factor Authentication**

Activate two-factor authentication (2FA) to increase the level of security for users accessing /login and the BeyondTrust representative console. Click **Activate Two Factor Authentication**, and then use an authenticator app of your choice, such as BeyondTrust Verify or Google Authenticator, to scan the QR code that displays on the page. Alternatively, you can manually enter the alphanumeric code displayed below the QR code into your authenticator app.

The app automatically registers the account and begins providing you with codes. Enter your password and the code generated by the app you selected, and then click **Activate**. Please note that each code is valid for 60 seconds, after which time a new code is generated. Once you log in, you have the option to switch to a different authenticator app or disable 2FA.



For more information on 2FA, please see <u>How to Use Two Factor Authentication with BeyondTrust Remote Support</u> at www.beyondtrust.com/docs/remote-support/how-to/2-factor-authentication/.

# **Extended Availability Mode**

#### Enable or Disable

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Enable or disable Extended Availability Mode by clicking the **Enable/Disable** button. Extended Availability Mode allows you to receive email invitations from other users requesting to share a session when you are not logged into the console.

For more information, please see <u>Use Extended Availability to Stay Accessible When Not Logged In</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/extended-availability.htm.

# **Change Your Photo**

Change or delete the photo that is associated with your account. This photo is displayed in the customer client chat window and in the /login administrative interface. The image used must be in .png or .jpeg format, no more than 1 MiB in size, and with a minimum 80x80 pixel size. Click **Choose File** to select an image. Once the selected file name is displayed, click **Upload** to use it, or **Cancel**, if you do not wish to keep the image you just selected. If the image selected has the correct dimensions, a message displays indicating the upload was successful.

For more information, please see <u>Customer Client: Support Session Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-support-interface.htm.

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# **Virtual Smart Card**

#### **Choose Windows Architecture**

Choose the operating system on which you wish to install this software. This dropdown defaults to the appropriate installer detected for your operating system.

If you need to use a local smart card on a remote system being supported, you must install the BeyondTrust Remote Support Virtual Smart Card driver on both the representative and customer systems. Download and distribute the appropriate Virtual Smart Card Representative (VSC Representative Installer) driver to all representatives within your support center who require remote smart card functionality. The driver can be installed manually or via a software deployment tool. Once the driver is installed, it creates a service: Remote Support VSC Representative Service.

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# Configuration

# Options: Manage Session Queuing Options, Record Sessions, Set Up Text Messaging

Configuration OPTIONS

# **Support Session Queuing Options**

#### **Require Closed Sessions on Logout or Quit**

If you check **Require Closed Sessions on Logout or Quit**, then users will be unable to log out of the console if they currently have any session tabs open.

#### Session Fallback Rules

There are five rules for when a representative's connection to a session is lost or terminated: (1) If the session is shared, it transfers to the representative who has been sharing the session the longest. If not shared, it transfers to (2) the last queue it was in, (3) the queue in which it entered, or (4) a designated fallback queue. This second set of rules can be turned on or off for normal sessions (attended), Jump sessions (unattended), or both. (5) Finally, if no representative is found, the session ends.

**Note:** If the session is in a persistent queue, the above logic does not apply. You can enable persistent queues from the **Configuration > Support Teams** page.

#### Enable Rules 2, 3, and 4 for Normal Sessions and/or Jump Sessions

Turn on the middle three fallback rules for customer-initiated sessions and/or unattended sessions.

For more information, please see <u>View Support Sessions in Queue</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/queues.htm.

# **Equilibrium Options**

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#### Show Session Information in All Alert Dialog Boxes

When a session is assigned, the representative receives an alert. If **Show Session Information in All Alert Dialogue Boxes** is checked, all session assignment alerts display the support request information.

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For more information, please see <u>Accept a Session to Start Support</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/accepting-a-session.htm.

# Support Session Logging Options

#### Enable Screen Sharing / Show My Screen Recording / Command Shell Recording

Choose if screen sharing sessions, Show My Screen sessions, and/or command shell sessions should be automatically recorded as videos.

# Screen Sharing / Show My Screen Recording Resolution / Command Shell Recording Resolution

Set the resolution at which to view session recording playback.

*Note:* All recordings are saved in raw format; the resolution size affects playback only.

#### Enable Automatic Logging of System Information

Choose if system information should be automatically pulled from the remote system at the beginning of the session to be available later in the session report details.

#### System Information Logging for Mobile Platforms

When supporting mobile platforms, choose **Standard** to pull a small set of data or **Extended** to pull all available information.

**Note:** These site-wide settings may be overridden by public site settings and customer preference, as configured on the **Public Portals > Customer Client** page.

# **Presentation Logging Options**

#### **Enable Screen Sharing Recording**

Choose if presentations should be automatically recorded as videos.

**Note:** When you start a presentation and are waiting for attendees to join, the recording will not begin until the first attendee has joined the presentation. If no one joins the presentation, a session recording will not be created.

#### **Screen Sharing Recording Resolution**

Set the resolution at which to view presentation recording playback.

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# **Peer to Peer Options**

#### Disabled

Disables Peer to Peer connections. To enable this feature, you must choose a server to negotiate the session. When screen sharing, file transfer, or remote shell is detected, the peer-to-peer connection is attempted. If successful, this creates a direct connection between the representative and the client systems, while still sending a second data stream to the B Series Appliance for auditing purposes. If for any reason a peer-to-peer connection cannot be established, the session traffic defaults to the B Series Appliance-meditated connection.

#### Use BeyondTrust Hosted Peer-to-Peer Server

This is the default setting. BeyondTrust clients attempt to reach a peer-to-peer connection through the server hosted by BeyondTrust. This requires that your BeyondTrust clients can make outbound UDP 3478 connection requests to stun.bomgar.com. This setting should work in most situations.

#### Use B Series Appliance as Peer-to-Peer Server

If your organization requires specific security settings for traffic, you can use the B Series Appliance as a peer-to-peer server. This requires that your B Series Appliance be able to accept inbound UDP 3478 connection requests by your BeyondTrust clients. You must ensure that any firewalls on the route between the clients and the B Series Appliance allow UDP 3478 to pass.

For more information, please see <u>Appliance Administration</u>: Restrict Accounts, Networks, and Ports, Set Up Syslog, Enable Login Agreement, Reset Admin Account at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u>started/deployment/web/security-appliance-administration.htm.

# **Invitation Email Options**

#### Enable client-side emails for support and presentation invitations

When enabled, representatives can send support and presentation invitation emails from a local email client, such as Outlook. These emails are sent using the representative's email account. The representative can view and modify the email, if desired.

#### Enable server-side emails for support invitations

If enabled, representatives can send support invitation emails from the B Series Appliance rather than their local email client. A dialog prompts the representative to specify the email recipient. The representative cannot preview or modify the subject or body of the email. The email address from which server-side emails are sent can be customized per portal from the **Public Portals > Customer Client** page, or the address specified on the **Management > Email Configuration** page can be used.

For more information see Generate a Session Key to Start a Support Session at <a href="https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/session-keys.htm">https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/session-keys.htm</a>.

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#### **SMS Gateway**

#### SMS Gateway URL

Enter a secure SMS gateway URL from your ISP or third-party gateway provider to give representatives the option to send support access keys via SMS text messages. Send support messages via SMS to a mobile device from within the representative console. SMS messages sent in this manner to other mobile devices will still receive a session link. The SMS communication is not logged in the B Series Appliance.

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# **Issues: Manage Support Issues**

🔁 Configuration

ISSUES

# Support Issues

Create support issues to streamline your customers' experience when requesting support on the public portal. Issues created may be configured to appear on the dropdown menu of the issue submission form and comprise a list of the support problems most likely to be experienced by your customers.

Since support issues need to be routed to support teams, you need to create teams before you create support issues.

For more information, please see <u>Configure Team Settings</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-to/equilibrium/configure-team-settings.htm</u>.

For more information, please see <u>Assign Skills to Issues</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-</u> to/equilibrium/assign-skills-issue.htm.

#### Add New Support Issue, Edit, Delete

Create a new issue, modify an existing issue, or remove an existing issue.

# Add or Edit a Support Issue

#### Description

Add a brief description of an issue you expect to see as a support ticket. If the issue submission form is enabled, this description is visible to customers and is used to help representatives quickly determine what type of problem the customer is experiencing. The description may also be visible to representatives requesting help from within a support session.

#### Code Name

Set a code name for integration purposes. If you do not set a code name, one is created automatically.

#### **Route To**

Use the Route To dropdown menu to have this issue routed to a specific team.

#### Priority

Set the issue's priority to **High**, **Medium**, or **Low**, depending on how you want the issue to be handled by the system. The default is **Medium**.

#### Allow representatives to request help for this support issue

Next, check the box if you want to allow representatives to request help for this support issue while in a session. If checked, the issue is listed in the **Request Help** flyout window of the representative console when the **Session Sharing** option is selected.

#### **Needed Skills**

Issues can be associated with the skills needed to best resolve them. Skills can be **More Preferred**, **Less Preferred**, or **Ignored**, depending on the level of knowledge required to resolve a given issue. This will determine how support requests are routed and handled by the system.

# Support Teams: Group Representatives into Teams

E Configuration

SUPPORT TEAMS

# Manage Support Teams

Grouping support representatives into teams aids efficiency by assigning leadership within groups of representatives as well as by helping to direct customers to the representative best suited to solve a given problem. In the representative console, each team appears as a separate queue for waiting support sessions.

#### Add New Team, Edit, Delete

Create a new team, modify an existing team, or remove an existing team. Deleting a team does not delete those user accounts, only the team with which they are associated.

# Add or Edit Support Team

#### **Team Name**

Create a unique name to help identify this team.

#### **Code Name**

Set a code name for integration purposes. If you do not set a code name, one is created automatically.

#### Comments

Add comments to help identify the purpose of this team.

#### Persistent Queue

If this option is checked, support sessions remain in this queue even if no representatives are available. A session in this queue remains in the queue indefinitely until a representative or API operation handles the session. This option provides additional flexibility for custom session routing management.

# **Group Policies**

Note any group policies which assign members to this team. Click the link to go to the **Group Policies** page to verify or assign policy members.

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# **Portal Access**

Representatives can only access portals where their team has been granted access. Portal access options allow members of a team to access all portals or selected portals.

#### Allow members of this team to access all portals

Check the box to allow members of the selected team access to all portals.

#### Allow members of this team to access the following portals

This option only appears if the option above is not checked. Check the box for each portal that members of the selected team can access. Members of a team should always have access to the default portal. Unchecked portals do not appear on the list of portal options when the representative generates a session key.

# **Team Members**

Search for users to add to this team. You can set each member's role as a **Team Member**, **Team Lead**, or **Team Manager**. These roles play a significant part in the **Dashboard** feature of the representative console.

In the table below, view existing team members. You can filter the view by entering a string in the **Filter by name** text box. You can also edit a member's settings or delete a member from the team.

To add a group of users to a team, go to Users & Security > Group Policies and assign that group to one or more teams in a given role.

**Note:** You may see some users whose **Edit** and **Delete** options are disabled. This occurs when a user is added via group policy.

You can click the group policy link to modify the policy as a whole. Any changes made to the group policy apply to all members of that policy.

You also can add the individual to the team, overriding their settings as defined elsewhere.

# **Equilibrium Settings**

Manage automatic session routing for this team using equilibrium.

#### **Routing Algorithm**

If this is set to **Least Busy**, a session in this queue is assigned to the least busy representative who is available to take sessions from this queue. If it is set to **Skills Match**, **Least Busy**, then if a session has needed skills marked and is in this queue, that session is assigned to the representative with the best skills match who is available to take sessions from this queue.

#### Alert Timeout

A representative has as long as is set here to either accept or reject an assigned session. If the representative rejects the session or fails to respond before the timeout, the session will be reassigned to the next best matched representative who is available to take sessions from this queue.

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#### Waiting Session Rule

You also can create a **Waiting Session Rule**. If enabled, set how long a session is allowed to remain in this queue. Then choose the action to take if the session waits for longer than the set time. You can either transfer the session to an overflow queue, or you can mark the session as overdue. A session that becomes overdue plays an audio alert, flash in the queue, causes the queue itself to flash, and displays a pop-up notification. These notifications can be modified in the representative console settings.

For more information, please see <u>Equilibrium for Automatic Session Routing guide</u> at https://www.beyondtrust.com/docs/remote-support/how-to/equilibrium/index.htm.

# **Dashboard Settings**

Within a team, a user can administrate only others with roles lower than their own.

**Note:** Roles apply strictly on a team-by-team basis, so a user may be able to administrate another user in one team, but not be able to administer that same user in another team.

#### Monitoring Team Members from Dashboard

If enabled, a team lead or manager can monitor team members from the dashboard. Choose a selection to **Disable** the ability to monitor, restrict monitoring to **Only Representative Console**, or allow a team lead or manager to monitor a team member's **Entire Screen**. Monitoring affects team leads and managers for all teams on the site.

#### **Enable Monitor Indicator**

If this option is checked, a team member whose screen is being monitored sees a monitoring icon on their screen.

#### Enable Session Transfer and Take Over in Dashboard

If this option is checked, a team lead can take over or transfer a team member's sessions. Similarly, a team manager can administrate both team members and team leads. The team lead must have start session access to the Jump Item that was used to create the session, unless the option below is also checked.

# Allow Team Managers/Leads to use "Transfer", "Take Over" and "Join Session" for sessions that are started from Jump Items to which they do not have "Start Session" access

If this option is checked, a team lead can join or take over a team member's sessions, even if the team lead does not have start session access to the Jump Item that was used to create the session.

For more information, please see <u>Monitor Team Members in the Dashboard</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/dashboard.htm.

# **Team Chat History**

#### **Enable Replay of Team Chat History**

If this option is checked, chat messages to everyone in the **Team Chat** area of the representative console persist between representative console logins.

This prevents loss of chat history if the connection is lost. This does not affect chat within a session, or private chats.

#### Hours of Team Chat History to Replay

By default, 8 hours of history is retained. This can be changed from a minimum of 1 to a maximum of 24, using the + and - icons or entering the desired value. The time is set in one hour increments. Click **Save** after changing the time.

Note: A maximum of 1000 chat messages is replayed. This limit applies regardless of the number of hours selected.

# **Rep Status**

Configure up to 10 status codes to allow representatives to indicate their status when they opt out of automatic session assignment. When representatives change their status, the new status displays in the representative console dashboard for all team managers. Representative status changes are also logged in the Team Activity Report.

# Add New Rep Status Code, Edit, Delete

Create a new rep status code, modify, or remove an existing rep status code. There are 3 predefined status codes: **Available**, **Away**, and **Busy**. The **Available** status code may not be modified or deleted. The **Away** and **Busy** status codes may be modified but not deleted.

#### **Display Name**

Create a unique name to help identify this rep status code.

#### **Code Name**

Set a code name for integration purposes. If you do not set a code name, one is created automatically.

#### **Display As**

Select the **Away** or **Busy** option. This is what team members see for each representative's status in the **Dashboard** feature in the representative console when the representive is using this status code.

# **Auto Status Options**

Select default statuses to display in the representative console dashboard when a representative is idle or busy and they have not manually changed their status.

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#### **Rep Idle Status**

Specify a status to automatically set when the representative is idle.

#### **Rep Busy Status**

Specify a status to automatically set when the representative is busy.

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# **Skills: Route Issues to Representatives**

🔁 Configuration

SKILLS

# Skills

Skills are the areas of expertise covered by your representatives. As an administrator, you need to create a list of these skills, which are ranked in broad categories according to their importance. These root skills can be assigned a number of sub-skills. For instance, the root skill for "Antivirus" can contain a list of common antivirus programs, each a particular sub-skill necessary to properly address a customer support issue dealing with antivirus-related problems.

Representatives associated with a given skill are listed on the right. If no representative is associated with a skill, go to Users & Security > Users, select a user to edit, and click on the Availability Settings to configure skills.

**Note:** In order to be able to create and edit skills, this permission has to be set per user. Go to **Users & Security > Users**, scroll down to the **Permissions** section, and make sure **Allowed to Edit Skills** permission is checked. Administrators are automatically granted this permission.

To create or edit skills, go to **Configuration > Skills**.

#### New Root Skill

To begin, create a list of root skills as general categories.

#### New Skill

Add skills under the root skills.

#### Edit, Delete

Modify an exiting object or remove an existing object.

#### Change Ranking

If you need to change a root skill's rank, click on Change Ranking. You will now be able to drag and drop skills into their new positions.

#### Skills

Root skills and their sub-categories display in the Skills tree. You can use the orange arrows to expand or collapse each section.

Root skills are ranked sequentially from more critical to less critical. When Equilibrium is enabled, the system will try first to match all the root skills, but if that is not possible, it will begin to peel away lower ranking skills first, one at a time, until a match is found.

## **Display Name**

Create a unique name to help identify this skill.

#### Code Name

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Set a code name for integration purposes. If you do not set a code name, one is created automatically.

For more information, please see <u>Configure Skills to Route Issues to Representatives</u> at https://www.beyondtrust.com/docs/remote-support/how-to/equilibrium/configure-skills.htm.

# **Import User Skills**

Once created, skills can be assigned to representatives from the Users & Security > Users page.

When dealing with a larger number of representatives and/or skill sets, it may be easier to assign skills to representatives using bulk import. Use **Choose File** to upload a CSV file with the usernames and associated skills. The CSV file should use the following format:

"username1", "skill\_code\_name"
"username1", "skill\_code\_name2"
"username2", "skill\_code\_name"

Please note that the skills listed for a given representative on the import file will override any skills already associated with that user. If you need to remove all associated skills with a particular user, leave the skill code name empty ("username3", "").

For more information, please see <u>Configure Skills to Route Issues to Representatives</u> at https://www.beyondtrust.com/docs/remote-support/how-to/equilibrium/configure-skills.htm.

For more information, please see <u>Assign Skills to Representatives</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-to/equilibrium/assign-skills-rep.htm</u>.

For more information, please see <u>Skills Routing Algorithms</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-</u> to/equilibrium/skills-routing-algorithms.htm.

# Access Sponsors: Create Groups of Privileged Users

🔁 Configuration

ACCESS SPONSORS

# **Access Sponsor Groups**

Create access sponsor groups to enable a representative with restricted permissions to request a more highly privileged representative to perform certain actions on their behalf, such as elevating a customer client to administrative rights or entering credentials for a remote system.

## Add New Access Sponsor Group, Edit, Delete

Create a new group, modify an existing group, or remove an existing group.

# Add or Edit Access Sponsor Groups

#### Name

Create a unique name to help identify this group. This name should help representatives determine the correct access sponsor group from which to request assistance.

#### Description

Add a brief description to summarize the purpose of this group.

# **Group Members**

Add lower-privileged representatives as Requestors to this group, and add higher-privileged representatives as Sponsors.

For more information, please see <u>Accept an Access Request to Offer Elevation Help</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/access-requests.htm.

# Support Buttons: Deploy Support Buttons for Quick Session Start

E Configuration

SUPPORT BUTTONS

# Support Button Mass Deployment Wizard

Deploying a Support Button on your customer's computer installs a customer client on their machine, providing a quick, seamless method of starting support sessions. The Support Button does NOT maintain a connection to the B Series Appliance, but rather provides a customer-initiated method of requesting support. Depending on the configuration of the Support Button and the support site, clicking the Support Button will connect the customer to a previously defined representative or team, allow the customer to enter a session key, or allow the customer to submit an issue submission form. Support Buttons can be installed on Windows, Mac, and Linux computers.

For more information, please see <u>Manage Support Buttons</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u> started/rep-console/support-button-management-interface.htm.

For more information, please see <u>Support Button: Quickly Request Support</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/support-button.htm.

#### Description

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Create a unique name to help identify this Support Button. This name is helpful when managing deployed Support Buttons.

#### **Public Portal**

Select the public portal through which this item should connect for a support session. If a session policy is assigned to this public portal, that policy may affect the permissions allowed in sessions started through this item.

#### Language

If more than one language is enabled on this site, set the language this Support Button should use. Support Buttons do not detect the local language when they are run; they only use the default language assigned during deployment.

#### Team

Specify whether starting a session from this Support Button should place the customer in your personal queue or a team queue.

## **Deployed Support Buttons Are Valid For**

Set the lifespan of the button. The customer can use this button to start sessions for only as long as specified here. If the customer clicks this button after it has expired, an invalid session key message will display, and the browser will refresh to your support portal. This time does NOT affect how long the installer remains active or how long a session can last.

### **Install Mode**

Choose whether to install the Support Button for a single user or for all users on the remote system. Deploying a Support Button for all users is available only for Windows platforms. Also, if you make any changes to a Support Button profile, a single-user Support Button will automatically incorporate those changes the next time it connects, while an all-user Support Button will have to be redeployed in order to receive those changes. For the best experience, redeploy all-user Support Buttons each time you upgrade your BeyondTrust software. Note that all-user Support Buttons may not be removed from within the representative console; they must be uninstalled directly from the target computer.

## Profile

Select a profile to use form the dropdown menu.

## Create

Click to create the Support Button.

#### Download Now

#### Platform

Choose the operating system on which you wish to install this software. This dropdown defaults to the appropriate installer detected for your operating system.

For system administrators who need to push out the Support Button installer to a large number of systems, the MSI option can be used with your systems management tool of choice. In your command prompt, when composing the command to install the Support Button using an MSI, change to the directory where the MSI was downloaded and enter the command included on the **Support Button** page.

Note: Unlike the representative console, Support Buttons installed from an MSI do auto-update.

When installing a Support Button executable on remote Windows machines, you can specify a custom install directory path where you want the Support Button to install. If the install directory you specify does not exist, it will be created, assuming the installation has sufficient permissions on the local system. You can specify the install directory using either the MSI installation package or the EXE installation package. This requires BeyondTrust 15.1.3 or higher. Installation to custom paths is not supported on Mac or Linux systems.

The syntax for the EXE installation is:

bomgar-scc-w07dc30w8ff8h51116g785zgh151hdfe8y6z7jgc408c90 --cb-install-dir "C:\Support Button"

where bomgar-scc-w07dc30w8ff8h51116g785zgh151hdfe8y6z7jgc408c90 is the filename of your executable install client and "C:\Support Button" is the path you wish the installation to use.

#### The syntax for the MSI installation is

```
msiexec /i bomgar-scc-win64.msi KEY_INFO=w0hdc301hd18wxj8xjfd8z6jzyefz7wzd1gwwd6c408c90
INSTALLDIR="C:\Support Button"
```

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where bomgar-scc-win64.msi is the name of your MSI installation package,

w0hdc301hd18wxj8xjfd8z6jzyefz7wzd1gwwd6c408c90 is the key of your installation package, and "C:\Support Button" is the path you wish the installation to use.

To install a Support Button without displaying any windows, spinners, errors, or other visible alerts, append --silent to the end of the EXE command or /quiet to the end of the MSI command.

#### Download

You can download the installer immediately if you plan to distribute it using a systems management tool or if you are at the computer to which you need later access.

**Note:** Because some browsers require that the installer be saved before it can be run, there may be some confusion about when the Support Button is fully installed. The downloaded **bomgar-scc-{uid}.exe** file is not the button itself but rather the installer for the button. This executable file must be run to complete the installation.

## **Deploy to Email Recipients**

#### Email

You can also email the installer to one or more remote users. Multiple recipients can install the client from the same link. Click on the **Direct Download Link** to copy the link.

# **Support Button Profiles - Add**

Create a new profile, modify an existing profile, or remove an existing profile. You can edit but not delete the default Support Button profile.

#### Name

Create a unique name to help identify this profile. This name should help a representative decide which profile to assign to a Support Button.

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Upload the file containing the customized button icon. The file must be a PNG file, no larger than 150KB and with a minimum height and width of 128 pixels. The height and width must be equal.

#### Title

The title is used as the title of the desktop icon.

#### **Short Title**

The short title is used when the customer's operating system limits the title length.

## **Deployment Locations**

Select where the Support Button should be deployed, whether to the desktop or the menu. The menu option is only supported on Windows, Mac, and Linux systems.

#### Allow direct access to queue

Select if the customer can use the Support Button to connect directly to a specified queue (the queue is specified by the **Team** dropdown in the Support Button Mass Deployment Wizard).

# **Embedded Support Button Registry File Generator**

Use the **Embedded Support Button Registry File Generator** to create registry files which will embed the Support Button into the title bar of an application. An embedded Support Button gives support providers the ability to streamline the support path for specific applications. For example, if your support team frequently handles issues with Microsoft Outlook, you can embed a Support Button within Outlook. You can configure this embedded Support Button to point to a specific issue so that when a customer clicks the button, a session will immediately start with the team best suited to handle Outlook problems. Embedded Support Buttons are a Windows-only feature.

To create an embedded Support Button, a Support Button must first be deployed on the remote system. You may wish to define the Support Button profile so that neither the desktop shortcut nor the menu shortcut is created.

#### **Install Mode**

Select whether to install for all users on a system or a single user.

#### **Executable Name**

Enter the name of the program in which you want to embed a Support Button. Do not include the file path.

#### Issue

Optionally, select an issue that will be associated with sessions started from this embedded Support Button. You can alternatively select **No Issue Assigned**.

#### Show Front-End Survey

Checking **Show Front End Survey** prompts the customer to describe their issue before starting a session. If this option is unchecked, the session will start immediately, without any further customer input.

#### **External Key**

You can add an external key to assign to sessions started from this embedded Support Button.

#### Delete

Remove an existing application from this registry file.

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#### Add New Row

To add multiple applications to one registry file, click Add New Row and enter the information for another application.

#### Import a Registry File

To edit an embedded Support Button's functionality, you can import the registry file and modify its entries. When complete, click **Create Registry File**. Running the registry file will overwrite the existing registry entries.

## **Create Registry File**

When you have finished adding executables in which you want to embed Support Buttons, click **Create Registry File**. This prompts you to save a registry file to your system. Using Active Directory or a deployment tool, deploy the registry file to all remote systems which should use these embedded Support Buttons. After running the registry file, the remote user will have to log off and back on for the Support Button registry entry to be created.

**Note:** It is a best practice to save a copy of any generated registry files. Registry file information is not saved on the BeyondTrust Appliance B Series.

Now, when one of the designated applications is run, a Support Button will appear in the top right corner, beside the minimize button. Clicking this embedded Support Button will start a session as defined by its profile and its registry file settings.

**Note:** Running a Support Button registry file on a system that already has Support Button registry entries will overwrite the original registry entries. Therefore, if you have embedded a Support Button in one application and you wish to embed it in another, the new registry file must contain both executable names. If the new registry file contains only the new executable name, then the embedded Support Button will appear only in the new application and not in the previous application.

To remove an embedded Support Button from a specific application without adding it to another application, you must edit the registry. Using Notepad or a similar editor, open the registry file you initially deployed and insert a hyphen in front of each registry key you wish to delete. Save the registry file and redeploy it to remove the registry entry. An example of a registry entry marked for deletion is presented below.

[-HKEY\_LOCAL\_MACHINE\Software\Test]

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For more information about registry entries, please see <a href="https://support.microsoft.com/kb/310516">https://support.microsoft.com/kb/310516</a>.

**Note:** Uninstalling the Support Button will remove it from all embedded programs but will not delete the registry entries. Thus, if another Support Button is installed for the same site, it will inherit the previous registry entries and will appear embedded in the same programs.

For more information, please see <u>Manage Support Buttons</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u> started/rep-console/support-button-management-interface.htm.

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# Custom Fields: Create and Modify Fields for Public Portal Issue Submissions

E Configuration
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# **Custom Fields**

You can configure up to 30 custom fields. Custom field values can be created and configured for individual support sessions using the public portal issue submission configuration, as well as certain API operations. They are visible in the BeyondTrust representative console.

#### **Create New Field, Edit, Delete**

Create, modify, or delete a custom field. Deleted custom fields no longer display in the representative console or the session reports.

# Add or Edit a Custom Field

#### **Display Name**

Create a unique name to help identify this field.

#### Code Name

Set a code name for integration purposes. If you do not set a code name, one is created automatically.

### Show in Representative Console

Check this box if you want this field to display in the representative console.

**Note:** To select issues to display in the public portal, as well as the order in which they should appear, go to **Public Portals > Use Issue Submission Survey**. Add or edit a public site and select **Use Issue Submission Survey**. Choose available fields to display.

# Configuration

# MS Teams: Enable and Customize the Microsoft Teams Integration



# **Microsoft Teams Integration**

When enabled, this feature allows you to extend your support capabilities within Microsoft Teams. MS Teams can support multiple Remote Support teams and use the integration, differently if desired, for all the different portal sites. Administrators can prepare custom greetings and deploy customizable BeyondTrust Remote Support bots for their organization that enables their users to chat with support representatives and accept session invitation links in the Microsoft Teams chat.

Follow the on-screen instructions to setup the integration.

Note: You must check Enable the Microsoft Teams Integration to view the instructions.

## Select a Portal

If you have multiple public portals, select the portal for the integration from the **Select a public site to edit** dropdown. To set up Teams integration for multiple portals, repeat the process below for each portal.

## **Enable the Microsoft Teams Integration**

Check this option to enable the MS Teams integration, and display the **Configuration Instructions** and configuration options.

## **Basic Configuration**

Follow the on-screen instructions, Step 1, items 1 through 7, to deploy a custom bot for your Azure tenant, and obtain the information to complete the **Basic Configuration** fields. This requires working in your Azure portal.

## **Bot Configuration**

Follow the on-screen instructions, Step 1, item 8, to set up the Bot profile.

## Deploy the Bot to the Microsoft Teams Tenant

As per the on-screen instructions, Step 2, items 1 through 4, once the configuration is complete, click **Download Teams Manifest Package** and upload the file to the Microsoft Teams admin center.

# Jump

<u> </u> Jump

# Jump Clients: Manage Settings and Install Jump Clients for Unattended Access

JUMP CLIENTS

# **Jump Client Mass Deployment Wizard**

The Mass Deployment Wizard enables administrators and privileged users to deploy Jump Clients to one or more remote computers for later unattended access.

For more information, please see <u>Remote Support Jump Client Guide: Unattended Access to Systems in Any Network</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-to/jump-clients/index.htm</u>.

## Jump Group

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From the **Jump Group** dropdown, select whether to pin the Jump Client to your personal list of Jump Items or to a Jump Group shared by other users. Pinning to your personal list of Jump Items means that only you (and higher ranking roles on your team, such as Team Lead and Team Manager if you are a Team Member, and Team Manager if you are a Team Lead) can access this remote computer through this Jump Client. Pinning to a shared Jump Group makes this Jump Client available to all members of that Jump Group.

## **Allow Override During Installation**

Some Mass Deployment Wizard settings allow override, enabling you to use the command line to set parameters that are specific to your deployment, prior to installation.

## This Installer Is Valid For

The installer remains usable only as long as specified by the **This Installer is Valid For** dropdown. Be sure to leave adequate time for installation. If someone should attempt to run the Jump Client installer after this time, installation fails, and a new Jump Client installer must be created. Additionally, if the installer is run within the allotted time but the Jump Client is unable to connect to the B Series Appliance within that time, the Jump Client uninstalls, and a new installer must be deployed. The validity time can be set for anywhere from 10 minutes to 1 year. This time does NOT affect how long the Jump Client remains active.

Once a Jump Client has been installed, it remains online and active until it is uninstalled from the local system either by a logged-in user, by a representative from the representative console's Jump interface, or by an uninstall script. A representative cannot remove a Jump Client unless the representative is given appropriate permissions by their admin from the /login interface.

## Public Portal

Select the public portal through which this item should connect for a support session. If a session policy is assigned to this public portal, that policy may affect the permissions allowed in sessions started through this item.

#### Name

Enter a Name for the Jump Item. This name identifies the item in the session tabs. This string has a maximum of 128 characters.

#### Comments

Add **Comments**, which can be helpful in searching for and identifying remote computers. Note that all Jump Clients deployed via this installer have the same comments set initially, unless you check **Allow Override During Installation** and use the available parameters to modify the installer for individual installations.

#### Tag

Adding a Tag helps to organize your Jump Clients into categories within the representative console.

## **Jump Policy**

You can apply a **Jump Policy** to this Jump Client. Jump Policies are configured on the **Jump Policies** page and determine the times during which a user can access this Jump Client. If no Jump Policy is applied, this Jump Client can be accessed at any time.

#### **Customer Present Session Policy and Customer Not Present Session Policy**

Choose session policies to assign to this Jump Client. Session policies assigned to this Jump Client have the highest priority when setting session permissions. The **Customer Present Session Policy** applies when the end user is determined to be present. Otherwise, the **Customer Not Present Session Policy** applies. The way customer presence is determined is set by the **Use screen state to detect Customer Presence** Jump Client setting. Customer presence is detected when the Jump Client session starts. The session policy used for the session does not change throughout the session, regardless of any changes in the customer's presence while the session is in progress.

#### **Jumpoint Proxy**

If you have one or more Jumpoints set up as proxies, you can select a Jumpoint to proxy these Jump Client connections. As a result, if these Jump Clients are installed on computers without native Internet connections, they can use the Jumpoint to communicate with your B Series Appliance. The Jump Clients must be installed on the same network as the Jumpoint selected to proxy the connections.

## Attempt an Elevated Install if the Client Supports It

If **Attempt an Elevated Install if the Client Supports It** is selected, the installer attempts to run with administrative rights, installing the Jump Client as a system service. If the elevated installation attempt is unsuccessful, or if this option is deselected, the installer runs with user rights, installing the Jump Client as an application. This option applies only to Windows and Mac operating systems.

**Note:** A Jump Client pinned in user mode is available only when that user is logged in. In contrast, a Jump Client pinned in service mode, with elevated rights, allows that system to always be available, regardless of which user is logged in.

## **Prompt for Elevation Credentials if Needed**

If **Prompt for Elevation Credentials if Needed** is selected, the installer prompts the user to enter administrative credentials if the system requires that these credentials be independently provided; otherwise, it installs the Jump Client with user rights. This applies only if an

elevated install is being attempted.

#### Start Customer Client Minimized When Session Is Started

By selecting **Start Customer Client Minimized When Session Is Started**, the customer client does not take focus and remains minimized in the taskbar or dock when a session is started through one of these Jump Clients.

#### **Password/Confirm Password**

You can also set a **Password** for these Jump Clients. If a password is set, this password must be provided to modify or use any one of these Jump Clients.

#### **Mass Deploy Help**

For system administrators who need to push out the Jump Client installer to a large number of systems, the Windows, Mac, or Linux executable or the Windows MSI can be used with your systems management tool of choice. You can include a valid custom install directory path where you want the Jump Client to install.

You can also override certain installation parameters specific to your needs. These parameters can be specified for both the MSI and the EXE using a systems administration tool or the command line interface. When you mark specific installation options for override during installation, you can use the following optional parameters to modify the Jump Client installer for individual installations. Note that if a parameter is passed on the command line but not marked for override in the /login administrative interface, the installation fails. If the installation fails, view the operating system event log for installation errors.

**Note:** It is common to receive an error message during the install, regarding a layout or appearance issue. This can be disregarded.

Command Line Parameter	Value	Description
install-dir	<directory_path></directory_path>	Specifies a new writable directory under which to install the Jump Client. This is supported only on Windows and Linux. When defining a custom install directory, ensure that the directory you are creating does not already exist and is in a location that can be written to.
jc-name	<name></name>	If override is allowed, this command line parameter sets the Jump Client's name.
jc-jump-group	user: <username> jumpgroup:<jumpgroup-code- name&gt;</jumpgroup-code- </username>	If override is allowed, this command line parameter overrides the Jump Group specified in the Mass Deployment Wizard.
jc-public-site-address	<public-site-address- hostname&gt;</public-site-address- 	If override is allowed, this command line parameter associates the Jump Client with the public portal which has the given hostname as a site address. If no public portal has the given hostname as a site address, then the Jump Client reverts to using the default public site.

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jc-session-policy-present	<session-policy-code-name></session-policy-code-name>	If override is allowed, this command line parameter sets the Jump Client's session policy that controls the permission policy during a support session if the customer is present at the console.
jc-session-policy-not-present	<session-policy-code-name></session-policy-code-name>	If override is allowed, this command line parameter sets the Jump Client's session policy that controls the permission policy during a support session if the customer is not present at the console.
jc-jump-policy	<jump-policy-code-name></jump-policy-code-name>	If override is allowed, this command line parameter sets the Jump Policy that controls how users are allowed to Jump to the Jump Client.
jc-tag	<tag-name></tag-name>	If override is allowed, this command line parameter sets the Jump Client's tag.
jc-comments	<comments></comments>	If override is allowed, this command line parameter sets the Jump Client's comments.
silent		If included, the installer shows no windows, spinners, errors, or other visible alerts.

**Note:** When deploying an MSI installer on Windows using an msiexec command, the above parameters can be specified by: 1. Removing leading dashes (--)

- 2. Converting remaining dashes to underscores (\_)
- 3. Assigning a value using an equal sign (=)

#### MSI Example:

msiexec /i bomgar-scc-win32.msi KEY\_INFO=w0dc3056g7ff8d1j68ee6wi6dhwzfefggyezh7c40jc90
jc\_jump\_group=jumpgroup:server\_support jc\_tag=servers

When deploying an EXE installer, the above parameters can be specified by:

- Adding dashes
- Add a space between the parameter and the value instead of an equal sign

#### EXE Example:

bomgar-scc-[unique id].exe --jc-jump-group jumpgroup:servers --jc-tag servers

#### Other rules to consider:

- installdir has a dash in the EXE version but no dashes in the MSI version.
- /quiet is used for the MSI version in place of --silent in the EXE version.

For more information, please see <u>Mass Deploying BeyondTrust Software to Macs</u> at https://www.beyondtrust.com/docs/remote-support/how-to/mass-deploy-mac/index.htm.

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#### **Download or Install the Client Now**

#### Platform

Choose the operating system on which you wish to install this software. This dropdown defaults to the appropriate installer detected for your operating system.



**Note:** To install a Jump Client in service mode on a Linux system, the Jump Client installer must be run by root, but the Jump Client service should not be run under the root user context. A service mode Jump Client allows the user to start a session even if no remote user is logged on, as well as to log off the current remote user and log on with different credentials. A Linux Jump Client installed in user mode cannot be elevated within a session.

Use the following syntax to add executable permissions to the file, wherein **{uid}** is a unique identifier consisting of letter and numbers: 1. Add executable permissions to the file:

sudo chmod +x ./Downloads/bomgar-scc-[uid].desktop

2. Run the installer as the root user using the sudo command:

sudo sh ./Downloads/bomgar-scc-[uid].desktop

#### **Download/Install**

You can download the installer immediately if you plan to distribute it using a systems management tool or if you are at the computer to which you need later access.

**Note:** Once the installer has run, the Jump Client attempts to connect to the B Series Appliance. When it succeeds, the Jump Client appears in the Jump interface of the representative console. If the Jump Client cannot immediately reach the B Series Appliance, then it continues to reattempt connection until it succeeds. If it cannot connect within the time designated by **This Installer Is Valid For**, then the Jump Client uninstalls from the remote system and must be redeployed.

#### **Deploy to Email Recipients**

#### Email

You can also email the installer to one or more remote users. Multiple recipients can install the client from the same link. Click on the **Direct Download Link** to copy the link.

For more information on the Mass Deployment Wizard, please see <u>Deploy Jump Clients During a Support Session or Prior to</u> <u>Support at https://www.beyondtrust.com/docs/remote-support/how-to/jump-clients/deploying.htm</u>.

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# **Jump Client Statistics**

An administrator can choose which statistics to view for all Jump Clients on a site-wide basis. These statistics are displayed in the representative console and include CPU, console user, disk usage, a thumbnail of the remote screen, and uptime.

#### Active Jump Client Statistics Update Interval

The Active Jump Client Statistics Update Interval determines how often these statistics are updated. Managing which statistics are viewed and how often can help to regulate the amount of bandwidth used. The more active Jump Clients you have deployed, the fewer the statistics and the longer the interval may need to be.

# Upgrade

#### Maximum bandwidth of concurrent Jump Client upgrades

You may further regulate the bandwidth used during upgrades by setting **Maximum bandwidth of concurrent Jump Client upgrades**. The maximum upgrade bandwidth is 100MiB/s.

Note: This setting does not affect representative console upgrades or Support Button deployments.

#### Maximum number of concurrent Jump Client upgrades

Set the maximum number of Jump Clients to upgrade at the same time. Note that if you have a large number of Jump Clients deployed, you may need to limit this number to regulate the amount of bandwidth consumed. The maximum number allowed is 500.

Note: This setting does not affect representative console upgrades or Support Button deployments.

# Maintenance

#### Number of days before Jump Clients that have not connected are automatically deleted

If a Jump Client goes offline and does not reconnect to the B Series Appliance for the number of days specified by the **Number of days before Jump Clients that have not connected are automatically deleted** setting, it is automatically uninstalled from the target computer and is removed from the Jump interface of the representative console.

**Note:** This setting is shared with the Jump Client during normal operation so that even if it cannot communicate with the site, it uninstalls itself at the configured time. If this setting is changed after the Jump Client loses connection with the B Series Appliance, it uninstalls itself at the previously configured time.

Note: The setting must be configured for 15 days or more.

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#### Number of days before Jump Clients that have not connected are considered lost

If a Jump Client goes offline and does not reconnect to the B Series Appliance for the number of days specified by the **Number of days before Jump Clients that have not connected are considered lost** setting, it is labeled as lost in the representative console. No specific action is taken on the Jump Client at this time. It is labeled as lost only for identification purposes, so that an administrator can diagnose the reason for the lost connection and take action to correct the situation.



**Note:** To allow you to identify lost Jump Clients before they are automatically deleted, set this field to a smaller number than the deletion field above.

Note: The setting must be configured for 15 days or more.

*Tip:* You can set Jump Clients to allow or disallow simultaneous Jumps from the **Jump > Jump Items > Jump Settings** section. If allowed, multiple users can gain access to the same Jump Client without an invitation to join an active session by another user. If disallowed, only one user can Jump to a Jump Client at a time. Only an invitation by the user who originated the session can allow for a second user to access the session.

For more information, please see <u>Configure Jump Client Settings</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-</u> to/jump-clients/settings.htm.

#### **Uninstalled Jump Client Behavior**

**Uninstalled Jump Client Behavior** determines how a Jump Client deleted by an end user is handled by the representative console. Depending on the option made in the dropdown, the deleted item can either be marked as uninstalled and kept in the list or actually be removed from the list of Jump Items in the representative console. If the Jump Client cannot contact the B Series Appliance at the time it is uninstalled, the affected item remains in its offline state.

#### **Restrict Local Uninstall/Disable of Jump Clients**

**Restrict Local Uninstall/Disable of Jump Clients** limits the remote user's ability to uninstall or disable Jump Clients from the right-click context menu, reducing the need to reinstall Jump Clients that should not have been uninstalled. If this option is enabled, only users with appropriate privileges on the target machine may uninstall the Jump Client via the host system's *uninstall programs* mechanism.

## **Miscellaneous**

## Allow Representatives to attempt to wake up Jump Clients

Allow Representatives to attempt to wake up Jump Clients provides a way to wake up a selected Jump Client by broadcasting Wake-on-LAN (WOL) packets through another Jump Client on the same network. Once a WOL is attempted, the option becomes unavailable for 30 seconds before a subsequent attempt can be made. WOL must be enabled on the target computer and its network for

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this function to work. The default gateway information of the Jump Client is used to determine if other Jump Clients reside on the same network. When sending a WOL packet, the user has an advanced option to provide a password for WOL environments that require a secure WOL password.

#### Use screen state to detect Customer Presence

Use screen state to detect Customer Presence sets how customer presence is determined. Customer presence is used when choosing whether to use the Customer Present Session Policy or the Customer Not Present Session Policy. If checked, the customer is determined to be present only if a user is logged in, the screen is not locked, and a screen saver is not running. If unchecked, the customer is considered present if a user is logged in, regardless of screen state.

Allow public portal sessions and Session Generation API sessions to start using a Jump Client already installed on the user's system.

# Jump Groups: Configure Which Representatives Can Access Which Jump Items

JUMP GROUPS	
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# **Jump Groups**

A Jump Group is a way to organize Jump Items, granting members varying levels of access to those items. Users are assigned to Jump Groups from this page or from the **Users & Security > Group Policies** page.

## Add New Jump Group, Edit, Delete

Create a new group, modify an existing group, or remove an existing group.

# **Search Jump Groups**

To quickly find an existing group in the list of **Jump Groups**, enter the name, part of the name, or a term from the comments. The list filters all groups with a name or comment containing the entered search term. The list remains filtered until the search term is removed, even if the user goes to other pages or logs out. To remove the search term, click the **X** to the right of the search box.

# Add or Edit Group

#### Name

Create a unique name to help identify this group. This name helps when adding Jump Items to a group as well as when determining which users, and group policies are members of a Jump Group.

#### Code Name

Set a code name for integration purposes. If you do not set a code name, one is created automatically.

#### Comments

Add a brief description to summarize the purpose of this Jump Group.

## **Group Policies**

This displays a listing of the group policies which assign users to this Jump Group.

# **Allowed Users**

Search for users to add to this Jump Group. You can set each user's **New Member Role** to set their permissions specific to Jump Items in this Jump Group, or you can use the user's default Jump Item Roles as set on the **Users & Security > Group Policies** page or the **Users & Security > Users** page. A Jump Item Role is a predefined set of permissions regarding Jump Item management and usage.

Existing Jump Group users are shown in a table, along with their assigned role and how the role was granted. You can filter the view by entering a string in the **Filter by name** text box. You can also edit a user's settings or delete a user from the Jump Group.

To add groups of users to a Jump Group, go to Users & Security > Group Policies and assign that group to one or more Jump Groups.

**Note:** Edit and delete functionality may be disabled for some users. This occurs either when a user is added via group policy or when a user's system Jump Item Role is set to anything other than **No Access**.

You can click the group policy link to modify the policy as a whole. Any changes made to the group policy apply to all members of that group policy.

You can click the user link to modify the user's system Jump Item role. Any changes to the user's system Jump Item role apply to all other Jump Groups in which the user is an unassigned member.

You also can add the individual to the group, overriding their settings as defined elsewhere.

For more information, please see <u>Use Jump Groups to Determine Which Users Can Access Which Jump Items</u> at https://www.beyondtrust.com/docs/remote-support/how-to/jumpoint/jump-groups.htm.

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# **Jump Policies: Set Schedules for Jump Clients**

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JUMP POLICIES
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# **Jump Policies**

Jump Policies are used to control when certain Jump Items can be accessed by implementing schedules.

**1** For more information on creating and using Jump Policies, please see <u>Create Jump Policies to Apply to Jump Items</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-to/jumpoint/policies.htm</u>.

#### Add, Edit, Delete

Create a new policy, modify an existing policy, or remove an existing policy.

# Add or Edit a Policy

## **Display Name**

Create a unique name to help identify this policy. This name should help users identify this policy when assigning it to Jump Clients.

#### Code Name

Set a code name for integration purposes. If you do not set a code name, one is created automatically.

#### Description

Add a brief description to summarize the purpose of this policy.

#### Jump Schedule: Enabled

Set a schedule to define when Jump Items under this policy can be accessed. Set the time zone you want to use for this schedule, and then add one or more schedule entries. For each entry, set the start day and time and the end day and time.

If, for instance, the time is set to start at 8 PM and end at 5 PM, a user can start a session using this Jump Item at any time during this window but may continue to work past the set end time. Attempting to re-access this Jump Item after 5 PM, however, results in a notification that the schedule does not permit a session to start. If necessary, the user may choose to override the schedule restriction and start the session anyway.

#### Force session to end when schedule does not permit access

If stricter access control is required, check **Force session to end when schedule does not permit access**. This forces the session to disconnect at the scheduled end time. In this case, the user receives recurring notifications beginning 15 minutes prior to being



disconnected.

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# Jump Item Roles: Configure Permission Sets for Jump Items

🛃 Jump

JUMP ITEM ROLES

# **Jump Item Roles**

A Jump Item Role is a predefined set of permissions regarding Jump Item management and usage. Jump Item Roles are applied to users from the **Jump > Jump Item Roles** page or from the **Users & Security > Group Policies** page.

If more than one role is assigned to a user, then the most specific role for a user is always used. The order of specificity for Jump Item Roles, from most specific to least specific, is:

- The role assigned to the relationship between a user and a Jump Group on the Jump > Jump Item Roles page
- The role assigned to the relationship between a user and a Jump Group on the Users & Security > Group Policies page
- The Jump Item Roles configured for a user on the Users & Security > Users page or the Users & Security > Group Policies page

**Note:** A new **Jump Item Role** called **Auditor** is automatically created on new site installations. On existing installations it has to be created. This role only has a single **View Reports** permission enabled, giving admins the option to grant a user just the permission to run Jump Item reports, without the need to grant any other permission.

#### Add New Jump Item Role, Edit, Delete

Create a new role, modify an existing role, or remove an existing role.

# Add or Edit Jump Item Role

#### Name

Create a unique name to help identify this role. This name helps when linking a Jump Item Role with a user or group of users in a Jump Group.

#### Description

Add a brief description to summarize the purpose of this role.

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# **Permissions**

#### Jump Group or Personal Jump Items

#### Create and deploy new Jump Items

Enables the user to create Jump Items and install them on remote systems.

#### Move and Copy Jump Items

Enables the user to move or copy Jump Items from one Jump Group into another. This permission must be enabled on both Jump Groups. Copied Jump Items can be edited.

For more information on how to copy Jump Items, please see <u>Jump Items: Use Jump Items to Support Remote Systems</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/jump-interface.htm.

#### **Remove existing Jump Items**

Enables the user to delete Jump Items.

#### Jump Item

#### **Start Sessions**

Enables the user to Jump to remote systems.

#### Edit Tag

Enables the user to edit a Jump Item's tag field.

#### **Edit Comments**

Enables the user to edit a Jump Item's comments field.

#### Edit Public Portal

Enables the user to set the public portal with which a Jump Item is associated.

#### **Edit Jump Policy**

Enables the user to set which, if any, Jump Policy is applied to a Jump Item.



#### **Edit Session Policy**

Enables the user to set which, if any, session policy a Jump Item should use. Changing the session policy may affect the permissions allowed in the session.

#### **Edit Connectivity and Authentication**

Enables the user to modify a Jump Item's connection and authentication information. This includes such fields as hostname, Jumpoint, port, and username, among others.

#### **Edit Behavior and Experience**

Enables the user to modify the behavior of Jump Items. This includes such fields as connection type, display size, and terminal type, among others.

#### **Jump Clients Only**

#### **Set Passwords**

Enables the user to password-protect Jump Clients.

#### **Bypass Passwords**

Enables the user to access password-protected Jump Clients without needing to know the password.

For more information, please see <u>Use Jump Item Roles to Create Permission Sets for Jump Items</u> at https://www.beyondtrust.com/docs/remote-support/how-to/jumpoint/jump-item-roles.htm.

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# **Jumpoint: Set Up Unattended Access to a Network**

🛃 Jump

JUMPOINT

## **Jumpoint Management**

BeyondTrust's Jump Technology enables a user to access computers on a remote network without having to pre-install software on every machine. Simply install a single Jumpoint agent at any network location to gain unattended access to every PC within that network.

## Add New Jumpoint, Edit, Delete

Create a new Jumpoint, modify an existing Jumpoint, or remove an existing Jumpoint.

## Redeploy

Uninstall an existing Jumpoint and download an installer to replace the existing Jumpoint with a new one. Jump shortcuts associated with the existing Jumpoint will use the new Jumpoint once it is installed.

**Note:** When an existing Jumpoint is replaced, its configuration is not saved. The new Jumpoint must be reconfigured.

#### Enable network browsing

At the bottom of the **Jumpoint** page is the option to **Enable network browsing**. If checked, a permitted user can view and select systems from the network directory tree. If unchecked, a user can access a system through a Jumpoint only by entering the system's hostname or IP address. Either way, the user must provide valid credentials to the remote system before gaining access.

# Add or Edit Jumpoints

#### Name

Create a unique name to help identify this Jumpoint. This name should help users locate this Jumpoint when they need to start a session with a computer on its same network.

#### Code Name

Set a code name for integration purposes. If you do not set a code name, one is created automatically.

#### Comments

Add comments to help identify the purpose of this Jumpoint.

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## Disabled

If checked, this Jumpoint is unavailable to make Jump connections.

### Clustered

If checked, you will be able to add multiple, redundant nodes of the same Jumpoint on different host systems. This ensures that as long as at least one node remains online, the Jumpoint will be available.

## **Enable Shell Jump Method**

If you want users to be able to connect to SSH-enabled and Telnet-enabled network devices through this Jumpoint, check **Enable Shell Jump Method**.

# **Group Policies**

This displays a listing of the group policies which allow users access to this Jumpoint.

# **Allowed Users**

#### **New Member Name**

Search for users to add to this Jumpoint. Users who are allowed to use this Jumpoint can start sessions with and/or create Jump Items connecting through this Jumpoint, as their permissions allow.

In the table below, view existing Jumpoint users. You can filter the view by entering a string in the **Filter by Name** text box. You can also delete the user from the Jumpoint.

To add a group of users to a Jumpoint, go to Users & Security > Group Policies and assign that group to one or more Jumpoints.

Note: You may see some users whose Delete options are disabled. This occurs when a user is added via group policy.

You can click the group policy link to modify the policy as a whole. Any changes made to the group policy apply to all members of that policy.

You also can add the individual to the Jumpoint, overriding their settings as defined elsewhere.

For more information, please also see <u>Configure and Install a Jumpoint</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/how-to/jumpoint/installation-windows.htm.

# **Jump Items: Import Shortcuts to Jump Items**

JUMP ITEMS

# **Jump Shortcuts Mass Import Wizard**

Create Jump Shortcuts to start standard support sessions, to start Remote Desktop Protocol sessions or VNC sessions, to Shell Jump to SSH-enabled or Telnet-enabled network devices, or to start Intel® vPro sessions.

When creating a large number of Jump shortcuts, it may be easier to import them via a spreadsheet than to add them one by one in the representative console.

For more information, please see <u>Use Jump Shortcuts to Jump to Remote Systems</u> at https://www.beyondtrust.com/docs/remote-support/how-to/jumpoint/jump-shortcuts.htm.

#### Download a Template Suitable for Importing Jump Shortcuts

From the dropdown in the **Jump Shortcuts Mass Import Wizard** section, select the type of Jump Item you wish to add, and then click **Download Template**. Using the text in the CSV template as column headers, add the information for each Jump shortcut you wish to import. Optional fields can be filled in or left blank.

#### **Upload Jump Shortcuts Mass Import Template**

#### **Import Jump Shortcuts**

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Once you have completed filling out the template, use **Import Jump Shortcuts** to upload the CSV file containing the Jump Item information. The maximum file sized allowed to be uploaded at one time is 5 MB. Only one type of Jump Item can be included in each CSV file.

#### Local Jump Shortcut Help

Parameter	Description
Hostname	The hostname of the endpoint to be accessed by this Jump Item. This string has a maximum of 128 characters.
Name	Enter a <b>Name</b> for the Jump Item. This name identifies the item in the session tabs. This string has a maximum of 128 characters.
	The code name of the Jump Group with which this Jump Item should be associated.
Jump Group	<b>Note:</b> When using the import method, a Jump Item cannot be associated with a personal list of Jump Items.

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Parameter	Description
Tag (optional)	You can organize your Jump Items into categories by adding a tag. This string has a maximum of 1024 characters.
Comments (optional)	You can add comments to your Jump Items. This string has a maximum of 1024 characters.
Jump Policy (optional)	The code name of a Jump Policy. You can specify a Jump Policy to manage access to this Jump Item.
Public Portal (optional)	The public portal through which this Jump Item should connect.
Customer Present Session Policy (optional)	The code name of a session policy. You can specify a session policy to manage the permissions available on this Jump Item when a customer is present.
Customer Not Present Session Policy (optional)	The code name of a session policy. You can specify a session policy to manage the permissions available on this Jump Item when a customer is not present.

## **Remote Jump Shortcut Help**

Parameter	Description
Hostname	The hostname of the endpoint to be accessed by this Jump Item. This string has a maximum of 128 characters.
Jumpoint	The code name of the Jumpoint through which the endpoint is accessed.
Name	Enter a <b>Name</b> for the Jump Item. This name identifies the item in the session tabs. This string has a maximum of 128 characters.
	The code name of the Jump Group with which this Jump Item should be associated.
Jump Group	<b>Note:</b> When using the import method, a Jump Item cannot be associated with a personal list of Jump Items.
Tag (optional)	You can organize your Jump Items into categories by adding a tag. This string has a maximum of 1024 characters.
Comments (optional)	You can add comments to your Jump Items. This string has a maximum of 1024 characters.
Jump Policy (optional)	The code name of a Jump Policy. You can specify a Jump Policy to manage access to this Jump Item.
Public Portal (optional)	The public portal through which this Jump Item should connect.
Customer Present Session Policy (optional)	The code name of a session policy. You can specify a session policy to manage the permissions available on this Jump Item when a customer is present.
Customer Not Present Session Policy (optional)	The code name of a session policy. You can specify a session policy to manage the permissions available on this Jump Item when a customer is not present.

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## Local VNC Jump Shortcut Help

Parameter	Description
Hostname	The hostname of the endpoint to be accessed by this Jump Item. This string has a maximum of 128 characters.
Port (optional)	A valid port number from <b>100</b> to <b>65535</b> . Defaults to <b>5900</b> .
Name	Enter a <b>Name</b> for the Jump Item. This name identifies the item in the session tabs. This string has a maximum of 128 characters.
	The code name of the Jump Group with which this Jump Item should be associated.
Jump Group	<b>Note:</b> When using the import method, a Jump Item cannot be associated with a personal list of Jump Items.
Tag (optional)	You can organize your Jump Items into categories by adding a tag. This string has a maximum of 1024 characters.
Comments (optional)	You can add comments to your Jump Items. This string has a maximum of 1024 characters.
Jump Policy (optional)	The code name of a Jump Policy. You can specify a Jump Policy to manage access to this Jump Item.
Public Portal (optional)	The public portal through which this Jump Item should connect.
Session Policy (optional)	The code name of a session policy. You can specify a session policy to manage the permissions available on this Jump Item.

## Remote VNC Jump Shortcut Help

Parameter	Description
Hostname	The hostname of the endpoint to be accessed by this Jump Item. This string has a maximum of 128 characters.
Jumpoint	The code name of the Jumpoint through which the endpoint is accessed.
Port (optional)	A valid port number from <b>100</b> to <b>65535</b> . Defaults to <b>5900</b> .
Name	Enter a <b>Name</b> for the Jump Item. This name identifies the item in the session tabs. This string has a maximum of 128 characters.
	The code name of the Jump Group with which this Jump Item should be associated.
Jump Group	<b>Note:</b> When using the import method, a Jump Item cannot be associated with a personal list of Jump Items.
Tag (optional)	You can organize your Jump Items into categories by adding a tag. This string has a maximum of 1024 characters.

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Parameter	Description
Comments (optional)	You can add comments to your Jump Items. This string has a maximum of 1024 characters.
Jump Policy (optional)	The code name of a Jump Policy. You can specify a Jump Policy to manage access to this Jump Item.
Public Portal (optional)	The public portal through which this Jump Item should connect.
Session Policy (optional)	The code name of a session policy. You can specify a session policy to manage the permissions available on this Jump Item.

## **Remote RDP Jump Shortcut Help**

Parameter	Description
Hostname	The hostname of the endpoint to be accessed by this Jump Item. This string has a maximum of 128 characters.
Jumpoint	The code name of the Jumpoint through which the endpoint is accessed.
Username (optional)	The username to sign in as.
Domain (optional)	The domain the endpoint is on.
Quality (optional)	The quality at which to view the remote system. Can be <b>low</b> (2-bit gray scale for the lowest bandwidth consumption), <b>best_perf</b> (default - 8-bit color for fast performance), <b>perf_and_qual</b> (16-bit for medium quality image and performance), <b>best_qual</b> (32-bit for the highest image resolution), or <b>video_opt</b> (VP9 codec for more fluid video). This cannot be changed during the remote desktop protocol (RDP) session.
Console Session (optional)	<ul><li>1: Starts a console session.</li><li>0: Starts a new session (default).</li></ul>
Ignore Untrusted Certificate (optional)	<ul> <li>1: Ignores certificate warnings.</li> <li>0: Shows a warning if the server's certificate cannot be verified.</li> </ul>
Name	Enter a <b>Name</b> for the Jump Item. This name identifies the item in the session tabs. This string has a maximum of 128 characters.
	The code name of the Jump Group with which this Jump Item should be associated.
Jump Group	<b>Note:</b> When using the import method, a Jump Item cannot be associated with a personal list of Jump Items.
Tag (optional)	You can organize your Jump Items into categories by adding a tag. This string has a maximum of 1024 characters.
Comments (optional)	You can add comments to your Jump Items. This string has a maximum of 1024 characters.
Jump Policy (optional)	The code name of a Jump Policy. You can specify a Jump Policy to manage access to this Jump Item.
Public Portal (optional)	The public portal through which this Jump Item should connect.
Session Policy (optional)	The code name of a session policy. You can specify a session policy to manage the permissions available

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Parameter	Description
	on this Jump Item.

## Local RDP Jump Shortcut Help

Parameter	Description	
Hostname	The hostname of the endpoint to be accessed by this Jump Item. This string has a maximum of 128 characters.	
Username (optional)	The username to sign in as.	
Domain (optional)	The domain the endpoint is on.	
Quality (optional)	The quality at which to view the remote system. Can be <b>low</b> (2-bit gray scale for the lowest bandwidth consumption), <b>best_perf</b> (default - 8-bit color for fast performance), <b>perf_and_qual</b> (16-bit for medium quality image and performance), <b>best_qual</b> (32-bit for the highest image resolution), or <b>video_opt</b> (VP9 codec for more fluid video). This cannot be changed during the remote desktop protocol (RDP) session.	
Console Session (optional)	<ul><li>1: Starts a console session.</li><li>0: Starts a new session (default).</li></ul>	
Ignore Untrusted Certificate (optional)	<ol> <li>Ignores certificate warnings.</li> <li>Shows a warning if the server's certificate cannot be verified.</li> </ol>	
Name	Enter a <b>Name</b> for the Jump Item. This name identifies the item in the session tabs. This string has a maximum of 128 characters.	
Jump Group	The code name of the Jump Group with which this Jump Item should be associated.	
	<b>Note:</b> When using the import method, a Jump Item cannot be associated with a personal list of Jump Items.	
Tag (optional)	You can organize your Jump Items into categories by adding a tag. This string has a maximum of 1024 characters.	
Comments (optional)	You can add comments to your Jump Items. This string has a maximum of 1024 characters.	
Jump Policy (optional)	The code name of a Jump Policy. You can specify a Jump Policy to manage access to this Jump Item.	
Public Portal (optional)	The public portal through which this Jump Item should connect.	
Session Policy (optional)	The code name of a session policy. You can specify a session policy to manage the permissions available on this Jump Item.	

## Shell Jump Shortcut Help

Parameter	Description
Hostname	The hostname of the endpoint to be accessed by this Jump Item. This string has a maximum of 128

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Parameter	Description	
	characters.	
Jumpoint	The code name of the Jumpoint through which the endpoint is accessed.	
Username (optional)	The username to sign in as.	
Protocol	Can be either <b>ssh</b> or <b>telnet</b> .	
Port (optional)	A valid port number from 1 to 65535. Defaults to 22 if the protocol is ssh or 23 if the protocol is telnet.	
Terminal Type (optional)	Can be either <b>xterm</b> (default) or <b>VT100</b> .	
Keep-Alive (optional)	The number of seconds between each packet sent to keep an idle session from ending. Can be any number from <b>0</b> to <b>300</b> . <b>0</b> disables keep-alive (default).	
Name	Enter a <b>Name</b> for the Jump Item. This name identifies the item in the session tabs. This string has a maximum of 128 characters.	
Jump Group	The code name of the Jump Group with which this Jump Item should be associated.	
	<b>Note:</b> When using the import method, a Jump Item cannot be associated with a personal list of Jump Items.	
Tag (optional)	You can organize your Jump Items into categories by adding a tag. This string has a maximum of 1024 characters.	
Comments (optional)	You can add comments to your Jump Items. This string has a maximum of 1024 characters.	
Jump Policy (optional)	The code name of a Jump Policy. You can specify a Jump Policy to manage access to this Jump Item.	
Session Policy (optional)	The code name of a session policy. You can specify a session policy to manage the permissions available on this Jump Item.	
Public Portal (optional)	The public portal through which this Jump Item should connect.	

### Intel vPro Shortcut Help

Parameter	Description
Hostname	The hostname of the endpoint to be accessed by this Jump Item. This string has a maximum of 128 characters.
Jumpoint	The code name of the Jumpoint through which the endpoint is accessed.
Name	Enter a <b>Name</b> for the Jump Item. This name identifies the item in the session tabs. This string has a maximum of 128 characters.
Jump Group	The code name of the Jump Group with which this Jump Item should be associated.
	<b>Note:</b> When using the import method, a Jump Item cannot be associated with a personal list of

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Parameter	Description	
	Jump Items.	
Tag (optional)	You can organize your Jump Items into categories by adding a tag. This string has a maximum of 1024 characters.	
Comments (optional)	You can add comments to your Jump Items. This string has a maximum of 1024 characters.	
Jump Policy (optional)	The code name of a Jump Policy. You can specify a Jump Policy to manage access to this Jump Item.	
Public Portal (optional)	The public portal through which this Jump Item should connect.	

For more information, please see <u>Use Jump Shortcuts to Jump to Remote Systems</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-to/jumpoint/jump-shortcuts.htm</u>.

# **Jump Item Settings**

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#### Simultaneous Jumps

#### For Jump Client, Local Jump, Remote Jump, Local VNC, Remote VNC, Intel® vPro

Set **Simultaneous Jumps** to **Join Existing Session** to provide a way for multiple users to gain access to the same Jump Item without an invitation to join an active session by another user. The first user to access the Jump Item maintains ownership of the session. Users in a shared Jump session see each other and can chat.

Set this option to **Disallow Jump** to ensure only one user can Jump to a Jump Item at a time. Only an invitation by the user who originated the session can allow for a second user to access the session.

This setting applies to the following Jump Item types:

- Jump Client
- Local Jump
- Remote Jump
- Local VNC
- Remote VNC
- Shell Jump
- Intel® vPro

#### For Remote RDP, Local RDP

Set **Simultaneous Jumps** to **Start New Session** to provide a way for multiple users to gain access to the same Jump Item without an invitation to join an active session by another user. For RDP, multiple users may gain access to a Jump Item, but each starts an independent session.

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Set this option to **Disallow Jump** to ensure only one user at a time can Jump to a Jump Item. Only an invitation by the user who originated the session can allow for a second user to access the session.

This setting applies to Local and Remote RDP Jump Item types only.

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# Vault for Remote Support

# Discovery: Discover Accounts, Endpoints, and Services in a Domain

🔂 Vault	DISCOVERY
BevondTrust Vault is a credential sto	ore that exists on the B Series Appliance, enabling discovery of and access to privileged credentials.

BeyondTrust Vault is a credential store that exists on the B Series Appliance, enabling discovery of and access to privileged credentials. You can manually add privileged credentials, or you can use the built-in discovery tool to scan and import Active Directory and local accounts into BeyondTrust Vault.

For more information, please see the <u>Vault Whitepaper</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-</u> to/vault/index.htm.

# **Discovery: Windows Domain**

With the BeyondTrust Vault add-on, you can discover Active Directory accounts, local accounts, Windows service accounts, and endpoints. Jumpoints are used to scan endpoints and discover the accounts associated with those endpoints.

Click New Discovery Job to initiate a discovery. The options are:

- Windows Domain: Discover endpoints, domain accounts, and local accounts accessible from a Jumpoint on a Windows domain.
- Local Windows Accounts on Jump Clients: Discover local Windows accounts on machines where an active, service mode Jump Client is currently online.

Note: The Local Windows Accounts on Jump Clients option only displays if you have the Jump Clients permission located in Users & Security > Users > Representative Permissions > Jump Technology. If you have any issues, contact your site administrator.

Click Continue to start the discovery process.

If you selected **Windows Domain**, follow the steps in the **Add Domain** section. If you selected **Local Windows Accounts on Jump Clients**, follow the steps in the **Discovery: Jump Client Search Criteria**.

**1** For more information on Jumpoints, please see <u>BeyondTrustRemote Support Jumpoint Guide</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-to/jumpoint/index.htm</u>.

# Add Domain

## DNS Name of the Domain

Enter the DNS name for your environment.

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#### Jumpoint

Choose an existing Jumpoint located within the environment you wish to discover accounts.

#### **Management Account**

Select the management account needed to initiate the discovery job. Choose to use a new account, which requires a **Username**, **Password**, and **Password Confirmation** to be entered. Or choose to use an existing account discovered from a previous job or added manually in the **Accounts** section.

#### Username

Enter a valid username to use for discovery (username@domain).

#### Password

Enter a valid a password to user for discovery.

## **Confirm Password**

Re-enter the password to confirm.

**Note:** You can define which parts of a domain to run a **Discovery/Import** job. Once you select the required fields for a **Discovery Job**, you can refine the search by specifying which OU's to target or entering LDAP queries.

#### **Discovery Scope**

Select the objects you wish Vault to discover:

- Domain Accounts
- Endpoints
- Local Accounts
- Services

You can enter a **Search Path**, or leave it blank to search all OUs and containers. You can also use an **LDAP Query** to narrow the scope of user accounts and endpoints searched.

# **Discovery: Jump Client Search Criteria**

Enter one or more search criteria to find active Jump Clients you'd like to use to discover local Windows accounts. All text field searches are partial and case-insensitive. Jump Clients that match all the search criteria will be displayed on the next page for you to select before discovery begins.

**Note:** The following types of Jump Clients cannot be used for local account discovery and will not be included in the search results:

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- Jump Clients that are currently offline or disabled
- Jump Clients that are not running as an elevated service
- Jump Clients that are installed in a domain controller
- Passive Jump Clients

#### **Jump Groups**

Administrators can search for Jump Clients via their Jump Groups and their attributes. If the user is not a member of any Jump Group, the **Jump Groups** selection section is grayed out and either a tool tip or note is shown indicating that user must be a member of at least one Jump Group to proceed with the Jump Client discovery process. This is similar to how domain discovery works when a user is not a member of a Jump Group when importing an endpoint.

You can search All of Your shared Jump Groups or Specific Jump Groups.

#### **Jump Client Attributes**

You can select one or more shared Jump Groups. Private Jump Groups are not supported.

One or more Jump Client attributes can be entered. If more than one search criteria is entered, only Jump Clients matching all criteria are used for discovery.

The following attributes can be used as search criteria:

- Name: The Jump Client's name as it appears in the Name column in the Representative Console.
- Hostname: The Jump Client's hostname as it appears in the Hostname/IP column of the Representative Console.
- FQDN: The Jump Client's fully qualified domain name, as it appears under the FQDN label of the Jump Client details pane in the Representative Console.
- Tag: The Jump Client's tag as it appears in the Tag column of the Representative Console.
- **Public/Private IP**: The Jump Client's public and private IP addresses, as they appear under the **Public IP** label of the Jump Client details pane in the Representative Console. Jump Clients whose IP address starts with the given search value will match.

Click Continue to initiate the discovery.

## **Discovery: Select Jump Clients**

This screen displays the Jump Clients that will be used in discovery. Select one or more and click Start Discovery.

# **Discovery Results**

The results display a list of discovered Endpoints and Local Accounts. Select one or more and click Import Select.

# **Import Discovered Items**

A list of the selections you made displays.

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### **Account Group**

Select from which account group you want to import, then click **Start Import**. A warning display indicating this process cannot be stopped once it has started. Click **Yes** to proceed, or **No** to abort.

# Importing

A message displays indicating the import was completed successfully. A list of Endpoints and Local Accounts displays.

# Accounts

## Search Shared/Personal Accounts

If you get an extensive list of accounts discovered, use the **Search** field to search accounts by **Name**, **Endpoint**, or **Description** (by **Name** and **Description** only for personal accounts).

Toggle between **Shared** and **Personal** accounts. Select one or more accounts. Click ... to **Rotate Password**, **Edit** or **Delete** the account. You can also click **Rotate** at the top of the page to rotate the password for the select accounts.

# **Discovery Jobs**

View discovery jobs that are in progress for a specific domain, or review the results of successful and failed discovery jobs.

## **View Results**

Click **View Results** for a discovery job to view the **Discovery Results**, which includes discovered endpoints, local accounts, domain accounts, and services found in the domain.

You can filter the list of items based on their attributes using the filter box above the grid. For each tab, click the i next to the filter box to see which attributes can be searched.

Select which endpoints, accounts, and services to import and store in your BeyondTrust Vault instance. For each list item you wish to import, check the box beside it and click **Import Selected**.

For more information, please see <u>Discover Domains, Endpoints, and Accounts Using BeyondTrust Vault</u> at https://www.beyondtrust.com/docs/remote-support/how-to/vault/discovery.htm.

# Accounts: Manage Vault Accounts

# 🔒 Vault

ACCOUNTS

View and manage information about all discovered and manually added accounts.

#### Note: Vault can import, rotate, and manage up to 60,000 accounts.

Available information for shared accounts includes:

- Type: The type of account, specifically, whether it is a domain or a local account, or a generic password account.
- Name: The name of the account.
- Username: The username associated with the account.
- Group: The name of the account group to which the account belongs.
- Endpoint: The endpoint with which the account is associated.
- · Description: Short description about the account.
- Last Checkout: The last time the account was checked out.
- Password Age: The age of the password.
- Status: The status of the account. For example, warnings, errors, and if the account is checked out are indicated in this column. This column is auto-hidden when there aren't any statuses to indicate for any accounts. Multiple statuses are stacked and indicated in different colors. You can mouse-hover over a specific status to view more details about it.

Tip: You can filter the list of shared accounts displayed using the filters for Group and Password Age.

Based on this information, you can perform various actions, including credential check-out/check-in and credential rotation.

Available information for personal accounts includes:

- Type: The type of account, specifically, whether it is a domain or a local account, or a generic password account.
- Name: The name of the account.
- Owner: The name of the person who created and owns the account.
- Description: Short description about the account.
- **Password Age**: The age of the password.

Tip: You can filter the list of shared accounts displayed using the filters for Owner and Password Age.

# Accounts

#### **Add Account**

Click Add to manually add a shared or personal generic account to BeyondTrust Vault.

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#### **Search Shared Accounts**

Search for a specific shared account or a group of accounts based on Name, Endpoint Name, and Description.

#### Select Visible Columns

Click the Select Visible Columns button (columns icon) above the Accounts grid and select the columns to display in the grid.

#### **Check Out and Check In a Shared Account**

Click **Check Out** to view and use the credential. When selected, the **Account Password** prompt appears, displaying the credential for 60 seconds to allow you to copy the password. Once the prompt is closed, the **Check In** option becomes available. When finished using the account, click **Check In** to check the password back into the system.

For more information, please see <u>Check Out Credentials from the /login Interface</u> at https://www.beyondtrust.com/docs/remote-support/how-to/vault/check-out.htm.

#### **Ellipsis Menu for Shared Accounts**

Click ... to view more actions, such as **Rotate Password**, **Edit**, and **Delete**. When **Rotate Password** is selected, the system automatically rotates or changes the password. When **Edit** is selected, you can modify the account's information. The **Delete** option removes the account from the **Accounts** list.

For more information, please see <u>Rotate Privileged Credentials Using BeyondTrust Vault</u> at https://www.beyondtrust.com/docs/remote-support/how-to/vault/rotation.htm.

#### **Search Personal Accounts**

Search for a specific personal account or a group of accounts based on Name and Description.

#### **View Password for Personal Account**

Click **View Password** to view and use the credential. When selected, the **Account Password** prompt appears, displaying the credential for 60 seconds to allow you to copy the password.

#### **Edit Personal Account**

Click Edit Account to modify the account's information, specifically Name, Description, Username, and Password.

# **Add Shared Account**

The **Add > Shared Generic Account** option allows you to add accounts without having to run a discovery job. Instead, you can manually enter information about the account. This option is helpful in situations where a shared account or username/password combination can be used to access many different systems.

# BeyondTrust

#### Name

Enter a name for the account.

### Description

Enter a brief and memorable description of the account.

#### Username

Provide the username for the account.

## Authentication

Select the authentication method for the account: Password or SSH Private Key, or SSH Private Key With Certificate.

Note: If you use an SSH private key for authentication, you must provide a private key for the account in OpenSSH format. Optionally, you can include the passphrase associated with the private key.

#### **Password and Confirm Password**

If Password is selected for authentication, you must enter the password for the account and confirm the password.

## **SSH Private Key**

If SSH Private Key is selected for authentication, you must enter the SSH private key for the account.

#### **SSH Private Key With Certificate**

If **SSH Private Key With Certificate** is selected for authentication, you must enter the SSH private key for the account, and the SSH key passphrase if applicable. You must also provide the SSH public certificate for the account.

#### SSH Key Passphrase

If applicable, enter the SSH private key's passphrase.

## **Account Policy**

Select a specific policy for the account or leave **Account Policy** set to the default value of **Inherit Policy Settings**, in which case the account inherits the policy settings of the account group. If no account group is selected for the account, the account inherits the policy settings set for the global default account policy on the **Vault > Options** page.

## Account Group

Select a group from the list to add the shared account to an account group. If a group is not selected, the account is added to the **Default Group**.

# **Group Policies**

If the account was added to any group policies, they are listed here, along with their Vault account roles.

# **Account Users**

#### **New User Name**

Select users who are allowed to access this account, as well as their Vault account role, and then click Add.

#### **New Member Role**

Select the Vault account role for the new user, and then click Add. Users can be assigned one of two roles:

- Inject (default value): Users with this role can use this account in Remote Support sessions.
- Inject and Checkout: Users with this role can use this account in Remote Support sessions and can check out the account on /login. The Checkout permission has no affect on generic SSH accounts.

Note: The Vault Account Role is visible in the list of users added to the Vault Account.

**Note:** When upgrading to a BeyondTrustRemote Support installation with the Configurable Vault Checkout feature, all existing **Vault Account Memberships** that were configured in Group Policies before the upgrade will have their **Vault Account Role** set to **Inject and Checkout** by default after the upgrade.

# IMPORTANT!

**Vault Account Role Precedence**: Vault Account Roles can be assigned to both users and group policies. This means the same user could have different roles for a single Vault account. One role could be assigned by the user's group policies, while a different role could be assigned by the user's explicit access to the Vault Account. In such cases, the system uses the most-specific role for that user. Therefore, the system will let the role assigned on the **Edit Vault Account** page override the role assigned on the user's group policy. When the role is overridden in such a way, the word "overridden" appears on the **Edit Vault Account** page for the user's group policy membership. This behavior is consistent with the order of precedence for Jump Item Roles.

Note: User accounts with the Allowed to Administer Vault permission are implicitly allowed to access every Vault account.

# **Jump Item Associations**

Select the type of **Jump Item Associations** for the account. The **Jump Item Associations** setting determines which Jump Items the account is associated with, so the account is available only for relevant target machines in the representative console during credential injection attempts. Select one of the following associations methods:

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- Inherited from the Account Group: Associations for this account are determined by the associations defined in this account's Account Group.
- Any Jump Items: This account can be injected within any session started from a Jump Item in which the account is applicable.
- No Jump Items: This account cannot be injected into any session started from a Jump Item.
- Jump Items Matching Criteria: This account can be injected only within sessions started from Jump Items that match the criteria you define, in which the account is applicable.
  - You can define a direct association between Vault accounts and specific Jump Items by selecting the Jump Items from the list, and then clicking Add Jump Item.
  - You can further define the association between Vault accounts and Jump Items by specifying matching criteria based on the following Jump Item attributes. If configured, the account is available for injection for any Jump Items that match the specified attribute criteria in addition to any specific Jump Items you added as matching criteria.
    - Shared Jump Groups: Select a Jump Group from the list.
    - Name: This filter is matched against the value that appears in the Name column of the jump item in the representative console.
    - Hostname / IP: This filter is matched against the value that appears in the Hostname / IP column of the Jump Item in the representative console.
    - **Tag**: This filter is matched against the value that appears in the **Tag** column of the Jump Item in the representative console.
    - **Comments**: This filter is matched against the value that appears in the **Comments** column of the Jump Item in the representative console.

Tip: Click the i icon for each option and attribute to view more specific information about it.

Note: Local accounts are available for injection within the endpoints on which they were discovered.

# Add Personal Account

#### Name

Enter a name for the account.

#### Description

Enter a brief and memorable description of the account.

#### Username

Provide the username for the account.

## Authentication

Select the authentication method for the account: Password or SSH Private Key, or SSH Private Key With Certificate.

\*

**Note:** If an SSH private key is selected for authentication, you must provide a private key for the account in OpenSSH format. Optionally, you can include the passphrase associated with the private key.

### **Password and Confirm Password**

If Password is selected for authentication, you must enter the password for the account and confirm the password.

## SSH Private Key

If SSH Private Key is selected for authentication, you must enter the SSH private key for the account.

## **SSH Private Key With Certificate**

If **SSH Private Key With Certificate** is selected for authentication, you must enter the SSH private key for the account, and the SSH key passphrase if applicable. You must also provide the SSH public certificate for the account.

#### **SSH Key Passphrase**

If applicable, enter the SSH private key's passphrase.

# **Edit Local Account**

#### Name

View or edit the name used for the account.

#### Description

View or edit the description of the account.

#### Username

View the username associated with the account.

## **Password and Confirm Password**

Enter a new password for the account, or leave the field blank to keep the existing password. Confirm the password entered.

#### **Password Age**

View the age of the existing password.

## **Account Policy**

Select a specific policy for the account or leave **Account Policy** set to the default value of **Inherit Policy Settings**, in which case the account inherits the policy settings of the account group. If no account group is selected for the account, the account inherits the policy settings set for the global default account policy on the **Vault > Options** page.

## Allow Simultaneous Checkout

If the account can be checked out and used by multiple users or sessions at the same time, select this option.

## **Account Group**

Select a group from the list to add the shared account to an account group. If a group is not selected, the account is added to the **None** system group.

#### **Endpoint Name**

View which endpoint or endpoints are associated with the account.

#### **Endpoint Hostname**

View the hostname of the associated endpoints.

#### Account Users

Select users who are allowed to access this account, as well as their Vault account role, and then click Add.

Note: User accounts with the Allowed to Administer Vault permission are implicitly allowed to access every Vault account.

#### **Jump Item Associations**

Select the type of **Jump Item Associations** for the account. The **Jump Item Associations** setting determines which Jump Items the account is associated with, so the account is available only for relevant target machines in the representative console during credential injection attempts. Select one of the following associations methods:

- Inherited from the Account Group: Associations for this account are determined by the associations defined in this account's Account Group.
- Any Jump Items: This account can be injected within any session started from a Jump Item in which the account is applicable.
- No Jump Items: This account cannot be injected into any session started from a Jump Item.
- Jump Items Matching Criteria: This account can be injected only within sessions started from Jump Items that match the criteria you define, in which the account is applicable.
  - You can define a direct association between Vault accounts and specific Jump Items by selecting the Jump Items from the list, and then clicking **Add Jump Item**.
  - You can further define the association between Vault accounts and Jump Items by specifying matching criteria based on the following Jump Item attributes. If configured, the account is available for injection for any Jump Items that match the specified attribute criteria in addition to any specific Jump Items you added as matching criteria.

- Shared Jump Groups: Select a Jump Group from the list.
- Name: This filter is matched against the value that appears in the Name column of the jump item in the representative console.
- Hostname / IP: This filter is matched against the value that appears in the Hostname / IP column of the Jump Item in the representative console.
- **Tag**: This filter is matched against the value that appears in the **Tag** column of the Jump Item in the representative console.
- Comments: This filter is matched against the value that appears in the Comments column of the Jump Item in the representative console.

Tip: Click the i icon for each option and attribute to view more specific information about it.



# **Edit Domain Account**

#### Name

View or edit the name used for the account.

#### Description

View or edit the description of the account.

#### Username

View the username associated with the account.

#### **Password and Confirm Password**

Enter a new password for the account, or leave the field blank to keep the existing password. Confirm the password entered.

#### **View Password History**

View the dates and times of password changes. Click **Reveal** to temporarily show the password. Click **Use** to set the password of this account to that password.

#### **Password Age**

View the age of the existing password.

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## Account Policy

Select a specific policy for the account or leave **Account Policy** set to the default value of **Inherit Policy Settings**, in which case the account inherits the policy settings of the account group. If no account group is selected for the account, the account inherits the policy settings set for the global default account policy on the **Vault > Options** page.

## **Distinguished Name**

View the distinguished name for the account.

## **Account Group**

Select a group from the list to add the shared account to an account group. If a group is not selected, the account is added to the **Default Group**.

#### Account Users

Select users who are allowed to access this account, as well as their Vault account role, and then click Add.

Note: User accounts with the Allowed to Administer Vault permission are implicitly allowed to access every Vault account.

#### **Jump Item Associations**

Select the type of **Jump Item Associations** for the account. The **Jump Item Associations** setting determines which Jump Items the account is associated with, so the account is available only for relevant target machines in the representative console during credential injection attempts. Select one of the following associations methods:

- Inherited from the Account Group: Associations for this account are determined by the associations defined in this account's Account Group.
- Any Jump Items: This account can be injected within any session started from a Jump Item in which the account is applicable.
- No Jump Items: This account cannot be injected into any session started from a Jump Item.
- Jump Items Matching Criteria: This account can be injected only within sessions started from Jump Items that match the criteria you define, in which the account is applicable.
  - You can define a direct association between Vault accounts and specific Jump Items by selecting the Jump Items from the list, and then clicking Add Jump Item.
  - You can further define the association between Vault accounts and Jump Items by specifying matching criteria based on the following Jump Item attributes. If configured, the account is available for injection for any Jump Items that match the specified attribute criteria in addition to any specific Jump Items you added as matching criteria.
    - Shared Jump Groups: Select a Jump Group from the list.
    - Name: This filter is matched against the value that appears in the Name column of the jump item in the representative console.
    - Hostname / IP: This filter is matched against the value that appears in the Hostname / IP column of the Jump Item in the representative console.
    - Tag: This filter is matched against the value that appears in the Tag column of the Jump Item in the representative

console.

• **Comments**: This filter is matched against the value that appears in the **Comments** column of the Jump Item in the representative console.

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Tip: Click the i icon for each option and attribute to view more specific information about it.

Note: Local accounts are available for injection within the endpoints on which they were discovered.

# **Edit Personal Generic (Password) Account**

#### Name

View or edit the name used for the account.

#### Description

View or edit the description of the account.

#### Username

View the username associated with the account.

#### **Password and Confirm Password**

Enter a new password for the account, or leave the field blank to keep the existing password. Confirm the password entered.

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# Vault Account Groups: Add and Manage Account Groups



ACCOUNT GROUPS

Shared Vault accounts can be added to an account group to allow Vault admins to grant users access to multiple shared Vault accounts more efficiently. Account groups can also be used to associate a group of shared Vault accounts to a group policy.

**Note:** A shared Vault account can belong to only one group at a time and personal Vault accounts cannot be added to an account group.

# **Account Groups**

Add, view, and manage account groups.

#### **Add Account Group**

Click Add to add an account group, add Vault accounts to the group, and grant users access to the group of shared Vault accounts.

#### **Search Account Groups**

Search for a specific account groups based on Name or Description.

## **Add Account Group**

The Add Account Group option allows you to add account groups for the purpose of granting users access to multiple Vault accounts at once.

#### Name

Enter a name for the account group.

#### Description

Enter a brief and memorable description of the account group.

#### **Account Policy**

Select a specific policy for the account group or leave **Account Policy** set to the default value of **Inherit Policy Settings**, in which case the accounts in this account group inherit the policy settings set for the global default account policy on the **Vault > Options** page.

# **Group Policies**

If the account group was added to any group policies, they are listed here, along with their Vault account roles.

# Accounts

## **Source Account Group**

Filter the list of accounts available to add to the group by selecting a group from the Source Account Group list.

## Search Selected Account Group

Filter the list of accounts available to add to the group by searching for an account group. You can search by **Name**, **Endpoint**, and **Description**.

## Accounts in Group "Default Group"

List of Vault accounts available to add to the account group.

#### Add

Select accounts from the list of available groups, and then click Add to add them to the Accounts in This Group list.

#### Remove

Select accounts from the list of Accounts in This Group, and then click Remove to remove them from the account group.

#### Search This Account Group

Filter the list of Accounts in This Group by searching for an account group by Name, Endpoint, and Description.

#### Accounts in This Group

List of Vault accounts that exist in this account group.

# Allowed Users

#### **New User Name**

Select users who are allowed to access this account.

#### **New Member Role**

Select the Vault account role for the new user, and then click Add. Users can be assigned one of two roles:

- Inject (default value): Users with this role can use this account in Remote Support sessions.
- Inject and Checkout: Users with this role can use this account in Remote Support sessions and can check out the account on /login. The Checkout permission has no affect on generic SSH accounts.

# BeyondTrust

Note: The Vault Account Role is visible in the list of users added to the Vault account.

# Jump Item Associations

Select the type of **Jump Item Associations** for the account group. The **Jump Item Associations** setting determines which Jump Items the accounts in this account group are associated with, so that only the accounts relevant to the target machine are available in the representative console during credential injection attempts. Select one of the following associations methods:

- Any Jump Items: Accounts in this group can be injected into any Jump Item session in which the accounts are applicable.
- No Jump Items: Accounts in this group cannot be injected into any Jump Item session.
- Jump Items Matching Criteria: Accounts in this group can be injected only into Jump Item sessions that match the criteria you define, in which the accounts are applicable.
  - You can define a direct association between applicable accounts in this account group and specific Jump Items by selecting the Jump Items from the list, and then clicking **Add Jump Item**.
  - You can further define the association between applicable accounts in this account group and Jump Items by specifying
    matching criteria based on the following Jump Item attributes. If configured, accounts in this account group are available
    for injection for any Jump Items that match the specified attribute criteria in addition to any specific Jump Items you added
    as matching criteria.
    - Shared Jump Groups: Select a Jump Group from the list.
    - Name: This filter is matched against the value that appears in the Name column of the Jump Item in the representative console.
    - Hostname / IP: This filter is matched against the value that appears in the Hostname / IP column of the Jump Item in the representative console.
    - Tag: This filter is matched against the value that appears in the Tag column of the Jump Item in the representative console.
    - Comments: This filter is matched against the value that appears in the Comments column of the Jump Item in the representative console.

Tip: Click the i icon for each option and attribute to view more specific information about it.

Note: Local accounts are available for injection within the endpoints on which they were discovered.

# Account Policies: Add and Manage Account Policies

# 🔒 Vault

ACCOUNT POLICIES

Vault account policies provide a method to define account settings related to password rotation and credential checkout and apply those settings to multiple accounts at once.

Multiple account policies that apply to a single Vault account are applied in the following order, from top to bottom:

- The account policy associated with the Vault account
- The account policy associated with the Vault's account group
- The global default account policy settings

If multiple account policies define a setting, then the value from the first applied policy is used.

# **Account Policies**

Add, view, and manage account policies.

#### **Add Account Policy**

Click Add to add an account policy.

## **Copy Account Policy**

Click Copy to copy an existing account policy.

#### **Edit Account Policy**

Click Edit to modify an existing account policy.

# **Add Account Policy**

Add a new account policy.

#### **Display Name**

Enter a name for the account policy.

#### Code Name

Set a code name for integration purposes. If you do not set a code name, Remote Support creates one automatically.

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# BeyondTrust

### Description

Enter a brief and memorable description of the account policy.

# **Permissions**

#### **Automatic Password Management**

#### **Scheduled Password Rotation Rules**

- Select **Allow** to schedule passwords for Vault accounts to automatically rotate when the password reaches a specified maximum age.
- Select Deny to disable scheduled password rotation for Vault accounts.

#### Maximum Password Age

If scheduled password rotation is enabled, specify the maximum number of days a password can be in place for Vault accounts before it is automatically rotated.

#### **Account Settings**

#### Automatically Rotate Credentials after Check In Rules

- Select Allow to automatically rotate passwords after a credential is checked in.
- Select Deny to disable the automatic rotation of passwords after a credential is checked in.

#### Allow Simultaneous Checkout Rules

- Select Allow to enable the ability for Vault credentials to be checked out simultaneously.
- Select **Deny** to disable the ability for Vault credentials to be checked out simultaneously.

**Note:** If a setting in an account policy is not defined, it inherits the settings from the global default account policy, configured from the **Vault > Options** page in /login.

# **Endpoints: Manage Discovered Endpoints**



**ENDPOINTS** 

# **Endpoints**

View information about all discovered endpoints, such as the name, hostname, operating system, domain, and distinguished name of the system, along with information about the accounts associated with those systems.

## Search Endpoints

Search for a specific endpoint or a group of endpoints based on Name, Hostname, Description, or Domain Name.

## Select Visible Columns

Click the Select Visible Columns button (columns icon) above the Endpoints grid and select the columns to display in the grid.

#### Accounts

View the number of accounts associated with each endpoint. Click the Accounts link to view the accounts associated with the system.

#### **Jump Items**

View the number of jump items associated with each endpoint. Click the **Jump Items** link to view the jump items associated with the system.

#### Services

View the number of Windows services associated with each endpoint. Click the **Services** link to view the services associated with the system.

#### Edit

Modify the endpoint's information, specifically Name, Description, and Hostname.

**Note:** If Windows services were discovered and imported into the Vault, any service used by the endpoint is listed and the user account that runs the service is indicated.

## Delete

Delete the endpoint from the Endpoints list.

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# Services: View and Manage Discovered Services

🔒 Vault	SERVICES
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## **Services**

View the list of services found during discovery along with their associated endpoints and accounts, as well as the last status for each service. You also have the option to restart the service upon rotation of the service account.

## **Search Account Groups**

Search for specific services or a group of services based on Short Name, Description, Endpoint (Hostname) or Username.

#### Restart

Check the Restart box for the service to have the service restarted when the account running the service is rotated.

#### Delete

Delete the service from the Services list.

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# **Domains: Add and Manage Domains**

# 🔂 Vault

DOMAINS

Add, view, and manage information about your domains.

# Domains

## Add Domain

Click Add to manually add a new domain to the Domains list.

## **Domain Name**

View the name of the domain.

#### Jumpoint

View the Jumpoint used to discover accounts and endpoints on the domain.

#### **Management Account**

View the management account associated with the Jumpoint and domain.

#### Discover

Click **Discover** to initiate the Jumpoint to scan and discover endpoints and accounts on the domain.

#### Edit

Click Edit to modify domain information.

#### Delete

Click Delete to delete this domain from the Domains list.

# Add or Edit Domain

#### **DNS Name**

Enter the DNS Name of the domain.

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#### Jumpoint

Choose an existing Jumpoint located within the environment you wish to discover accounts.

#### **Management Account**

Select the management account needed to initiate a discovery job for this domain. Choose to use a new account, which requires a **Username**, **Password**, and **Password Confirmation** to be entered. Or choose to use an existing account discovered from a previous job or added manually in the **Accounts** section.

# **Scheduled Domain Discovery**

Enable and configure domain discovery to run on a set schedule.

#### **Enable Scheduled Discovery**

Check the box to enable the **Discovery Schedule** options.

#### **Discovery Schedule**

Select the days of the week and the time for the discovery job to run.

#### **Discovery Scope**

Select the objects you wish Vault to discover:

- Domain Accounts
- Endpoints
- Local Accounts
- Services

You can enter a **Search Path**, or leave it blank to search all OUs and containers. You can also use an **LDAP Query** to narrow the scope of user accounts and endpoints searched.

# Options: Configure Global Default Account Policy Settings and Password Length for Account Rotation

Vault     OPTIONS
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# **Global Options**

Configure the settings for the global default account policy.

The global default account policy must define an option for each setting. If an account does not have a setting defined using a specific policy, it inherits the policy from the account group. If the account group does not have a setting defined using a specific policy, it inherits the policy from the global default account policy.

## **Automatic Password Management**

#### **Scheduled Password Rotation Rules**

- Select **Allow** to schedule passwords for Vault accounts to automatically rotate when the password reaches a specified maximum age.
- Select Deny to disable scheduled password rotation for Vault accounts.

#### Maximum Password Age

If scheduled password rotation is enabled, specify the maximum number of days a password can be in place for Vault accounts before it is automatically rotated.

## **Account Settings**

#### Automatically Rotate Credentials after Check In Rules

- Select Allow to automatically rotate passwords after a credential is checked in.
- Select Deny to disable the automatic rotation of passwords after a credential is checked in.

#### Allow Simultaneous Checkout Rules

- Select Allow to enable the ability for Vault credentials to be checked out simultaneously.
- Select Deny to disable the ability for Vault credentials to be checked out simultaneously.

# **Generated Passwords for Account Rotation**

Define the length of passwords generated during account rotation for domain and local accounts. You may set a minimum length of **20** characters and a maximum length of **256** characters.



## **Password Length**

Set the minimum and maximum number of characters allowed for the password generated during manual, automatic, and scheduled password rotation for accounts that are rotated through Windows API (non-Azure accounts).

## **Password Length of AADDS Accounts**

Set the minimum and maximum number of characters allowed for the password generated during password rotation of Azure Active Directory Domain Services (AADDS) accounts through MS Graph API.

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# **Rep Console**

# **Rep Console Settings: Manage Default Rep Console Settings**

Rep Console	REP CONSOLE SETTINGS

# Manage Representative Console Settings

You can configure the default representative console settings for your entire user base, applying a consistent representative console user experience and increasing team efficiency. You can force settings, allow settings to be overridden by the user, or leave settings unmanaged. If you select **Unmanaged**, the BeyondTrust default setting will be displayed alongside for your consideration.

Each **Enable** or **Disable** setting provides an administrative checkbox option to become a forced setting. Forced settings take effect on the user's next login and do not allow configuration in the console. Unforced settings may be overridden by a user through the settings window in the representative console.

For more information, please see <u>Change Settings and Preferences in the Representative Console</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/settings.htm</u>.

A forced setting cannot be overridden unless an administrator deselects the **Forced** checkbox option for that setting in the **/login** administrative interface.

Choose the settings you want to be the default for your users, and click the Save button at the bottom of the page.

Note that saved settings take effect only upon login to the console. Even if you save and apply the changes by clicking the **Apply Now** button at the top of the page, detailed later, the user will not use the new settings until login.

If, for instance, you wish to set up default settings for new users but leave existing users' settings unchanged, save your managed settings but do not apply them. This will make it so all new representative console logins will begin with your managed default settings. Existing users will have forced settings applied upon next login, but all other settings will remain unchanged.

## **Global Settings**

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#### Spell checking enabled

From the **Global Settings** section, you may choose to enable or disable spell check for chat and session notes. Currently, spell check is available for US English only.

#### Disable automatic session assignment on login

If automatic session assignment is disabled on login, then the user will not be assigned sessions automatically until they choose to opt in.



#### Configurable session side bar

Choose if you want the session menu icon to display, if the sidebar can be detached, and if the widgets on the session sidebar can be rearranged and resized.

#### **Quick Start Buttons**

For more information, please see <u>Representative Console User Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/representative-console-overview.htm.

Note: Use the Forced option to prevent support reps from overriding the managed defaults.

#### **Start Session**

Display a **Start** button at the top of the representative console. Clicking this button walks the user through the ways your customer can start a support session.

#### **Session Key**

At the top of the representative console, display a session key generation button.

#### **Support Buttons**

At the top of the representative console, display a button to launch the Support Button management interface.

#### Shell Jump

At the top of the representative console, display a button to launch a Shell Jump session.

#### Jump To

At the top of the representative console, display a button to launch a local or remote Jump session.

#### Intel® vPro

At the top of the representative console, display a button to launch access to a provisioned vPro Jumpoint.

#### RDP

At the top of the representative console, display a button to launch an RDP session.

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#### VNC

At the top of the representative console, display a button to launch a VNC session.

#### **Start Presentation**

At the top of the representative console, display a button to schedule or immediately start a new presentation.

#### Alerts

#### Audible alerts - Play a sound when a chat message is received

Choose if a sound should be played when the user receives a chat message. If unmanaged or if enabled and not forced, the user may designate a custom sound in WAV format no larger than 1MB.

#### Visual alerts - Flash the application icon when a chat message is received

Choose if the application icon should flash when the user receives a chat message.

#### Show status messages in support team chat windows

Choose if the team chat should include status messages, such as users logging in and out, or only chats sent between team members.

#### **Pop-up Notifications**

#### **Team Queues**

Choose if a user should receive a pop-up notification for chat messages received in a support team chat.

#### **Support Sessions**

Choose if a user should receive a pop-up notification for chat messages received in a support session

#### Audible alerts - Play a sound when a session enters any queue

Choose if a sound should be played when a session enters any of a user's queues.

#### Audible alerts - Play a sound when a session is overdue in team queues

Choose if a sound should be played when a session is overdue in a team queue.

#### Visual alerts - Flash the application icon when a session enters any queue

Choose if the application icon should flash when a session enters any of a user's queues.

#### Visual alerts - Flash the application icon when a session is overdue in team queues

Choose if the application icon should flash when a session is overdue in a team queue.

#### Prompt when new customer enters personal queue

Set if a user should be prompted when a session enters their personal queue.

#### **Pop-up Notifications**

Pop-up notifications appear independent of the representative console and on top of other windows. If the pop-up notification is enabled and not forced or left unmanaged, the user will be able to choose how they receive pop-up notifications.

#### Personal Queue - New Sessions, Transferred Sessions, Shared Sessions

Choose if a user should receive a pop-up notification for new sessions, transferred sessions, and/or shared sessions in this queue.

#### Team Queues - New Sessions, Transferred Sessions, Shared Sessions, Overdue Sessions

Choose if a user should receive a pop-up notification for new sessions, transferred sessions, shared sessions, and/or overdue sessions in this queue.

#### **Pop-up Behavior - Location and Duration**

Set the default location and duration for pop-up notifications.

#### Support Session Assignment Alerts

#### Audible alerts - Play a sound when a session is assigned

Choose if a sound should be played when a session is automatically assigned to a user.

#### **Expiring Assignment Sound**

Choose if a sound should be played when an automatically assigned session invitation is about to expire. The alert can be either an audio file or the system beep. If unmanaged or if enabled and not forced, the user may designate a custom sound in WAV format no larger than 1MB.

#### Support Sessions

#### Automatically request screen sharing

Choose whether you want your users' sessions to begin with chat only or to immediately request screen sharing.

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#### **Automatically detach**

Choose if you want to open sessions as tabs in the representative console or to automatically detach sessions into new windows.

#### Prompt to elevate if customer's secure desktop is enabled

For situations where users may encounter support issues due to a customer's having enabled secure desktop, you can allow your users to be prompted to elevate to run with administrative rights when the session begins.

#### **Default Quality**

Set the default quality for screen sharing sessions.

#### **Default Scaling**

Set the default size for screen sharing sessions.

#### Automatically enter full screen mode when screen sharing starts

When screen sharing starts, the user can automatically enter full screen mode.

#### Automatically collapse the sidebar when full screen mode is used

When the screen sharing session enters full screen mode, the chat bar can automatically collapse.

#### Show My Screen

#### Automatically minimize window when showing screen

When a user shows their screen to a customer during a session, you can choose to leave the representative console open or to minimize it to the user's taskbar.

#### **Command Shell**

#### Number of lines of available command history

You can set the number of lines to save in the command shell history. The default value is 500 lines.

#### Save

Click **Save** to save all of the profile settings you have configured. The confirmation message **Settings profile was successfully edited** will appear at the top of the page. All users who log in to the representative console after you save a new profile will receive the new settings as the default settings.

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# **Apply Representative Console Settings**

## **Apply Now**

If you wish to push the default settings to your entire user base, click **Apply Now**. The top of the page displays a confirmation message, **Settings profile was successfully applied**.

After applying new settings to your user base, the users will receive an alert dialog for confirmation when they first log in to the representative console after you apply the settings. The dialog warns them that their settings have changed and prompts them with the option simply to acknowledge the dialog or to open their representative console settings window to review the changes.

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# **Custom Links: Add URL Shortcuts to the Representative Console**

Prep Console

**CUSTOM LINKS** 

# **Custom Links**

Create links to sites your users can access during sessions. Examples could be a link to a searchable knowledge base, giving users a chance to look for a solution to the customer's issue, or a customer relationship management (CRM) system with escalation features. In this case, the link could open the CRM system to a page where the user could fill out an escalation form for a team that does not use BeyondTrust.

Links created here become available through the Links button on the representative console.

## Add, Edit, Delete

Create a new link, modify an existing link, or remove an existing link.

# Add or Edit Custom Link

#### Name

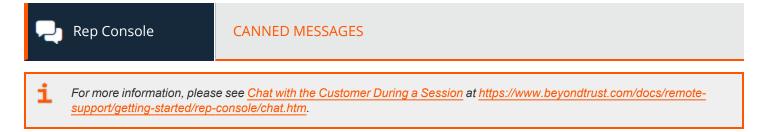
Create a unique name to help identify this link.

#### URL

Add the URL to which this custom link should direct. Use any of the macros listed below this field in the /login page to customize the text for your purposes.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

# **Canned Messages: Create Messages for Chat**



## **Canned Messages**

Create canned messages to be used in chat sessions. Using canned messages can decrease response time and help to standardize communication between representatives and customers. You can filter your view by selecting a category or team from the dropdown at the top of the page.

## Add, Edit, Delete

Create a new message, modify an existing message, or remove an existing message.

# Add or Edit Canned Message

#### Title

Create a unique name to help identify this message. This name should help representatives locate the message they wish to send.

#### Message

Create the text that will display in the customer chat. You can use BBCode to do some low level formatting, such as adding bold, colors, or hyperlinks. Click on **Supported BBCode Formatting** to display a list of codes and their resulting applications.



*Tip:* Messages should be relatively short so they can be viewed without much scrolling in the customer client windows. This applies to both the native client and click-to-chat modes.

## Category

Select the category under which this item should be listed.

## **Team Availability**

Select which support teams should be able to use this item.

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## **Canned Messages Categories**

#### Add, Edit, Delete

Create a new category, modify an existing category, or remove an existing category.

# Add or Edit Category

#### Name

Create a unique name to help identify this category. This name should help representatives locate the message they wish to send.

#### **Parent Category**

Optionally, select a parent category to nest categories.

#### **Child Categories**

View names of and links to any child categories.

#### Messages

View links to any messages in this category.

# Canned Scripts: Create Scripts for Screen Sharing or Command Shell Sessions

Rep Console

**CANNED SCRIPTS** 

# **Canned Scripts**

Create custom scripts to be used in screen sharing and command shell sessions. The script will be displayed in the screen sharing or command shell interface as it is being executed. Executing a script in the screen sharing interface displays the running script on the remote screen. The script will run in the context of the logged-in user when the session is not elevated, and it will run as the local system when the session is elevated. You can filter your view by selecting a category or team from the dropdown at the top of the page.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

For more information, please see <u>Access the Remote Command Shell</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/command-shell.htm.

#### Add, Edit, Delete

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Create a new script, modify an existing script, or remove an existing script.

# Add or Edit Canned Script

#### Script Name

Create a unique name to help identify this script. This name should help users locate the script they wish to run.

#### Description

Add a brief description to summarize the purpose of this script. This description is displayed on the prompt to confirm that the user wants to run the selected script.

#### **Command Sequence**

Write the command sequence. Scripts must be written in command line format, similar to writing a batch file or shell script. Note that only the last line of the script may be interactive; you cannot pause the script or prompt for input in the middle of the script.

Within the script, reference an associated resource file using "%RESOURCE\_FILE%", making sure to include the quotation marks. Please note that the command sequence is case sensitive.

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You can access the resource file's temporary directory using **%RESOURCE\_DIR%**. When you run a script with an associated resource file, that file will be temporarily uploaded to the customer's computer.

## **Team Availability**

Select which support teams should be able to use this item.

## Categories

Select the categories under which this item should be listed.

#### **Resource File**

You may select a resource file to be associated with this script.

## **Elevation Mode**

Select if this script should be available to run in elevated mode only, unelevated mode only, or both.

## Available In View-Only Screen Sharing as a Special Action

If this option is checked, this script may be run even when the user is allowed only to view and not control the remote computer. Note that when the user is in view-only screen sharing, the customer receives a prompt to allow the script to run.

**Note:** If the user is allowed to use canned scripts, all canned scripts are available in full-control screen sharing, regardless of whether this option is checked or unchecked.

For more information, please see <u>Screen Share with the Remote Customer for View and Control</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/screen-sharing.htm.</u>

# Categories

#### Add Category, Delete

Create a new category or remove an existing category.

## Resources

#### **Choose and Upload Resource**

Add any resource files you want to access from within your scripts. The maximum file size allowed is 250MB, with a maximum resource storage space of 1GB.

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## Delete

Remove an existing resource file.

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# **Special Actions: Create Custom Special Actions**

P Rep Console	SPECIAL ACTIONS
<b>1</b> For more information, please see <u>Screen Share with the Remote Customer for View and Control</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/screen-sharing.htm</u> .	

# **Special Actions**

Create custom special actions to speed your processes. Custom special actions can be created for Windows, Mac, and Linux systems.

## Add, Edit, Delete

Create a new action, modify an existing action, or remove an existing action.

# Add or Edit Special Action

## **Action Name**

Create a unique name to help identify this action. During a session, a user can see this name on the special actions dropdown.

#### Command

In the **Command** field, enter the full path of the application you wish to run. Do not use quotation marks; they will be added as necessary. Windows systems may make use of the macros provided. If the command cannot be located on the remote system, then this custom special action will not appear in the user's list of special actions.

## Arguments

If the provided command will accept command line arguments, you may enter those arguments next. Arguments may use quotation marks if necessary, and arguments for Windows systems may use the provided macros.

For help with Windows arguments, search for "command line switches" on docs.microsoft.com/en-us/.

## Confirm

If you check the **Confirm** box, then users will be prompted to confirm that they want to run this special action before it will execute. Otherwise, selecting the custom special action from the menu during a session will cause that special action to run immediately.

## **Run Elevated**

Checking this option causes this special action to appear only when the customer client is running in elevated mode. When you run a custom action in elevated mode, you will be prompted either to run it as the system user or to provide credentials for another valid account on the remote system.

# **Special Actions Settings**

## **Show Built-In Special Actions**

If you want to enable the default special actions provided by BeyondTrust, check **Show Built-In Special Actions**. Otherwise, to enable only your custom special actions, deselect this option.

**Note:** The **Windows Security (Ctrl-Alt-Del)** and **Power Control Options** special actions cannot be disabled. Also, disabling the built-in special actions will not disable the default special actions for mobile devices.

# **Users and Security**

# Users: Add User Permissions for a Representative or Admin

😤 Users & Security	USERS
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## **User Accounts**

View information about all users who have access to your B Series Appliance, including local users and those who have access through security provider integration.

## Add, Edit, Delete

Create a new account, modify an existing account, or remove an existing account. You cannot delete your own account.

## Search Users

Search for a specific user based on Last Authenticated As, Public Display Name, Private Display Name and Email Address.

## **Security Provider**

Select the security provider you want to search.

## Synchronize

Synchronize the users and groups associated with an external security provider. Synchronization occurs automatically once a day. Clicking this button forces a manual synchronization.

## Select Visible Columns

Use the dropdown menu to select which columns to display.

## **User Account Report**

Export detailed information about your users for auditing purposes. Gather detailed information for all users, users from a specific security provider, or just local users. Information collected includes data displayed under the "show details" button, plus group policy and team memberships and permissions.

# Add or Edit User

After making your edits, click Save to save your changes to this user.

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## Username

Unique identifier used to log in.

## **Display Names**

User's name as shown on the public site, in chats, etc. Users can use a public display name, for use with customers, and a private display name, for use in all internal communications.

## **Display Number**

Type a unique ID number or leave this field blank to automatically select the next available number. This number affects the order in which users are listed on the public site.

## Photo

Upload a photo to be used as a representative avatar, which is displayed in the customer client chat window and in the **/login** administrative interface. The image used must be in .png or .jpeg format, no more than 1 MiB in size, and with a minimum 80x80 pixel size. Click **Set Photo** to select an image. Set the image dimensions using the slider and the buttons **Fit in Box** and **Fill Entire Box**. When satisfied, click **Crop** to use it, or **Cancel**, if you do not wish to keep the image you just selected. Click **Change Photo** to select a new photo or **Delete Photo** to remove the avatar from this user.

The photo can also be changed or deleted from the /login > My Account page.

For more information, please see <u>Customer Client: Support Session Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-support-interface.htm.

## Email Address

Set the email address to which email notifications are sent, such as password resets or extended availability mode alerts.

## Preferred Email Language

If more than one language is enabled on this site, set the language in which to send emails.

## Password

Password used with the username to log in. The password may be set to whatever you choose, as long as the string complies with the defined policy set on the **/login > Management > Security** page.

## Must Reset Password at Next Login

If this option is selected, then the user must reset their password at next login.

## **Password Never Expires**

If this option is selected, the password never expires.

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## **Password Expiration Date**

Causes the password to expire on a given date.

## **Account Settings**

## Two Factor Authentication: Log in with an Authenticator app

Select whether the user is required to log in using an authenticator app, or has the option to do so (default setting). If **Required** is selected, the next time the user tries to login to either the administrative interface or the representative console, a screen displays requiring the activation of two-factor authentication.

For more information on 2FA, please see <u>How to Use Two Factor Authentication with BeyondTrust Remote Support</u> at <u>www.beyondtrust.com/docs/remote-support/how-to/2-factor-authentication/</u>.</u>

#### **Account Never Expires**

If this option is selected, the account never expires.

#### **Account Expiration Date**

Causes the account to expire on a given date.

#### Account Disabled

Disables the account so the user cannot log in. Disabling does NOT delete the account.

## Allowed to Change Their Display Names

Enables users to change their display names.

#### **Allowed to Change Their Photo**

Enables users to change their avatar photos, which display on the /login administrative interface and in the customer client chat window.

#### Allowed to Show on Public Site

Displays the user's name on all public sites that have the representative list enabled.

#### Comments

Add comments to help identify the purpose of this account.

## **General Permissions**

## Administration

#### Administrator

Grants the user full administrative rights.

#### Allowed to Administer Vault

Enables the user to manage all aspects of the BeyondTrust Vault add-on.

#### Allowed to Set Passwords

Enables the user to set passwords and unlock accounts for non-administrative local users.

#### **Allowed to Edit Jumpoints**

Enables the user to create or edit Jumpoints. This option does not affect the user's ability to access remote computers via Jumpoint, which is configured per Jumpoint or group policy.

#### Allowed to Edit Public Site

Enables the user to create and modify public site configurations, edit HTML templates, view the translation interface, etc.

#### **Allowed to Edit Customer Notices**

Enables the user to create and edit messages used to notify customers, as they are requesting support, of broadly impacting IT outages.

## Allowed to Edit File Store

Enables the user to add or remove files from the file store.

#### Allowed to Edit Canned Messages

Enables the user to create or edit canned chat messages.

## Allowed to Edit Support Teams

Enables the user to create or edit support teams.

## Allowed to Edit Jump Groups

Enables the user to create or edit Jump Groups.

#### Allowed to Edit Issues

Enables the user to create and edit issues.

#### Allowed to Edit Skills

Enables the user to create and edit skills.

#### **Allowed to Edit Support Button Profiles**

Enables the user to customize Support Button profiles.

#### **Allowed to Edit Canned Scripts**

Enables the user to create or edit canned scripts for use in screen sharing or command shell sessions.

#### Allowed to Edit Custom Rep Links

Enables the user to create or edit custom links.

#### **Allowed to Edit Access Sponsors**

Enables the user to create or edit access sponsor teams.

#### Allowed to Edit iOS Profiles

Enables the user to create, edit and upload Apple iOS Profile content for distribution to iOS device users.

#### Reporting

#### **Allowed to View Support Session Reports**

Enables the user to run reports on support session activity, viewing only sessions in which they were the primary representative, only sessions in which one of their teams was the primary team or one of their teammates was the primary representative, or all sessions.

#### Allowed to view support session recordings

Enables the user to view video recordings of screen sharing sessions, Show My Screen sessions, and command shell sessions.

#### Allowed to View License Usage Reports

Enables the user to run reports on BeyondTrust license usage.

#### **Allowed to View Vault Reports**

Enables the user to run reports on Vault activity, viewing all event data or only their event data.

#### **Allowed to View Presentation Session Reports**

Enables the user to run reports on presentation activity, viewing only presentations in which they were the presenter, only sessions in which one of their teammates was the presenter, or all presentations.

#### Allowed to View Support Session Recordings

Enables the user to view recordings of screen sharing sessions and command shell sessions. It does not affect presentation recordings.

#### Allowed to View License Usage Reports

Enables the user to view Representative License Report.

#### Allowed to View Syslog Reports

Enables the user to download a ZIP file containing all syslog files available on the appliance. Admins automatically have permissions to access this report. Non-admin users must request access to view this report.

#### **Representative Permissions**

#### Allowed to provide remote support

Enables the user to use the representative console in order to run support sessions. If support is enabled, options pertaining to remote support will also be available. Disable this setting for presentation-only users.

#### **Session Management**

#### Allowed to generate session keys for support sessions within the representative console

Enables the user to generate session keys to allow customers to start sessions with them directly.

For more information, please see <u>Generate a Session Key to Start a Support Session</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/session-keys.htm.

#### Allowed to generate access keys for sending iOS profiles

Enables the user to generate access keys to offer iOS content to iOS device users.

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For more information, please see Generate an Apple iOS Profile Access Key at <a href="https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/apple-ios-access-key-management-interface.htm">https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/apple-ios-access-key-management-interface.htm</a>.

#### Allowed to manually accept sessions from a team queue

Enables the user to select and start sessions that are in one of their team queues.

For more information, please see <u>Accept a Session to Start Support</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/accepting-a-session.htm.

#### Allowed to transfer sessions to teams which they do not belong to

Enables the user to transfer sessions to teams other than their own. If disabled, user interaction is restricted solely to the user's assigned teams.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

#### Allowed to share sessions with teams which they do not belong to

Enables the user to invite a less limited set of user to share sessions, not only their team members. Combined with the extended availability permission, this permission expands session sharing capabilities.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

#### Allowed to invite external support representatives

Enables the user to invite a third-party user to participate in a support session one time only.

For more information, please see <u>Invite an External Representative to Join a Session</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/rep-invite.htm.

#### Allowed to use the Get Next Session feature

Enables the user to start supporting the oldest queued session from all of their teams simply by clicking a button.

For more information, please see <u>Accept a Session to Start Support</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/accepting-a-session.htm.

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#### Allowed to enable extended availability mode

Enables the user to receive email invitations from other users requesting to share a session even when they are not logged into the representative console.

For more information, please see <u>Use Extended Availability to Stay Accessible When Not Logged In</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/extended-availability.htm.

#### Allowed to edit the external key

Enables the user to modify the external key from the session info pane of a session within the representative console.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

#### Equilibrium

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For more information, please see <u>Equilibrium for Automatic Session Routing guide</u> at https://www.beyondtrust.com/docs/remote-support/how-to/equilibrium/index.htm.

#### Allowed to opt out of session assignments

Enables the representative to mark himself or herself as unavailable for sessions to be assigned using Equilibrium.

#### Do not assign sessions if the representative is participating in at least

Sets the least number of sessions the representative must be supporting before sessions will no longer be automatically assigned using Equilibrium.

#### Do not assign sessions if the representative has been idle for at least

Sets the least amount of time the representative must have been idle before sessions will no longer be automatically assigned using Equilibrium.

#### **Rep to Rep Screen Sharing**

For more information, please see <u>Share your Screen with Another Representative</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/representative-screensharing.htm.

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#### Allowed to show screen to other representatives

Enables the user to share their screen with another user without the receiving user having to join a session. This option is available even if the user is not in a session.

#### Allowed to give control when showing screen to other representatives

Enables the user sharing their screen to give keyboard and mouse control to the user viewing their screen.

#### **Support Buttons**

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

#### Allowed to deploy and manage Support Buttons in personal queue

Enables the user to deploy and manage personal Support Buttons. This setting affects deploying Support Buttons from both the web interface and the representative console. To deploy a Support Button from within a session, the **Support Button Deployment** session permission must also be allowed.

#### Allowed to manage Team Support Buttons

Enable the user to modify the Support Buttons deployed to teams they are a member of. If the user is a team lead or manager, they can modify the personal Support Buttons of any team members as well.

For more information, please see <u>Manage Support Buttons</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u> started/rep-console/support-button-management-interface.htm.

#### Allowed to change the Public Portal associated with Support Buttons

Enables the user to set the public portal through which a Support Button should connect. Because session policies may be applied to public portals, changing the portal may affect the permissions allowed in the session.

#### Allowed to deploy Team Support Buttons

Enables the user to deploy team Support Buttons for teams they are a member of. This setting affects deploying Support Buttons from both the web interface and the representative console. To deploy a Support Button from within a session, the **Support Buttons Deployment** session permission must also be allowed.

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### Jump Technology

#### **Allowed Jump Methods**

Enables the user to Jump to computers using Jump Clients, Local Jump, Local VNC, Local RDP, Remote Jump, Remote VNC, Remote RDP, Shell Jump, and/or Intel vPro.

#### **Jump Item Roles**

A Jump Item Role is a predefined set of permissions regarding Jump Item management and usage. For each option, click the **Edit** button to open the Jump Item Role in a new tab.

The Default role is used only when Use User's Default is set for that user in a Jump Group.

The Personal role applies only to Jump Items pinned to the user's personal list of Jump Items.

The **Teams** role applies to Jump Items pinned to the personal list of Jump Items of a team member of a lower role. For example, a team manager can view team leads' and team members' personal Jump Items, and a team lead can view team members' personal Jump Items.

The **System** role applies to all other Jump Items in the system. For most users, this should be set to **No Access**. If set to any other option, the user is added to Jump Groups to which they would not normally be assigned, and in the representative console, they can see non-team members' personal lists of Jump Items.

For more information, please see <u>Use Jump Item Roles to Create Permission Sets for Jump Clients</u> at https://www.beyondtrust.com/docs/remote-support/how-to/jump-clients/jump-item-roles.htm.

#### Presentation

#### Allowed to give presentations

Enables the representative to give presentations to one or more attendees.

For more information, please see <u>Give a Presentation to Remote Attendees</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/presentation.htm.

#### Allowed to grant control to a presentation attendee

Enables the representative to grant control of their computer to an attendee during a presentation. This setting affects only presentations and does not impact the Show My Screen feature of a support session. Only one attendee at a time can have control. The representative always maintains overriding control.

For more information, please see <u>Presentation Attendee Client: Join a Presentation</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/customer-presentation-interface.htm.

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#### **Representative Console**

#### **Idle Timeout**

Set how long the representative can be idle before being logged out of the representative console. This permission can use the site-wide setting or can override that setting.

#### Attended and Unattended Session Permissions

#### **Session Policy**

Set the prompting and permission rules that should apply to this user's sessions. Choose an existing session policy or define custom permissions for this user. If **Not Defined**, the global default policy will be used. These permissions may be overridden by a higher policy.

#### Use the same permissions for Unattended sessions

To use the same permissions for both attended and unattended sessions, check **Use the same permissions for Unattended sessions**. Uncheck this box to define attended and unattended permissions separately. You can also copy the permissions from one to the other.

#### **Description**

View the description of a pre-defined session permission policy.

#### **Support Tool Prompting**

For more information, please see <u>Customer Client: Support Session Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-support-interface.htm.

#### **Prompting Rules**

Choose to ask the customer permission to use any of the support features below. Select **No Prompting** to never prompt, **Always Prompt** to always prompt, or **Prompt for Some Tools** to choose which permissions to prompt for. If **Prompt for Some Tools** is chosen, a **Prompt Customer** option will appear beside each tool with the options to **Never** prompt or to **Always** prompt. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Allowed to prompt once

If **Screen Sharing** is set to **View and Control** and prompting is enabled, this option appears. Check the box to make the screen sharing prompt request access to all tools during the session, with no further prompts.

#### **Prompting Options**

Set how long to wait for a response to a prompt before defaulting to the answer of **Deny** or **Allow**. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### **Screen Sharing**

#### **Screen Sharing Rules**

Enable the user to view or control the remote screen. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Screen Share with the Remote Customer for View and Control</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/screen-sharing.htm.

#### Allowed to show his/her screen to the customer

Enables the user to share their screen with the customer during a support session.

For more information, please see <u>Show My Screen</u>: <u>Reverse Screen Share</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/show-my-screen.htm.

#### **Allowed Customer Restrictions**

Set if the user can suspend the remote system's mouse and keyboard input. The user may also prevent the remote desktop from being displayed.

For more information, please see <u>Restricted Customer Interaction</u>: Privacy Screen, Disable Remote Input at https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/privacy-screen.htm.

#### **Application Sharing Prompt Behavior**

Set if a request for screen sharing should always or never prompt the customer to select applications to share, or if the user can choose whether to prompt for application sharing or not. Selecting **Always** or **Rep Decides** also allows you to predefine application sharing restrictions.

For more information, please see <u>Application Sharing: Limit What the Representative Can See</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/application-sharing.htm.

#### **Clipboard Synchronization Direction**

Select how clipboard content flows between representatives and end users. The options are:

- Not allowed: The representative is not allowed to use the clipboard, no clipboard icons display in the representative console, and cut and paste commands do not work.
- Allowed from Rep to Customer: The representative can push clipboard content to the customer but cannot paste from the end user's clipboard. Only the Send clipboard icon displays in the representative console.
- Allowed in Both Directions: Clipboard content can flow both ways. Both Push and Get clipboard icons display in the representative console.

*For more information about the Clipboard Synchronization Mode, please see "Security: Manage Security Settings" on page 224.* 

## **Browser Sharing**

#### **Browser Sharing Rules**

Enables the user to browse the same web page the customer is viewing without having control or seeing other applications. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Screen Share with the Remote Customer for View and Control</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/screen-sharing.htm.

#### Annotations

#### **Annotation Rules**

Enables the user to use annotation tools to draw on the remote system's screen. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

More more information, please see <u>Use Annotations to Draw on the Remote Screen</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/annotations.htm.

#### **File Transfer**

#### **File Transfer Rules**

Enables the user to upload files to the remote system, download files from the remote system, or both. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Accessible paths on customer's filesystem

Allow the user to transfer files to or from any directories on the remote system or only specified directories.

#### Accessible paths on representative's filesystem

Allow the user to transfer files to or from any directories on their local system or only specified directories.

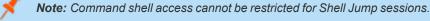
For more information, please see File Transfer to and from the Remote System at <a href="https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/file-transfer.htm">https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/file-transfer.htm</a>.

#### **Command Shell**

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#### **Command Shell Rules**

Enables the user to issue commands on the remote computer through a virtual command line interface. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.



For more information, please see <u>Access the Remote Command Shell</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/command-shell.htm.

#### System Information

#### **System Information Rules**

Enables the user to see system information about the remote computer. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Allowed to use system information actions

Enables the user to interact with processes and programs on the remote system without requiring screen sharing. Kill processes; start, stop, pause, resume, and restart services; and uninstall programs.

*For more information, please see <u>View Remote System Information</u> at <u>https://www.beyondtrust.com/docs/remote-</u> <u>support/getting-started/rep-console/system-info.htm</u>.* 

#### **Registry Access**

#### **Registry Access Rules**

Enables the user to interact with the registry on a remote Windows system without requiring screen sharing. View, add, delete and edit keys, search and import/export keys.

# BeyondTrust

For more information, please see <u>Access the Remote Registry Editor</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/registry-editor.htm.

## **Canned Scripts**

#### **Canned Script Rules**

Enables the user to run canned scripts that have been created for their teams. Note that when the user is in view-only screen sharing, the customer receives a prompt to allow the script to run. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Access the Remote Command Shell</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/command-shell.htm.

### Elevation

#### **Elevation Rules**

Enables the user to attempt to elevate the customer client to run with administrative rights on the remote system. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Elevate the Client</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-started/rep-</u> console/elevation.htm.

#### **Support Button Deployment**

#### **Support Button Deployment Rules**

Enables the user to deploy or remove a Support Button while in a session. Locations available for deployment depend on the Support Button settings above. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

## **Jump Clients Pinning/Unpinning**

#### **Jump Clients Pinning/Unpinning Rules**

Enables the user to pin or unpin a Jump Client while in a session. Locations available for deployment depend on the Jump Client settings above. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

#### Chat

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For more information, please see <u>Chat with the Customer During a Session</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/chat.htm.

#### **Chat Rules**

Enables the user to chat with the remote customer. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Allowed to push URLs to the customer's web browser

Enables the user to enter a URL into the chat area and then click the **Push URL** button to automatically open a web browser to that address on the remote computer.

#### Allowed to send files using the chat interface

Enables the user to send files via the chat interface.

For more information, please see <u>Customer Client: Support Session Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-support-interface.htm.

#### **Session Termination Behavior**

If unable to reconnect within the time you set by **Reconnect Timeout**, choose what action to take. To prevent an end-user from accessing unauthorized privileges after an elevated session, set the client to automatically log the end user out of the remote Windows computer at session end, to lock the remote computer, or to do nothing. These rules do not apply to browser sharing sessions.

#### Allow users to override this setting per session

You can allow a user to override the session termination setting from the Summary tab in the console during a session.

## **Availability Settings**

## **Full Support License Pool**

Choose the license pool to which this representative should belong. When this representative logs into the representative console, a license is consumed from the designated license pool. If **None** is selected, the representative will be able to log in to the representative console only if one or more licenses are left unassigned to license pools and are available.

#### Skills

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Designates the skills assigned to this user. When using skills match for Equilibrium, sessions will be assigned to the user best skilled to handle a particular issue.

For more information, please see <u>Assign Skills to Representatives</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-</u> to/equilibrium/assign-skills-rep.htm.

#### Login Schedule

#### Restrict representative log in to the following schedule

Set a schedule to define when users can log in to the representative console. Set the time zone you want to use for this schedule, and then add one or more schedule entries. For each entry, set the start day and time and the end day and time.

If, for instance, the time is set to start at 8 am and end at 5 pm, a user can log in at any time during this window but may continue to work past the set end time. They will not, however, be allowed to log back in after 5 pm.

#### Force logout when the schedule does not permit login

If stricter access control is required, check this option. This forces the user to log out at the scheduled end time. In this case, the user receives recurring notifications beginning 15 minutes prior to being disconnected. When the user is logged out, any owned sessions will follow the session fallback rules.

# User Accounts for Password Reset: Allow Reps to Administer User Passwords

😣 Users & Security

USERS

# **User Accounts**

Administrators can delegate, via user permission, the task of resetting local users' passwords and locked user accounts to another user, without also granting full administrator permissions. Local users may continue to reset their own passwords.

When a privileged non-administrative user enters the **Users & Security > Users** page in the administrative /login interface, they see a limited-view **Users** screen containing **Change Password** links for non-administrative users. The privileged user is not able to edit or delete user accounts. Privileged users are not allowed to reset administrator passwords, or the passwords of security provider users.

Note: Administrators with the Allowed to set passwords permission will see no difference in the user interface.

## Search Users

Search for a specific user based on Last Authenticated As, Public Display Name, Private Display Name and Email Address.

## Select Visible Columns

Use the dropdown menu to select which columns to display.

## Reset

If a user has one or more failed login attempts, click the Reset button beside their name to reset the number back to 0.

## **Change Password**

Change the password for a non-administrative user.

## **Change Password**

## Username

Unique identifier used to log in. This field is not editable.

## **Display Names**

User's name as shown on the public site, in chats, etc. Users can use a public display name, for use with customers, and a private display name, for use in all internal communications. This field is not editable.

## **Email Address**

The email address to which email notifications are sent, such as password resets or extended availability mode alerts. This field is not editable.

## Comments

Comments about the account. This field is not editable.

## Password

The new password to assign to this user account. The password may be set to whatever you choose, as long as the string complies with the defined policy set on the */login > Management > Security* page.

## **Email Password Reset Link to User**

Send the user an email containing a link to reset the password for their account. This feature requires valid <u>SMTP</u> configuration for your B Series Appliance, set up on the *l*login > Management > Email Configuration page.

## Must Reset Password at Next Login

If this option is selected, then the user must reset their password at next login.

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# Rep Invite: Create Profiles to Invite External Representatives to Sessions

🔐 Users & Security

**REP INVITE** 

# **Rep Invitation Email**

With rep invite, a privileged user can invite an external user to join a session one time only. The invitation email is sent when you invite the external rep to a session.

## Select a public site to edit

From the dropdown at the top of the page, select the public site for which you want to edit the rep invitation email.

## Subject

Customize the subject of this email. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

## Body

Customize the body of this email. Use any of the macros listed below this field in the /login page to customize the text for your purposes. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

For more information, please see <u>Invite an External Representative to Join a Session</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/rep-invite.htm.

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# Security Providers: Enable LDAP, Active Directory, RADIUS, Kerberos, SAML for Reps, and SAML for Public Portals

😣 Users & Security

SECURITY PROVIDERS

## **Security Providers**

You can configure your BeyondTrust Appliance B Series to authenticate users against existing LDAP, RADIUS, Kerberos, or SAML servers, as well as to assign privileges based on the pre-existing hierarchy and group settings already specified in your servers. Kerberos enables single sign-on, while RSA and other two-factor authentication mechanisms via RADIUS provide an additional level of security.

## Add

Create a new security provider configuration. From the dropdown, select LDAP, RADIUS, Kerberos, SAML for Representatives, or SAML for Public Portals.

## Change Order

Click this button to drag and drop security providers to set their priority. You can drag and drop servers within a cluster; clusters can be dragged and dropped as a whole. Click **Save Order** for prioritization changes to take effect.

## Sync

Synchronize the users and groups associated with an external security provider. Synchronization occurs automatically once a day. Clicking this button forces a manual synchronization.

## Disable

Disable this security provider connection. This is useful for scheduled maintenance, when you want a server to be offline but not deleted.

## **View Log**

View the status history for a security provider connection.

## Edit, Delete

Modify an existing provider or remove an existing provider.

**Note:** If you edit the local security provider and select a default policy that does not have administrator permissions, a warning message appears. Ensure other users have administrator permissions before proceeding.

## **Duplicate Node**

Create a copy of an existing clustered security provider configuration. This will be added as a new node in the same cluster.

## **Upgrade to Cluster**

Upgrade a security provider to a security provider cluster. To add more security providers to this cluster, copy an existing node.

## Сору

Create a copy of an existing security provider configuration. This will be added as a top-level security provider and not as part of a cluster.

# Add or Edit Security Provider: LDAP

#### Name

Create a unique name to help identify this provider.

## Enabled

If checked, your BeyondTrust Appliance B Series can search this security provider when a user attempts to log in to the representative console or **/login**. If unchecked, this provider will not be searched.

## **User Authentication**

This allows this provider to be used to authenticate users. If disabled, this provider may be used only to look up groups for user permissions.

## Keep user information synchronized with the LDAP server

The display names are set according to the **User Schema Settings** defined below. If you are planning to sync a user's photo attribute, this option must be checked.

## **Authorization Settings**

## Synchronization: Enable LDAP object cache

If checked, LDAP objects visible to the B Series Appliance are cached and synchronized nightly, or manually, if desired. When using this option, fewer connections are made to the LDAP server for administrative purposes, thereby potentially increasing speed and efficiency.

If unchecked, changes to the LDAP server are immediately available without the need to synchronize. However, when you make changes on user policies through the administrative interface, several short-lived LDAP connections may occur as necessary.

For providers that have previously had the synchronization setting enabled, disabling the synchronization option will cause all cached records that are currently not in use to be deleted.

## Lookup Groups

Choose to use this security provider only for user authentication, only for group lookups, or for both. **User Authentication** must be selected if you want to turn group lookup off.

#### Default Group Policy (Visible Only if User Authentication Allowed)

Each user who authenticates against an external server must be a member of at least one group policy in order to authenticate to your B Series Appliance, logging into either the /login interface or the representative console. You can select a default group policy to apply to all users allowed to authenticate against the configured server.

**Note:** If a default policy is defined, then any allowed user who authenticates against this server will potentially have access at the level of this default policy. Therefore, it is recommended that you set the default to a policy with minimum privileges to prevent users from gaining permissions that you do not wish them to have.

**Note:** If a user is in a default group policy and is then specifically added to another group policy, the settings for the specific policy will always take precedence over the settings for the default, even if the specific policy is a lower priority than the default, and even if the default policy's settings are set to disallow override.

#### Connection Settings (Not Visible for Clusters)

#### Hostname

Enter the hostname of the server that houses your external directory store.

**Note:** If you will be using **LDAPS** or **LDAP** with **TLS**, the hostname must match the hostname used in your LDAP server's public SSL certificate's subject name or the DNS component of its alternate subject name.

## Port

Specify the port for your LDAP server. This is typically port **389** for LDAP or port **636** for LDAPS. BeyondTrust also supports global catalog over port **3268** for LDAP or **3269** for LDAPS.

## Encryption

Select the type of encryption to use when communicating with the LDAP server. For security purposes, **LDAPS** or **LDAP with TLS** is recommended.

**Note:** Regular LDAP sends and receives data in clear text from the LDAP server, potentially exposing sensitive user account information to packet sniffing. Both LDAPS and LDAP with TLS encrypt user data as it is transferred, making these methods

SALES: www.beyondtrust.com/contact SUPPORT: www.beyondtrust.com/support DOCUMENTATION: www.beyondtrust.com/docs

recommended over regular LDAP. LDAP with TLS uses the StartTLS function to initiate a connection over clear text LDAP but then elevates this to an encrypted connection. LDAPS initiates the connection over an encrypted connection without sending any data in clear text whatsoever.

If you select LDAPS or LDAP with TLS, you must upload the Root SSL Certificate used by your LDAP server. This is necessary to ensure the validity of the server and the security of the data. The Root Certificate must be in PEM format.

**Note:** If the LDAP server's public SSL certificate's subject name or the DNS component of its alternate subject name does not match the value in the **Hostname** field, the provider will be treated as unreachable. You can, however, use a wildcard certificate to certify multiple subdomains of the same site. For example, a certificate for **\*.example.com** would certify both **support.example.com** and **remote.example.com**.

## **Bind Credentials**

Specify a username and password with which your B Series Appliance can bind to and search the LDAP directory store.

If your server supports anonymous binds, you may choose to bind without specifying a username and password. Anonymous binding is considered insecure and is disabled by default on most LDAP servers.

## **Connection Method**

If you are using an external directory store in the same LAN as your BeyondTrust Appliance B Series, the two systems may be able to communicate directly, in which case you can leave the option **Proxy from appliance through the Connection Agent** unchecked and move on.

If the two systems are unable to communicate directly, such as if your external directory server is behind a firewall, you must use a connection agent. Downloading the Win32 connection agent enables your directory server and your B Series Appliance to communicate via an SSL-encrypted, outbound connection, with no firewall configuration. The connection agent can be downloaded to either the directory server or a separate server on the same network as your directory server (recommended).

In the case above, check **Proxy from appliance through the Connection Agent**. Create a **Connection Agent Password** for use in the connection agent installation process. Then click **Download Connection Agent**, run the installer, and follow the installation wizard. During installation, you will be prompted to enter the security provider name and the connection agent password you created above.

## Directory Type (Not Visible for Clusters)

To aid in configuring the network connection between your B Series Appliance and your security provider, you can select a directory type as a template. This pre-populates the configuration fields below with standard data but must be modified to match your security provider's specific configuration. Active Directory LDAP is the most common server type, though you can configure BeyondTrust to communicate with most types of security providers.

Cluster Settings (Visible Only for Clusters)

## **Member Selection Algorithm**

Select the method to search the nodes in this cluster.

**Top-to-bottom** first attempts the server with the highest priority in the cluster. If that server is unavailable or the account is not found, the next highest priority server is attempted. The search moves down through the list of clustered servers until either the account is found or it is determined that the account does not exist on any of the specified and available servers.

**Round-robin** is designed to balance the load between multiple servers. The algorithm chooses at random which server to attempt first. If that server is unavailable or the account is not found, another random server is attempted. The search continues at random through the remaining servers in the cluster until either the account is found or it is determined that the account does not exist on any of the specified and available servers.

#### **Retry Delay**

Set how long to wait after a cluster member becomes unavailable before trying that cluster member again.

## **User Schema Settings**

#### Override Cluster Values (Visible Only for Cluster Nodes)

If this option is unchecked, this cluster node will use the same schema settings as the cluster. If checked, you may modify the schema settings below.

#### Search Base DN

Determine the level in your directory hierarchy, specified by a distinguished name, at which the B Series Appliance should begin searching for users. Depending on the size of your directory store and the users who require BeyondTrust accounts, you may improve performance by designating the specific organizational unit within your directory store that requires access. If you are not sure or if users span multiple organizational units, you may want to specify the root distinguished name of your directory store.

#### **User Query**

Specify the query information that the B Series Appliance should use to locate an LDAP user when the user attempts to log in. The **User Query** field accepts a standard LDAP query (RFC 2254 - String Representation of LDAP Search Filters). You can modify the query string to customize how your users log in and what methods of usernames are accepted. To specify the value within the string that should act as the username, replace that value with \*.

#### **Browse Query**

The browse query affects how results are displayed when browsing via group policies. This filters results so that only certain results display in the member selection dropdown when adding members to a group policy.

#### **Object Classes**

Specify valid object classes for a user within your directory store. Only users who posses one or more of these object classes will be permitted to authenticate. These object classes are also used with the attribute names below to indicate to your B Series Appliance the schema the LDAP server uses to identify users. You can enter multiple object classes, one per line.

## **Attribute Names**

Specify which fields should be used for a user's unique ID and display names.

# BeyondTrust

## **Unique ID**

This field requests a unique identifier for the object. While the distinguished name can serve as this ID, a user's distinguished name may change frequently over the life of the user, such as with a name or location change or with the renaming of the LDAP store. Therefore, most LDAP servers incorporate some field that is unique per object and does not change for the lifetime of the user. If you do use the distinguished name as the unique ID and a user's distinguished name changes, that user will be seen as a new user, and any changes made specifically to the individual's BeyondTrust user account will not be carried over to the new user. If your LDAP server does not incorporate a unique identifier, use a field that is least likely to have an identical entry for another user.

## E-Mail

The email attribute synchronizes the user's email address from LDAP. Please note that the special ? and ! characters cannot be used.

#### Photo

This field allows you to configure LDAP providers to synchronize representative photos from LDAP. By default, the settings template for Active Directory, Novell eDirectory, and OpenLDAP all use the **\*:jpegPhoto** attribute. Administrators can modify the attribute as necessary. If no attribute is specified, then no photos are retrieved from LDAP.

Photos in LDAP must be stored as a JPEG images, either as raw binary data or as Base64-encoded data. BeyondTrust Remote Support automatically detects the encoding and decodes it as needed.

### Use the same attribute for public and private display names

If this option is checked, you may specify separate values for the user's private and public display names.

## **Display Names**

These values determine which fields should be used as the user's private and public display names.

#### Group Schema Settings (Visible Only if Performing Group Lookups)

## Search Base DN

Determine the level in your directory hierarchy, specified by a distinguished name, at which the B Series Appliance should begin searching for groups. Depending on the size of your directory store and the groups that require access to the B Series Appliance, you may improve performance by designating the specific organizational unit within your directory store that requires access. If you are not sure or if groups span multiple organizational units, you may want to specify the root distinguished name of your directory store.

#### **Browse Query**

The browse query affects how results are displayed when browsing via group policies. This filters results so that only certain results display in the member selection dropdown when adding members to a group policy.

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## **Object Classes**

Specify valid object classes for a group within your directory store. Only groups that posses one or more of these object classes will be returned. These object classes are also used with the attribute names below to indicate to your B Series Appliance the schema the LDAP server uses to identify groups. You can enter multiple group object classes, one per line.

## **Attribute Names**

Specify which fields should be used for a group's unique ID and display name.

## **Unique ID**

This field requests a unique identifier for the object. While the distinguished name can serve as this ID, a group's distinguished name may change frequently over the life of a group, such as with a location change or with the renaming of the LDAP store. Therefore, most LDAP servers incorporate some field that is unique per object and does not change for the lifetime of the group. If you do use the distinguished name as the unique ID and a group's distinguished name changes, that group will be seen as a new group, and any group policies defined for that group will not be carried over to the new group. If your LDAP server does not incorporate a unique identifier, use a field that is least likely to have an identical entry for another group.

## **Display Name**

This value determines which field should be used as the group's display name.

## **User to Group Relationships**

#### **Relationships**

This field requests a query to determine which users belong to which groups or, conversely, which groups contain which users.

#### Perform recursive search for groups

You can choose to perform a recursive search for groups. This will run a query for a user, then queries for all of the groups to which that user belongs, then queries for all groups to which those groups belong, and so forth, until all possible groups associated with that user have been found.

Running a recursive search can have a significant impact on performance, as the server will continue to issue queries until it has found information about all groups. If it takes too long, the user may be unable to log in.

A non-recursive search will issue only one query per user. If your LDAP server has a special field containing all of the groups to which the user belongs, recursive search is unnecessary. Recursive search is also unnecessary if your directory design does not handle group members of groups.

## **Test Settings**

### **Username and Password**

Enter a username and password for an account that exists on the server you are testing. This account must match the criteria for login specified in the configuration above.

## Try to obtain user attributes and group memberships if the credentials are accepted

If this option is checked, your successful credential test will also attempt to check user attributes and group lookup.

Note: For these features to be successfully tested they must be supported and configured in your security provider.

#### Test

If your server is properly configured and you have entered a valid test username and password, you will receive a success message. Otherwise, you will see an error message and a log that will help in debugging the problem.

For more information, please see Create and Configure the LDAP Security Provider at https://www.beyondtrust.com/docs/remote-support/how-to/integrations/security-providers/ldap-users/configure-settings.htm.

## Add or Edit Security Provider: RADIUS

#### Name

Create a unique name to help identify this provider.

## Enabled

If checked, your BeyondTrust Appliance B Series can search this security provider when a user attempts to log in to the representative console or **/login**. If unchecked, this provider will not be searched.

#### Keep display name synchronized with remote system

These values determine which fields should be used as the user's private and public display names.

## **Authorization Settings**

#### Only allow the following users

You can choose to allow access only to specified users on your RADIUS server. Enter each username separated by a line break. Once entered, these users will be available from the Add Policy Member dialog when editing group policies on the /login > Users & Security

#### > Group Policies page.

If you leave this field blank, all users who authenticate against your RADIUS server will be allowed; if you allow all, you must also specify a default group policy.

#### **Default Group Policy**

Each user who authenticates against an external server must be a member of at least one group policy in order to authenticate to your B Series Appliance, logging into either the /login interface or the representative console. You can select a default group policy to apply to all users allowed to authenticate against the configured server.

## LDAP Group Lookup

If you want users on this security provider to be associated with their groups on a separate LDAP server, choose one or more LDAP group servers to use for group lookup.

## **Connection Settings**

#### Hostname

Enter the hostname of the server that houses your external directory store.

#### Port

Specify the authentication port for your RADIUS server. This is typically port 1812.

#### **Timeout (seconds)**

Set the length of time to wait for a response from the server. Note that if the response is **Response-Accept** or **Response-Challenge**, then RADIUS will wait the entire time specified here before authenticating the account. Therefore, it is encouraged to keep this value as low as reasonably possible given your network settings. An ideal value is 3-5 seconds, with the maximum value at three minutes.

#### **Connection Method**

If you are using an external directory store in the same LAN as your BeyondTrust Appliance B Series, the two systems may be able to communicate directly, in which case you can leave the option **Proxy from appliance through the Connection Agent** unchecked and move on.

If the two systems are unable to communicate directly, such as if your external directory server is behind a firewall, you must use a connection agent. Downloading the Win32 connection agent enables your directory server and your B Series Appliance to communicate via an SSL-encrypted, outbound connection, with no firewall configuration. The connection agent can be downloaded to either the directory server or a separate server on the same network as your directory server (recommended).

In the case above, check **Proxy from appliance through the Connection Agent**. Create a **Connection Agent Password** for use in the connection agent installation process. Then click **Download Connection Agent**, run the installer, and follow the installation wizard. During installation, you will be prompted to enter the security provider name and the connection agent password you created above.

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## **Shared Secret**

Provide a new shared secret so your B Series Appliance and your RADIUS server can communicate.

Cluster Settings (Visible Only for Clusters)

## **Member Selection Algorithm**

Select the method to search the nodes in this cluster.

**Top-to-bottom** first attempts the server with the highest priority in the cluster. If that server is unavailable or the account is not found, the next highest priority server is attempted. The search moves down through the list of clustered servers until either the account is found or it is determined that the account does not exist on any of the specified and available servers.

**Round-robin** is designed to balance the load between multiple servers. The algorithm chooses at random which server to attempt first. If that server is unavailable or the account is not found, another random server is attempted. The search continues at random through the remaining servers in the cluster until either the account is found or it is determined that the account does not exist on any of the specified and available servers.

## **Retry Delay**

Set how long to wait after a cluster member becomes unavailable before trying that cluster member again.

## **Test Settings**

#### **Username and Password**

Enter a username and password for an account that exists on the server you are testing. This account must match the criteria for login specified in the configuration above.

## Try to obtain user attributes and group memberships if the credentials are accepted

If this option is checked, your successful credential test will also attempt to check user attributes and group lookup.

Note: For these features to be successfully tested they must be supported and configured in your security provider.

#### Test

If your server is properly configured and you have entered a valid test username and password, you will receive a success message. Otherwise, you will see an error message and a log that will help in debugging the problem.

For more information, please see <u>Create and Configure the RADIUS Security Provider</u> at https://www.beyondtrust.com/docs/remote-support/how-to/integrations/security-providers/radius/configure-settings.htm.

## Add or Edit Security Provider: Kerberos

#### Name

Create a unique name to help identify this provider.

## Enabled

If checked, your BeyondTrust Appliance B Series can search this security provider when a user attempts to log in to the representative console or */login*. If unchecked, this provider will not be searched.

## Keep display name synchronized with remote system

These values determine which fields should be used as the user's private and public display names.

## Strip realm from principal names

Select this option to remove the REALM portion from the User Principal Name when constructing the BeyondTrust username.

## **Authorization Settings**

## **User Handling Mode**

Select which users can authenticate to your BeyondTrust Appliance B Series. **Allow all users** allows anyone who currently authenticates via your Key Distribution Center (KDC). **Allow only user principals specified in the list** allows only user principles explicitly designated. **Allow only user principals that match the regex** allows only users principals who match a Perl-compatible regular expression (PCRE).

## **Default Group Policy**

Each user who authenticates against an external server must be a member of at least one group policy in order to authenticate to your B Series Appliance, logging into either the /login interface or the representative console. You can select a default group policy to apply to all users allowed to authenticate against the configured server.

## **SPN Handling Mode**

## Allow only SPNs specified in the list

If unchecked, all configured service principal names (SPNs) for this security provider are allowed. If checked, select specific SPNs from a list of currently configured SPNs.

## LDAP Group Lookup

If you want users on this security provider to be associated with their groups on a separate LDAP server, choose one or more LDAP group servers to use for group lookup.

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For more information, please see Configure the BeyondTrust Appliance B Series for Kerberos Authentication at https://www.beyondtrust.com/docs/remote-support/how-to/integrations/security-providers/kerberos-configuration/index.htm.

## Add or Edit Security Provider: SAML For Representatives

#### Name

The name for your SAML provider is auto-generated and cannot be edited at this time.

## Enabled

If checked, your BeyondTrust Appliance B Series can search this security provider when a user attempts to log in to the representative console or **/login**. If unchecked, this provider will not be searched.

## **Identity Provider Settings**

#### Metadata

The metadata file contains all the information needed for the initial setup of your SAML provider and must be downloaded from your identity provider. Save the xml file, and then click **Upload Identity Provider Metadata** to select and upload the selected file.

## **Entity ID**

Unique identifier for the identity provider you are using.

## **Server Certificate**

This certificate will be used to verify the signature of the assertion sent from the identity provider.

**Note:** The fields for **Entity ID**, **Single Sign-On Service URL**, and **Certificate** are automatically populated from the identity provider's metadata file. If you cannot get a metadata file from your provider, this information can be entered manually.

## Single Sign-On Service URL

When you want to log in to BeyondTrust using SAML, this is the URL where you are automatically redirected so you can log in.

## **SSO URL Protocol Binding**

Determines whether a user posts or is redirected to the sign on URL. This should be left defaulted to redirect unless otherwise required by the identity provider.

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## **Service Provider Settings**

### **Download Service Provider Metadata**

Download the BeyondTrust metadata, which must then be uploaded to your identity provider.

#### **Entity ID**

This is your BeyondTrust URL. It uniquely identifies the service provider.

#### **Private Key**

If necessary, you can decrypt messages sent by the identity provider, if they support and require encryption. Click **Choose File** to upload the private key necessary to decrypt the messages sent from the identity provider.

## **User Attribute Settings**

SAML attributes are used to provision users within BeyondTrust. The default values match BeyondTrust-certified applications with various identity providers. If you are creating your own SAML connector, you may need to modify the attributes to match what is being sent by your identity provider. If your identity provider requires case-insensitivity for the NameID attribute, select **Use case-insensitive comparison for NameIDs**.

## **Authorization Settings**

#### **Group Lookup Attribute Name**

This is the SAML attribute that contains the names of groups to which users should belong. The default name for the BeyondTrust applications is "Groups".

#### Delimiter

If the attribute value contains multiple group names, you need to specify the delimiter used to separate their names. If the delimiter is left blank, then the attribute value may contain multiple XML nodes with each one containing a different name.

#### **Available Groups**

Allows a predefined list of groups to be associated with the security provider. This list can then be used to associate a group with the appropriate group policy.

## **Default Group Policy**

Select the default group to which users will be assigned. Users will be assigned settings defined in the default group policy only if they do not belong to another group policy that defines those settings.

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For more information, please see <u>SAML for Single Sign-On Authentication</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/how-to/integrations/security-providers/saml/index.htm.

# Add or Edit Security Provider: SAML For Public Portals

## Name

The name for your SAML provider is auto-generated and cannot be edited at this time.

## Enabled

If checked, your BeyondTrust Appliance B Series can search this security provider when a user attempts to log in to the public portal. If unchecked, this provider will not be searched.

## **Identity Provider Settings**

## Metadata

The metadata file contains all the information needed for the initial setup of your SAML provider and must be downloaded from your identity provider. Save the xml file, and then click **Upload Identity Provider Metadata** to select and upload the selected file.

## **Entity ID**

Unique identifier for the identity provider you are using.

## **Server Certificate**

This certificate will be used to verify the signature of the assertion sent from the identity provider.

**Note:** The fields for **Entity ID**, **Single Sign-On Service URL**, and **Certificate** are automatically populated from the identity provider's metadata file. If you cannot get a metadata file from your provider, this information can be entered manually.

## Single Sign-On Service URL

When you want to log in to BeyondTrust using SAML, this is the URL where you are automatically redirected so you can log in.

## **SSO URL Protocol Binding**

Determines whether a user posts or is redirected to the sign on URL. This should be left defaulted to redirect unless otherwise required by the identity provider.

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## **Service Provider Settings**

### **Download Service Provider Metadata**

Download the BeyondTrust metadata, which must then be uploaded to your identity provider.

#### **Entity ID**

This is your BeyondTrust URL. It uniquely identifies the service provider.

#### **Private Key**

If necessary, you can decrypt messages sent by the identity provider, if they support and require encryption. Click **Choose File** to upload the private key necessary to decrypt the messages sent from the identity provider.

## **User Attribute Settings**

SAML attributes are used to provision users within BeyondTrust. The default values match BeyondTrust-certified applications with various identity providers. If you are creating your own SAML connector, you may need to modify the attributes to match what is being sent by your identity provider. The SAML attributes can also be associated with customer sessions by adding custom fields with matching code names on the **Custom Fields** page in */login*.

For more information, please see <u>SAML for Single Sign-On Authentication</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/how-to/integrations/security-providers/saml/index.htm.

# **Session Policies: Set Session Permission and Prompting Rules**

🐣 Users & Security

SESSION POLICIES

# **Session Policies**

With session policies, you can customize session security permissions to fit specific scenarios. Session policies can be applied to users, public sites, and all Jump Items.

For more information, please see <u>How to Use Support Session Policies</u> at <u>www.beyondtrust.com/docs/remote-support/how-</u> to/session-policies/.

The **Session Policies** section lists available policies. Click the arrow by a policy name to quickly see where that policy is being used; its availability for users, rep invites, and Jump Clients; the support tools configured; and the prompting configured.

# Add, Edit, Delete

Create a new policy, modify an existing policy, or remove an existing policy.

# Сору

To expedite the creation of similar policies, click **Copy** to create a new policy with identical settings. You can then edit this new policy to meet your specific requirements.

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# Add or Edit Session Policy

After making your edits, click Save to make this policy available.

# **Display Name**

Create a unique name to help identify this policy. This name helps when assigning a session policy to users, public portals, and Jump Clients.

# Code Name

Set a code name for integration purposes. If you do not set a code name, one is created automatically.

# Description

Add a brief description to summarize the purpose of this policy. The description is seen when applying a policy to user accounts, group policies, and rep invites.

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# Availability

# Users

Choose if this policy should be available to assign to users (user accounts and group policies).

# **Rep Invite**

Choose if this policy should be available for users to select when inviting an external user to join a session.

# Jump Items

Choose if this policy should be available to assign to Jump Items.

# Dependencies

If this session policy is already in use, you will see the number of users, public portals, and Jump Clients using this policy.

# Permissions

For all of the permissions that follow, you can choose to enable or disable the permission, or you can choose to set it to **Not Defined**. Session policies are applied to a session in a hierarchical manner, with Jump Clients taking the highest priority, then support portals, then users, and then the global default. If multiple policies apply to a session, then the policy with the highest priority will take precedence over the others. If, for example, the policy applied to a Jump Client defines a permission, then no other policies may change that permission for the session. To make a permission available for a lower policy to define, leave that permission set to **Not Defined**.

For details and examples, see <u>How to Use Support Session Policies</u> at <u>www.beyondtrust.com/docs/remote-support/how-</u> to/session-policies/.

Set which tools should be enabled or disabled with this policy, as well as which tools should prompt the customer for permission.

# **Support Tool Prompting**

For more information, please see <u>Customer Client: Support Session Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-support-interface.htm.

# **Prompting Rules**

Choose to ask the customer permission to use any of the support features below. Select **No Prompting** to never prompt, **Always Prompt** to always prompt, or **Prompt for Some Tools** to choose which permissions to prompt for. If **Prompt for Some Tools** is chosen, a **Prompt Customer** option will appear beside each tool with the options to **Never** prompt or to **Always** prompt. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

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#### Allowed to prompt once

If **Screen Sharing** is set to **View and Control** and prompting is enabled, this option appears. Check the box to make the screen sharing prompt request access to all tools during the session, with no further prompts.

#### **Prompting Options**

Set how long to wait for a response to a prompt before defaulting to the answer of **Deny** or **Allow**. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### **Screen Sharing**

#### **Screen Sharing Rules**

Enable the user to view or control the remote screen. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Screen Share with the Remote Customer for View and Control</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/screen-sharing.htm.

#### Allowed to show his/her screen to the customer

Enables the user to share their screen with the customer during a support session.

For more information, please see <u>Show My Screen: Reverse Screen Share</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/show-my-screen.htm.

#### **Allowed Customer Restrictions**

Set if the user can suspend the remote system's mouse and keyboard input. The user may also prevent the remote desktop from being displayed.

For more information, please see <u>Restricted Customer Interaction: Privacy Screen, Disable Remote Input</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/privacy-screen.htm.

#### **Application Sharing Prompt Behavior**

Set if a request for screen sharing should always or never prompt the customer to select applications to share, or if the user can choose whether to prompt for application sharing or not. Selecting **Always** or **Rep Decides** also allows you to predefine application sharing restrictions.

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For more information, please see <u>Application Sharing: Limit What the Representative Can See</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/application-sharing.htm.

#### **Clipboard Synchronization Direction**

Select how clipboard content flows between representatives and end users. The options are:

- Not allowed: The representative is not allowed to use the clipboard, no clipboard icons display in the representative console, and cut and paste commands do not work.
- Allowed from Rep to Customer: The representative can push clipboard content to the customer but cannot paste from the end user's clipboard. Only the Send clipboard icon displays in the representative console.
- Allowed in Both Directions: Clipboard content can flow both ways. Both Push and Get clipboard icons display in the representative console.

For more information about the Clipboard Synchronization Mode, please see "Security: Manage Security Settings" on page 224.

## **Browser Sharing**

#### **Browser Sharing Rules**

Enables the user to browse the same web page the customer is viewing without having control or seeing other applications. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Screen Share with the Remote Customer for View and Control</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/screen-sharing.htm.

### Annotations

### **Annotation Rules**

Enables the user to use annotation tools to draw on the remote system's screen. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

More more information, please see <u>Use Annotations to Draw on the Remote Screen</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/annotations.htm.

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# File Transfer

#### **File Transfer Rules**

Enables the user to upload files to the remote system, download files from the remote system, or both. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Accessible paths on customer's filesystem

Allow the user to transfer files to or from any directories on the remote system or only specified directories.

#### Accessible paths on representative's filesystem

Allow the user to transfer files to or from any directories on their local system or only specified directories.

For more information, please see <u>File Transfer to and from the Remote System</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/file-transfer.htm</u>.

# **Command Shell**

#### **Command Shell Rules**

Enables the user to issue commands on the remote computer through a virtual command line interface. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

**Note:** Command shell access cannot be restricted for Shell Jump sessions.

For more information, please see <u>Access the Remote Command Shell</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/command-shell.htm.

### System Information

#### **System Information Rules**

Enables the user to see system information about the remote computer. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Allowed to use system information actions

Enables the user to interact with processes and programs on the remote system without requiring screen sharing. Kill processes; start, stop, pause, resume, and restart services; and uninstall programs.

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For more information, please see <u>View Remote System Information</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/system-info.htm.

# **Registry Access**

#### **Registry Access Rules**

Enables the user to interact with the registry on a remote Windows system without requiring screen sharing. View, add, delete and edit keys, search and import/export keys.

For more information, please see <u>Access the Remote Registry Editor</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/registry-editor.htm.

## **Canned Scripts**

#### **Canned Script Rules**

Enables the user to run canned scripts that have been created for their teams. Note that when the user is in view-only screen sharing, the customer receives a prompt to allow the script to run. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Access the Remote Command Shell</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/command-shell.htm.

### Elevation

#### **Elevation Rules**

Enables the user to attempt to elevate the customer client to run with administrative rights on the remote system. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Elevate the Client</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-started/rep-</u> console/elevation.htm.

# Support Button Deployment

#### **Support Button Deployment Rules**

Enables the user to deploy or remove a Support Button while in a session. Locations available for deployment depend on the Support Button settings above. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher

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priority policy.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

# Jump Clients Pinning/Unpinning

#### **Jump Clients Pinning/Unpinning Rules**

Enables the user to pin or unpin a Jump Client while in a session. Locations available for deployment depend on the Jump Client settings above. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

#### Chat

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For more information, please see <u>Chat with the Customer During a Session</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/chat.htm.

#### **Chat Rules**

Enables the user to chat with the remote customer. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Allowed to push URLs to the customer's web browser

Enables the user to enter a URL into the chat area and then click the **Push URL** button to automatically open a web browser to that address on the remote computer.

#### Allowed to send files using the chat interface

Enables the user to send files via the chat interface.

For more information, please see <u>Customer Client: Support Session Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-support-interface.htm.

# **Session Termination Behavior**

If unable to reconnect within the time you set by **Reconnect Timeout**, choose what action to take. To prevent an end-user from accessing unauthorized privileges after an elevated session, set the client to automatically log the end user out of the remote Windows computer at

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session end, to lock the remote computer, or to do nothing. These rules do not apply to browser sharing sessions.

#### Allow users to override this setting per session

You can allow a user to override the session termination setting from the Summary tab in the console during a session.

# **Export Policy**

You can export a session policy from one site and import those permissions into a policy on another site. Edit the policy you wish to export and scroll to the bottom of the page. Click **Export Policy** and save the file.

# **Import Policy**

You may import those policy settings to any other BeyondTrust site that supports session policy import. Create a new session policy and scroll to the bottom of the page. Browse to the policy file and then click **Import Policy**. Once the policy file is uploaded, the page will refresh, allowing you to make modifications. Click **Save Policy** to make the policy available.

# **Session Policy Simulator**

Because layering policies can be complex, you can use the **Session Policy Simulator** to determine what the outcome will be. Additionally, you could use the simulator to troubleshoot why a permission is not available when you expected it to be.

# Representative

Start by selecting the user performing the session. This dropdown includes user accounts and rep invite policies.

# **Session Start Method**

Select the session start method to use for this simulation.

# **Public Portal**

If you selected Public Portal, choose the public portal to use for this simulation of a customer-initiated session.

# **Support Button**

If you selected **Support Button**, search for a deployed Support Button by profile, associated public portal, associated queue, computer name, or description. The associated public portal will be automatically selected above.

# Jumpoint or Local Jump

Because local Jumps and Jumpoints are always associated with the default public portal, there are no further settings to define.

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# Jump Client, Local Jump Shortcut, Remote Jump Shortcut, Local VNC Jump Shortcut, Remote VNC Jump Shortcut, Remote RDP Jump Shortcut, Local RDP Jump Shortcut, Shell Jump Shortcut, Intel® vPro Shortcut

Search for a pinned Jump Client or Jump Shortcut by name, comments, Jump Group, tag, or associated public portal. The associated public portal will be automatically selected above.

# **Customer Present**

If you selected Jump Client, you can choose whether the customer should appear as present or not.

### Simulate

Click **Simulate**. In the area below, the permissions configurable by session policy are displayed in read-only mode. You can see which permissions are allowed or denied as a result of the stacked policies, as well as which policy set each permission.

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# Group Policies: Apply User Permissions to Groups of Users

😤 Users & Security

**GROUP POLICIES** 

# **Group Policies**

The Group Policies page enables you to set up groups of users who will share common privileges.

# Add New Policy, Edit, Delete

Create a new policy, modify an existing policy, or remove an existing policy.

**Note:** If you edit the group policy that is the default for the local provider, or has local administrator users, and remove administrator permissions, a warning message appears. Ensure other users have administrator permissions before proceeding.

# Change Order

Click the **Change Order** button to drag and drop group policies to set their priority. Click **Save Order** for prioritization changes to take effect. When multiple policies apply to a given user, the permissions take effect by starting at the top of the **Group Policies** list, and then moving down the list. If a permission conflicts with a permission applied by a group policy higher in the list, then the lower permission will overwrite the higher, unless the higher was set as **Final**. In short, group policies that appear lower in the list have a higher functional priority than those that are higher.

# **Search Group Policies**

To quickly find an existing policy in the list of **Group Policies**, enter the name, or part of the name. The list filters to all policies with a name containing the entered search term. The list remains filtered until the search term is removed, even if the user goes to other pages or logs out. To remove the search term, click the **X** to the right of the search box.

If you click the **Change Order** button after searching the list, all group policies appear. You can drag and drop group policies to set their priority. When you click **Save Order**, the changes take effect and the list returns to policies with a name containing the entered search term.

# Expand All / Collapse All

To assist with searching and navigating the group policies, click the **Expand All** link above the grid to expand the details of all listed group policies. Click **Collapse All** to return to the unexpanded list of group polices.

# Сору

To expedite the creation of similar policies, click **Copy** to create a new policy with identical settings. You can then edit this new policy to meet your specific requirements.

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# Add or Edit Policy

After making your edits, click Save to save your changes to this group policy.

# Policy Name

Create a unique name to help identify this policy.

# **Available Members and Policy Members**

To assign members, select a member from the **Available Members** list and click **Add** to move it to the **Policy Members** box. Use the **Search** box to find existing members.

You can select users from your local system, or select users or entire groups from configured security providers. To add users or groups from an external directory store such as LDAP, RADIUS, or Kerboros, you must first configure the connection on the **/login > Users &** Security > Security Providers page. If an attempt to add a user from a configured security provider is invalid, the synchronization log error message appears here as well as in the log.

# **Account Settings**

# Which account settings should this Group Policy control?

Decide if a setting should be **Defined** within this policy. If it is, you can select **Final** to prevent other policies of a lower priority from overriding the permission value set by this policy. Select **All** to define all settings in this section.

# Two Factor Authentication: Log in with an Authenticator app

Select whether the user is required to log in using an authenticator app, or has the option to do so (default setting). If **Required** is selected, the next time the user tries to login to either the administrative interface or the representative console, a screen displays requiring the activation of two-factor authentication.

For more information on 2FA, please see <u>How to Use Two Factor Authentication with BeyondTrust Remote Support</u> at www.beyondtrust.com/docs/remote-support/how-to/2-factor-authentication/.

# Account Expiration: Account Never Expires

If this option is selected, the account never expires.

# Account Expiration: Account Expiration Date

Causes the account to expire on a given date.

# Account Enablement: Account Disabled

Disables the account so the user cannot log in. Disabling does NOT delete the account.

## **Display Name Editing: Allowed to Change Their Display Names**

Enables users to change their display names.

## Photo Editing: Allowed to Change Their Photo

Enables users to change their avatar photos, which display on the /login administrative interface and in the customer client chat window.

### Showing on Public Site: Allowed to Show on Public Site

Displays the user's name on all public sites that have the representative list enabled.

#### Comments

Add comments to help identify the purpose of this account.

### **General Permissions**

### Which general settings should this Group Policy control?

Decide if a setting should be **Defined** within this policy. If it is, you can select **Final** to prevent other policies of a lower priority from overriding the permission value set by this policy. Select **All** to define all settings in this section.

### Administration

#### Administrative Privileges: Administrator

Grants the user full administrative rights.

### Vault Administrative Privileges: Allowed to Administer Vault

Enables the user to manage all aspects of the BeyondTrust Vault add-on.

#### **Password Setting: Allowed to Set Passwords**

Enables the user to set passwords and unlock accounts for non-administrative local users.

### **Jumpoint Editing: Allowed to Edit Jumpoints**

Enables the user to create or edit Jumpoints. This option does not affect the user's ability to access remote computers via Jumpoint, which is configured per Jumpoint or group policy.

## Public Site Editing: Allowed to Edit Public Site

Enables the user to create and modify public site configurations, edit HTML templates, view the translation interface, etc.

### **Customer Notice Editing: Allowed to Edit Customer Notices**

Enables the user to create and edit messages used to notify customers, as they are requesting support, of broadly impacting IT outages.

### File Store Editing: Allowed to Edit File Store

Enables the user to add or remove files from the file store.

#### Canned Message Editing: Allowed to Edit Canned Messages

Enables the user to create or edit canned chat messages.

### Support Team Editing: Allowed to Edit Support Teams

Enables the user to create or edit support teams.

#### Jump Group Editing: Allowed to Edit Jump Groups

Enables the user to create or edit Jump Groups.

#### **Issue Editing: Allowed to Edit Issues**

Enables the user to create and edit issues.

### **Skill Editing: Allowed to Edit Skills**

Enables the user to create and edit skills.

### Support Button Profile Editing: Allowed to Edit Support Button Profiles

Enables the user to customize Support Button profiles.

### **Canned Script Editing: Allowed to Edit Canned Scripts**

Enables the user to create or edit canned scripts for use in screen sharing or command shell sessions.

### Custom Rep Link Editing: Allowed to Edit Custom Rep Links

Enables the user to create or edit custom links.

### Access Sponsor Editing: Allowed to Edit Access Sponsors

Enables the user to create or edit access sponsor teams.

### iOS Profile Editing: Allowed to Edit iOS Profiles

Enables the user to create, edit and upload Apple iOS Profile content for distribution to iOS device users.

# Reporting

### Session and Team Report Access: Allowed to View Support Session Reports

Enables the user to run reports on support session activity, viewing only sessions in which they were the primary representative, only sessions in which one of their teams was the primary team or one of their teammates was the primary representative, or all sessions.

### Session and Team Report Access: Allowed to view support session recordings

Enables the user to view video recordings of screen sharing sessions, Show My Screen sessions, and command shell sessions.

#### License Usage Report Access: Allowed to View License Usage Reports

Enables the user to run reports on BeyondTrust license usage.

#### Vault Report Access: Allowed to View Vault Reports

Enables the user to run reports on Vault activity, viewing all event data or only their event data.

### **Presentation Report Access: Allowed to View Presentation Session Reports**

Enables the user to run reports on presentation activity, viewing only presentations in which they were the presenter, only sessions in which one of their teammates was the presenter, or all presentations.

### Allowed to View Support Session Recordings

Enables the user to view recordings of screen sharing sessions and command shell sessions. It does not affect presentation recordings.

#### Allowed to View License Usage Reports

Enables the user to view Representative License Report.

#### Syslog Report Access: Allowed to View Syslog Reports

Enables the user to download a ZIP file containing all syslog files available on the appliance. Admins automatically have permissions to access this report. Non-admin users must request access to view this report.

# **Representative Permissions**

### Allowed to provide remote support

Enables the user to use the representative console in order to run support sessions. If support is enabled, options pertaining to remote support will also be available. Disable this setting for presentation-only users.

#### **Session Management**

#### Allowed to generate session keys for support sessions within the representative console

Enables the user to generate session keys to allow customers to start sessions with them directly.

For more information, please see <u>Generate a Session Key to Start a Support Session</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/session-keys.htm.

#### Allowed to generate access keys for sending iOS profiles

Enables the user to generate access keys to offer iOS content to iOS device users.

For more information, please see <u>Generate an Apple iOS Profile Access Key</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/apple-ios-access-key-management-interface.htm.

#### Allowed to manually accept sessions from a team queue

Enables the user to select and start sessions that are in one of their team queues.

For more information, please see <u>Accept a Session to Start Support</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/accepting-a-session.htm.

#### Allowed to transfer sessions to teams which they do not belong to

Enables the user to transfer sessions to teams other than their own. If disabled, user interaction is restricted solely to the user's assigned teams.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

#### Allowed to share sessions with teams which they do not belong to

Enables the user to invite a less limited set of user to share sessions, not only their team members. Combined with the extended availability permission, this permission expands session sharing capabilities.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

#### Allowed to invite external support representatives

Enables the user to invite a third-party user to participate in a support session one time only.

For more information, please see <u>Invite an External Representative to Join a Session</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/rep-invite.htm.</u>

#### Allowed to use the Get Next Session feature

Enables the user to start supporting the oldest queued session from all of their teams simply by clicking a button.

For more information, please see <u>Accept a Session to Start Support</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/accepting-a-session.htm.

#### Allowed to enable extended availability mode

Enables the user to receive email invitations from other users requesting to share a session even when they are not logged into the representative console.

For more information, please see <u>Use Extended Availability to Stay Accessible When Not Logged In</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/extended-availability.htm.

#### Allowed to edit the external key

Enables the user to modify the external key from the session info pane of a session within the representative console.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.



## Equilibrium

For more information, please see <u>Equilibrium for Automatic Session Routing guide</u> at https://www.beyondtrust.com/docs/remote-support/how-to/equilibrium/index.htm.

#### Allowed to opt out of session assignments

Enables the representative to mark himself or herself as unavailable for sessions to be assigned using Equilibrium.

#### Do not assign sessions if the representative is participating in at least

Sets the least number of sessions the representative must be supporting before sessions will no longer be automatically assigned using Equilibrium.

#### Do not assign sessions if the representative has been idle for at least

Sets the least amount of time the representative must have been idle before sessions will no longer be automatically assigned using Equilibrium.

#### **Rep to Rep Screen Sharing**

For more information, please see <u>Share your Screen with Another Representative</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/representative-screensharing.htm.

#### Allowed to show screen to other representatives

Enables the user to share their screen with another user without the receiving user having to join a session. This option is available even if the user is not in a session.

#### Allowed to give control when showing screen to other representatives

Enables the user sharing their screen to give keyboard and mouse control to the user viewing their screen.

#### Support Buttons

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

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#### Allowed to deploy and manage Support Buttons in personal queue

Enables the user to deploy and manage personal Support Buttons. This setting affects deploying Support Buttons from both the web interface and the representative console. To deploy a Support Button from within a session, the **Support Button Deployment** session permission must also be allowed.

#### Allowed to manage Team Support Buttons

Enable the user to modify the Support Buttons deployed to teams they are a member of. If the user is a team lead or manager, they can modify the personal Support Buttons of any team members as well.

For more information, please see <u>Manage Support Buttons</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u> started/rep-console/support-button-management-interface.htm.

#### Allowed to change the Public Portal associated with Support Buttons

Enables the user to set the public portal through which a Support Button should connect. Because session policies may be applied to public portals, changing the portal may affect the permissions allowed in the session.

#### Allowed to deploy Team Support Buttons

Enables the user to deploy team Support Buttons for teams they are a member of. This setting affects deploying Support Buttons from both the web interface and the representative console. To deploy a Support Button from within a session, the **Support Buttons Deployment** session permission must also be allowed.

#### Jump Technology

#### **Allowed Jump Methods**

Enables the user to Jump to computers using Jump Clients, Local Jump, Local VNC, Local RDP, Remote Jump, Remote VNC, Remote RDP, Shell Jump, and/or Intel vPro.

#### **Jump Item Roles**

A Jump Item Role is a predefined set of permissions regarding Jump Item management and usage. For each option, click the **Edit** button to open the Jump Item Role in a new tab.

The Default role is used only when Use User's Default is set for that user in a Jump Group.

The **Personal** role applies only to Jump Items pinned to the user's personal list of Jump Items.

The **Teams** role applies to Jump Items pinned to the personal list of Jump Items of a team member of a lower role. For example, a team manager can view team leads' and team members' personal Jump Items, and a team lead can view team members' personal Jump Items.

The **System** role applies to all other Jump Items in the system. For most users, this should be set to **No Access**. If set to any other option, the user is added to Jump Groups to which they would not normally be assigned, and in the representative console, they can see non-team members' personal lists of Jump Items.

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For more information, please see <u>Use Jump Item Roles to Create Permission Sets for Jump Clients</u> at https://www.beyondtrust.com/docs/remote-support/how-to/jump-clients/jump-item-roles.htm.

### Presentation

#### Allowed to give presentations

Enables the representative to give presentations to one or more attendees.

For more information, please see <u>Give a Presentation to Remote Attendees</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/presentation.htm.

#### Allowed to grant control to a presentation attendee

Enables the representative to grant control of their computer to an attendee during a presentation. This setting affects only presentations and does not impact the Show My Screen feature of a support session. Only one attendee at a time can have control. The representative always maintains overriding control.

For more information, please see <u>Presentation Attendee Client: Join a Presentation</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/customer-presentation-interface.htm.

### **Representative Console**

#### **Idle Timeout**

Set how long the representative can be idle before being logged out of the representative console. This permission can use the site-wide setting or can override that setting.

# Attended and Unattended Session Permissions

### Attended and Unattended Session Policies

#### **Session Policy**

Set the prompting and permission rules that should apply to this user's sessions. Choose an existing session policy or define custom permissions for this user. If **Not Defined**, the global default policy will be used. These permissions may be overridden by a higher policy.

#### Use the same permissions for Unattended sessions

To use the same permissions for both attended and unattended sessions, check **Use the same permissions for Unattended sessions**. Uncheck this box to define attended and unattended permissions separately. You can also copy the permissions from one to the other.

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# Description

View the description of a pre-defined session permission policy.

# **Support Tool Prompting**

For more information, please see <u>Customer Client: Support Session Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-support-interface.htm.

## **Prompting Rules**

Choose to ask the customer permission to use any of the support features below. Select **No Prompting** to never prompt, **Always Prompt** to always prompt, or **Prompt for Some Tools** to choose which permissions to prompt for. If **Prompt for Some Tools** is chosen, a **Prompt Customer** option will appear beside each tool with the options to **Never** prompt or to **Always** prompt. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Allowed to prompt once

If **Screen Sharing** is set to **View and Control** and prompting is enabled, this option appears. Check the box to make the screen sharing prompt request access to all tools during the session, with no further prompts.

### **Prompting Options**

Set how long to wait for a response to a prompt before defaulting to the answer of **Deny** or **Allow**. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

# Screen Sharing

### **Screen Sharing Rules**

Enable the user to view or control the remote screen. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Screen Share with the Remote Customer for View and Control</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/screen-sharing.htm.

#### Allowed to show his/her screen to the customer

Enables the user to share their screen with the customer during a support session.

For more information, please see <u>Show My Screen: Reverse Screen Share</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/show-my-screen.htm.



#### **Allowed Customer Restrictions**

Set if the user can suspend the remote system's mouse and keyboard input. The user may also prevent the remote desktop from being displayed.

For more information, please see <u>Restricted Customer Interaction: Privacy Screen, Disable Remote Input</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/privacy-screen.htm.

#### **Application Sharing Prompt Behavior**

Set if a request for screen sharing should always or never prompt the customer to select applications to share, or if the user can choose whether to prompt for application sharing or not. Selecting **Always** or **Rep Decides** also allows you to predefine application sharing restrictions.

For more information, please see <u>Application Sharing: Limit What the Representative Can See</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/application-sharing.htm.

#### **Clipboard Synchronization Direction**

Select how clipboard content flows between representatives and end users. The options are:

- Not allowed: The representative is not allowed to use the clipboard, no clipboard icons display in the representative console, and cut and paste commands do not work.
- Allowed from Rep to Customer: The representative can push clipboard content to the customer but cannot paste from the end user's clipboard. Only the Send clipboard icon displays in the representative console.
- Allowed in Both Directions: Clipboard content can flow both ways. Both Push and Get clipboard icons display in the representative console.

For more information about the Clipboard Synchronization Mode, please see "Security: Manage Security Settings" on page 224.

#### **Browser Sharing**

#### **Browser Sharing Rules**

Enables the user to browse the same web page the customer is viewing without having control or seeing other applications. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Screen Share with the Remote Customer for View and Control</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/screen-sharing.htm.

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## Annotations

#### **Annotation Rules**

Enables the user to use annotation tools to draw on the remote system's screen. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

More more information, please see <u>Use Annotations to Draw on the Remote Screen</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/annotations.htm.

## File Transfer

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#### **File Transfer Rules**

Enables the user to upload files to the remote system, download files from the remote system, or both. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Accessible paths on customer's filesystem

Allow the user to transfer files to or from any directories on the remote system or only specified directories.

#### Accessible paths on representative's filesystem

Allow the user to transfer files to or from any directories on their local system or only specified directories.

For more information, please see File Transfer to and from the Remote System at <a href="https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/file-transfer.htm">https://www.beyondtrust.com/docs/remote-support/getting-started/rep-console/file-transfer.htm</a>.

### **Command Shell**

#### **Command Shell Rules**

Enables the user to issue commands on the remote computer through a virtual command line interface. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

**Note:** Command shell access cannot be restricted for Shell Jump sessions.

For more information, please see <u>Access the Remote Command Shell</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/command-shell.htm.

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# **System Information**

#### **System Information Rules**

Enables the user to see system information about the remote computer. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

#### Allowed to use system information actions

Enables the user to interact with processes and programs on the remote system without requiring screen sharing. Kill processes; start, stop, pause, resume, and restart services; and uninstall programs.

For more information, please see <u>View Remote System Information</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/system-info.htm.

### **Registry Access**

#### **Registry Access Rules**

Enables the user to interact with the registry on a remote Windows system without requiring screen sharing. View, add, delete and edit keys, search and import/export keys.

For more information, please see <u>Access the Remote Registry Editor</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/registry-editor.htm.

# **Canned Scripts**

#### **Canned Script Rules**

Enables the user to run canned scripts that have been created for their teams. Note that when the user is in view-only screen sharing, the customer receives a prompt to allow the script to run. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.



For more information, please see <u>Access the Remote Command Shell</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/command-shell.htm.

## Elevation

#### **Elevation Rules**

Enables the user to attempt to elevate the customer client to run with administrative rights on the remote system. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Elevate the Client</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-started/rep-</u> console/elevation.htm.

#### Support Button Deployment

#### **Support Button Deployment Rules**

Enables the user to deploy or remove a Support Button while in a session. Locations available for deployment depend on the Support Button settings above. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

# **Jump Clients Pinning/Unpinning**

#### **Jump Clients Pinning/Unpinning Rules**

Enables the user to pin or unpin a Jump Client while in a session. Locations available for deployment depend on the Jump Client settings above. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

For more information, please see <u>Support Session Overview and Tools</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/support-session-overview.htm.

#### Chat

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For more information, please see <u>Chat with the Customer During a Session</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/chat.htm.

#### **Chat Rules**

Enables the user to chat with the remote customer. If **Not Defined**, this option will be set by the next lower priority policy. This setting may be overridden by a higher priority policy.

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#### Allowed to push URLs to the customer's web browser

Enables the user to enter a URL into the chat area and then click the **Push URL** button to automatically open a web browser to that address on the remote computer.

#### Allowed to send files using the chat interface

Enables the user to send files via the chat interface.

For more information, please see <u>Customer Client: Support Session Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-support-interface.htm.

#### **Session Termination Behavior**

If unable to reconnect within the time you set by **Reconnect Timeout**, choose what action to take. To prevent an end-user from accessing unauthorized privileges after an elevated session, set the client to automatically log the end user out of the remote Windows computer at session end, to lock the remote computer, or to do nothing. These rules do not apply to browser sharing sessions.

#### Allow users to override this setting per session

You can allow a user to override the session termination setting from the Summary tab in the console during a session.

# **Availability Settings**

#### Which availability settings should this Group Policy control?

Decide if a setting should be **Defined** within this policy. If it is, you can select **Final** to prevent other policies of a lower priority from overriding the permission value set by this policy. Select **All** to define all settings in this section.

#### **Full Support License Pool**

Choose the license pool to which this representative should belong. When this representative logs into the representative console, a license is consumed from the designated license pool. If **None** is selected, the representative will be able to log in to the representative console only if one or more licenses are left unassigned to license pools and are available.

#### Login Schedule

#### Restrict representative log in to the following schedule

Set a schedule to define when users can log in to the representative console. Set the time zone you want to use for this schedule, and then add one or more schedule entries. For each entry, set the start day and time and the end day and time.

If, for instance, the time is set to start at 8 am and end at 5 pm, a user can log in at any time during this window but may continue to work past the set end time. They will not, however, be allowed to log back in after 5 pm.

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#### Force logout when the schedule does not permit login

If stricter access control is required, check this option. This forces the user to log out at the scheduled end time. In this case, the user receives recurring notifications beginning 15 minutes prior to being disconnected. When the user is logged out, any owned sessions will follow the session fallback rules.

# **Memberships**

# Which membership settings should this Group Policy control?

Decide if a setting should be **Defined** within this policy. If it is, you can select **Final** to prevent other policies of a lower priority from overriding the permission value set by this policy. Select **All** to define all settings in this section.

# Add Support Teams Membership

Search for teams to which members of this group policy should belong. You can set the role as **Team Member**, **Team Lead**, or **Team Manager**. These roles play a significant part in the **Dashboard** feature of the representative console. Click **Add**.

Added teams are shown in a table. You can edit the role of members in a team or delete the team from the list.

## **Remove Support Teams Membership**

Search for teams from which members of this group policy should be removed, and then click **Add**. Removed teams are shown in a table. You can delete a team from the list.

### Add Jumpoint Membership

Search for Jumpoints which members of this group policy should be allowed to access, and then click **Add**. Added Jumpoints are shown in a table. You can delete a Jumpoint from the list.

# **Remove Jumpoint Memberships**

Search for Jumpoints from which members of this group policy should not be removed, and then click **Add**. Removed Jumpoints are shown in a table. You can delete a Jumpoint from the list.

# Add Jump Group Memberships

Search for Jump Groups to which members of this group policy should belong. You can set each user's <u>Jump Item Role</u> to set their permissions specific to Jump Items in this Jump Group, or you can use the user's default Jump Item Roles set in this group policy or on the **Users & Security > Users** page. A Jump Item Role is a predefined set of permissions regarding Jump Item management and usage.

For more information see <u>Jump Item Roles: Configure Permission Sets for Jump Items</u> at <u>www.beyondtrust.com/docs/remote-support/getting-started/admin/jump-item-roles.htm</u>.

You can also apply a Jump Policy to manage user access to the Jump Items in this Jump Group.

Added Jump Groups are shown in a table. You can edit a Jump Group's settings or delete the Jump Group from the list.

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# **Remove Jump Group Memberships**

Search for Jump Groups from which members of this group policy should be removed, and then click **Add**. Removed Jump Groups are shown in a table. You can delete a Jump Group from the list.

# Add Vault Account Memberships

Search for an account, select the **Vault Account Role**, and then click **Add** to grant members of the policy access to the selected Vault account. Users may have memberships added by other group policies. View **Vault > Accounts** to see all members within each group. Users may be assigned one of two roles for using the Vault account:

- Inject (default value): Users with this role can use this account in Remote Support sessions.
- Inject and Checkout: Users with this role can use this account in Remote Support sessions and can check out the account on /login. The Checkout permission has no affect on generic SSH accounts.

**Note:** Enable the **Add Vault Account Membership** permission to assign a **Vault Account Role** to a Vault account in a group policy. The **Vault Account Role** is visible in the list of accounts added to the group policy.

# Add Vault Account Group Memberships

Search for an account group, select the **Vault Account Role**, and then click **Add** to grant members of the policy access to the group of Vault accounts. Users may have memberships added by other group policies. View **Vault > Accounts** to see all members within each group. Users may be assigned one of two roles for using the group of Vault accounts:

- Inject (default value): Users with this role can use this account in Remote Support sessions.
- Inject and Checkout: Users with this role can use this account in Remote Support sessions and can check out the account on /login. The Checkout permission has no affect on generic SSH accounts.

**Note:** Enable the **Add Vault Account Group** permission to assign a **Vault Account Role** to a group of Vault accounts in a group policy. The **Vault Account Role** is visible in the list of account groups added to the group policy.

# **Export Policy**

You can export a group policy from one site and import those permissions into a policy on another site. Edit the policy you wish to export and scroll to the bottom of the page. Click **Export Policy** and save the file.

**Note:** When exporting a group policy, only the policy name, account settings, and permissions are exported. Policy members, team memberships, and Jumpoint memberships are not included in the export.

# **Import Policy**

You may import exported group policy settings to any other BeyondTrust site that supports group policy import. Create a new group policy or edit an exiting policy whose permissions you wish to overwrite, and scroll to the bottom of the page. Browse to the policy file and then click **Select Policy File**. Once the policy file is uploaded, the page will refresh, allowing you to make modifications. Click **Save** to put the group policy into effect.

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**Note:** Importing a policy file to an existing group policy will overwrite any previously defined permissions, with the exception of policy members, team memberships, and Jumpoint memberships.

# Kerberos Keytab: Manage the Kerberos Keytab

📯 Users & Security

**KERBEROS KEYTAB** 

# **Kerberos Keytab Management**

BeyondTrust supports single sign-on functionality using the Kerberos authentication protocol. This enables users to authenticate to the B Series Appliance without having to enter their credentials. Kerberos authentication applies both to the /login web interface and to the representative console.

To integrate Kerberos with your B Series Appliance, you must have a Kerberos implementation either currently deployed or in the process of being deployed. Specific requirements are as follows:

- You must have a working Key Distribution Center (KDC) in place.
- Clocks must be synchronized across all clients, the KDC, and the B Series Appliance. Using a Network Time Protocol server (NTP) is an easy way to ensure this.
- You must have a Service Principal Name (SPN) created on the KDC for your B Series Appliance.

# **Configured Principles**

The Configured Principals section lists all of the available SPNs for each uploaded keytab.

Once you have available SPNs, you can configure a Kerberos security provider from the **Security Providers** page and define which user principals may authenticate to the B Series Appliance via Kerberos.

# **Import Keytab**

# **Choose File**

Export the keytab for the SPN from your KDC and upload it to the B Series Appliance.

For more information, please see <u>Kerberos Server for Single Sign-On</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/how-to/integrations/security-providers/kerberos/index.htm.

# Licensing: Assign Representatives to License Pools

🐣 Users & Security

LICENSING

# **Full Support License Pools**

Configure license pools to reflect the structure of your support organization and ensure that each pool has the exact number of licenses to which it is entitled. The table shows the number of reserved licenses and the maximum number of licenses allowed for each pool, along with the number of users who are assigned to this pool. Note that this number does not reflect users assigned via group policy or invited representatives.

**Note:** Active license packs are included in the count of full support licenses; however, they cannot be assigned to license pools.

# Add, Edit, Delete

Create a new pool, modify an existing pool, or remove an existing pool.

# Add or Edit Full Support License Pool

# Name

Create a unique name to help identify this pool. This name should help administrators assign users or groups to a license pool.

# Description

Add a brief description to summarize the purpose of this pool.

# **Reserved Licenses**

The number of licenses which should be reserved for this pool. If all other licenses are in use and a representative who is not part of this pool tries to log in to the representative console, then they will be denied login. The note beneath shows how many unreserved licenses are still available and can be assigned.

# **Maximum Licenses**

The maximum number of licenses which can be consumed by users of this pool. If the maximum number of licenses are already in use by users of this pool, then if another representative who is part of this pool attempts to log in to the representative console, they will be denied login. If you do not wish to set a maximum, check **Unlimited**.

# Invited Rep License Pool

# Same as inviting rep

When a representative sends a rep invite to an external representative, the invited representative should consume a license from the same pool as the representative who sent the request.

# Use the following pool for all invited reps

When a representative sends a rep invite to an external representative, the invited representative should consume a license from the specified pool. If this is set to **None**, then the license used will be drawn from the unreserved licenses.

# **License Usage Notification**

# **Enable License Threshold Alerts**

Receive an email when the number of licenses in use reaches the threshold specified below.

# **License Threshold Alert Options**

Set the license threshold to a total number or a percentage of licenses in use. Set the minimum length of time that must elapse before another email can be sent.

# **Enable Login Denied Alerts**

If checked, an email alert is sent whenever a representative is unable to log in due to insufficient licenses, insufficient reserved slots, or the maximum license limit being reached.

# **License Alert Contact**

Enter one or more email addresses to which emails should be sent. Separate addresses with a space. This feature requires valid <u>SMTP</u> configuration for your B Series Appliance, set up on the */login > Management > Email Configuration* page.

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# **Reports**

# **Support: Report on Session Activity**

Beports	SUPPORT
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# **Support Reports**

Administrators and privileged users can generate broad, comprehensive reports and also apply specific filtering to customize reported information based on clear-cut needs.

# Report Type

Generate activity reports according to four separate report types: **Session**, **Summary**, **Customer Exit Survey**, and **Representative Survey**.

# Filters

Apply filtering options as needed to derive more customized reports from the basic report types. Enable one or more filters as you wish, but only sessions that match all filters selected will be shown.

# Session ID or Sequence Number

This unique identifier requires that you specify the ID (LSID) or sequence number for the single session you seek. This is often helpful if you have an external ticketing system or CRM integration. You cannot combine this filter with others.

# Date Range

Select a start date for which to pull reporting data. Then select either the number of days for which to pull your report or an end date.

# Customer

Filter sessions by customer name, company name, computer name, public IP, or private IP.

# **Public Site**

Filter to focus your reporting on a specific public site.

# Representative

Use the dropdown to choose the type of representative participation you want to include. Choose sessions where any representative joined, no representative joined, or a specific representative participated, or where any representative within a team participated, including

# BeyondTrust

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sessions that were never associated with the specified team.

### Team

Use the dropdown to choose the type of team participation you want to include. Choose sessions that were assigned to at least one team, sessions that were never assigned to a team, or sessions that were assigned to a specific team.

## **External Key**

Filter to report sessions that used the same specific external key.

### Include only completed sessions

Filter to include only sessions that have been completed. This excludes sessions that are still running.

Group By (Visible Only for Summary Reports)

Choose to group summary report data by representative, by team, or by public site.

# **Support Session Report Results**

View all sessions that match the criteria specified on the previous page. Session reports include basic session information along with links to session details, chat transcripts, and video recordings of screen sharing, Show My Screen, and command shells. Click **Select Visible Columns** to choose which information to view.

# **Support Session Detail**

Session reports detail a record of the full chat transcript, the number of files transferred, and the permissions requested and granted. Other information includes the public site through which the session was run, session duration, local and remote computer names and IP addresses, and remote system information (if enabled). Reports can be viewed online or downloaded to your local system.

If session recording is enabled, view a video playback of individual sessions, including captions of who was in control of the mouse and keyboard at any given point during the session. Similarly, if Show My Screen recording is enabled, view and download videos of the representative's system during a Show My Screen session. If command prompt recording is enabled, you can also view recordings of all command shells run during the session. All recordings are stored on the B Series Appliance in a raw format and are converted to compressed format when viewed or downloaded.

# **Summary Report**

Summary reports provide an overview of activity over time, categorized by representative, team, or public site. Statistics include the total number of sessions run, the average number of sessions per weekday, and the average duration of sessions.

# **Customer Exit Survey or Representative Survey Report**

View reports of answers to your custom surveys, delimited by public site. A column will be added for each question you include on your surveys and will be titled according to the name designated in the **Report Header** field. For multiple-choice questions, the **Logged Value** will be displayed as the answer. If representatives are also given access to the representative survey during the session, and the

administrator has used it to create a detailed workflow, those questions and/or fields, along with the representative's responses, are also displayed on the report.

# **Team Activity Report**

View all team activity that matches the criteria specified on the previous page. Team activity reports include information about users as they log in or out of the representative console, chat messages sent between team members, representative status changes, rep-to-rep screen sharing actions as logged in chat, and files shared and downloaded.

# Date Range

Select a start date for which to pull reporting data. Then select either the number of days for which to pull your report or an end date.

# Team

Specify the appropriate team to view results.

Note: All items listed within Remote Support reports are ordered from newest to oldest.

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# **Presentation: Report on Presentation Activity**

Reports PRESENTATION	
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# **Presentations**

# Range Start, Range End

Select a start date for which to pull reporting data. Then select either the number of days for which to pull your report or an end date.

# **Presentation Report Results**

View all presentations that match the criteria specified on the previous page. Presentation reports include basic presentation information along with links to presentation details, chat transcripts, and video recordings. Click **Select Visible Columns** to choose which information to view.

# Licensing: Report on Peak License Usage

🗎 Reports

LICENSING

# **Representative License Report**

# Date Range

Select a start date for which to pull reporting data. Then select either the number of days for which to pull your report or an end date.

# **Group By**

Choose to group peak license utilization report data by hour, day, or month.

# License Usage Report

View reports of peak license usage times. View the number of logged in representatives, the number of representatives in extended availability mode, and the total number of licenses in use.

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## Vault: Report on Vault Account and Rep Activity

Reports VAULT

## Vault Account Activity Report

#### **Date Range**

Select a start date for which to pull reporting data. Then select either the number of days for which to pull your report or an end date.

#### Account

To see all events which involved a specific BeyondTrust Vault stored account, type in the account name, or select the account from the dynamic pop-up list.

#### Performed By

To see all events involving a specific user, type the username or part of it, and then select the user from list. To see all events performed by the system, click in the box, and then select **System** from the list. To see all events involving an API account, type **api** in the box, and then select the api account from the list.

**Note:** If a user has been anonymized in an effort to follow compliance standards, the **Vault Account Activity** report may display pseudonyms for user data or may indicate information has been deleted. To learn more about data anonymization and deletion for compliance efforts, please see <u>Compliance: Anonymize Data to Meet Compliance Standards</u> at <a href="https://www.beyondtrust.com/docs/remote-support/getting-started/admin/compliance.htm">https://www.beyondtrust.com/docs/remote-support/getting-started/admin/compliance.htm</a>.

For more information, please see the <u>Vault Whitepaper</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-</u> to/vault/index.htm.

## **Vault Account Activity Report Results**

Because users can be granted separate access to use and check out accounts, the **Vault Account Activity Report** distinguishes between the two. This allows administrators to tell the difference between a user who is able to view the account's password and a user who is only able to inject credentials in a session.

In the Vault Account Activity Report, the Data column shows information associated with the event. The Credentials Checked Out event contains a Details link in the new Data column when credentials are checked out while in a session. This link redirects to the Support Session Detail Report in which the credentials were used.

Note: If the credentials are checked out from /login, then no Details link is present in the Data column.

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## **Compliance: Anonymize Data to Meet Compliance Standards**

🗎 Reports	COMPLIANCE	
IMPORTANT!		
By default, the <b>Compliance</b> tab is disabled. If your organization requires this functionality, please contact BeyondTrust Support at https://www.beyondtrust.com/docs/index.htm#support.		

## **Representative Anonymization**

Information about representatives as well as the actions performed during support sessions can be made anonymous to meet privacy regulations and compliance standards.

To anonymize data, select a representative and then click **Search Representative Activity**. The system returns a list of the information found for the representative along with a randomly generated, proposed replacement term for the information. You can also choose to **Add Custom**. This allows you to enter and to search for customized information, such as account numbers.

To modify the replacement text, click the Edit button. Within the Edit Replacement prompt, set the desired Replacement. Choose to Edit in All History or Edit in Only This Session.

The list updates with the new replacement term and displays, "All support sessions, presentation sessions, team activity, and Vault account activity events for this representative will be marked as anonymized at: (date and time)." After reviewing the replacement terms and timestamp, click **Delete User and Anonymize** to begin the anonymizing process for the entire software. Before starting the anonymization process, you must enter your display name to confirm that you want to perform this action.



## **Customer Anonymization**

Information about customers receiving support as well as the actions performed during support sessions can be made anonymous to meet privacy regulations and compliance standards.

To anonymize data, enter the customer's name, computer name, or IP address into the field. Select the **Partial match** checkbox if partial matches should be listed. Then click **Search Customer Activity**. If data is found, the system returns a list of the information found for the customer along with a randomly-generated, proposed replacement term for the information. You can also choose to **Add Custom**. This allows you to enter and to search for customized information, such as account numbers.

To modify the replacement text, click the Edit button. Within the Edit Replacement prompt, set the desired Replacement. Choose to Edit in All History or Edit in Only This Session.

The list updates with the new replacement term and displays, "The selected support sessions and presentation sessions will be marked as anonymized at: (date and time)." After reviewing the replacement terms and timestamp, click **Anonymize Selected Sessions** to begin the anonymizing process for the entire software. Before starting the anonymization process, you must enter your display name to confirm that you want to perform this action.



#### IMPORTANT!

All session recordings are deleted as a part of the anonymization request.

#### **Status**

Review information about anonymization jobs, including, found terms, replacement terms, the type of data being anonymized, and the status of the job.

The job status is automatically refreshed every 15 seconds, and the status for completed requests remains available for 24 hours.



**Note:** For environments where failover or Atlas is configured, the anonymization of data is not complete until synchronization across all nodes or backup B Series Appliances has occurred.

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## Jump Item: Report on Jump Item Activity

#### 🗎 Reports

JUMP ITEM

Administrators and privileged users can generate broad, comprehensive reports and also apply specific filtering to customize reported information based on clear-cut needs. All Jump Item events are logged. By default, logs are saved for 90 days, although this limit can be modified in **Days to Keep Jump Item Logging Information** in **Management > Security > Miscellaneous**.

*Note:* Make sure the *View Reports* permission is enabled in *Jump > Jump Item Roles > Permissions*. This option is enabled by default for all built-in administrators (the first admin account created on new site installs).

**Note:** A new **Jump Item Role** called **Auditor** is automatically created on new site installations. On existing installations it has to be created. This role only has a single **View Reports** permission enabled, giving admins the option to grant a user just the permission to run Jump Item reports, without the need to grant any other permission.

Users can view the following events related to Jump Items on Jump Groups (Personal or Shared):

- Jump Item Created
- Jump Item Deleted
- Jump Item Copied From
- Jump Item Copied To
- Jump Item Moved From
- Jump Item Moved To
- Jump Item Session Started

The following information is included as part of the event:

- The time at which the event occurred.
- If the event was initiated by a user, the user's identifying information is associated to that event. This could be a user, API account, or system information. The data in this column is shown as a hyperlink for User and API Account generated events. When clicked, it links to that User or API Account edit page, assuming that the user or API account has appropriate permission to view the report.
- The event type.
- Jump Item Type, which is one of the supported Jump Item types, for example, Jump Client, Remote Jump, Remote RDP, etc.
- Name of the Jump Item. The data in this column is shown as a hyperlink. When clicked, the reporting view changes to show the events belonging to only that specific Jump Item. The title of the page also changes to All Jump Item Events for: <Jump Item Name>.
- Name of the Jump Group. This is the source Jump Group for Jump Item Copied From and Jump Item Moved From events, and destination Jump Group for Jump Item Copied To and Jump Item Moved To events.
- Any additional data that is specific to the logged event. This field can be used to store the destination Jump Group for the events related to Jump Items **Copy** and **Move**.

Reporting data is included in backups.

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# BeyondTrust

For more information, please see "Days to Keep Jump Item Logging Information" on page 228.

## **Filters**

You can find Jump Item events that match the following filters. You may use multiple filters, but only Jump Item events matching all the filters you enable are retrieved.

#### **Date Range**

Select a start date for which to pull reporting data. Then select either the number of days for which to pull your report or an end date.

#### Jump Group

Filter sessions by Jump Items belonging to a certain Jump Group. If selected, the following options are available:

- Find all sessions started from Jump Items belonging to a specific Jump Group.
- Find all sessions started from personal Jump Items for a specific user.
- Find all sessions in your personal Jump Group.

#### **Jump Item**

Click on the search field to find all events involving a specific Jump Item.

#### Performed by

Click on the search field to find all events involving a specific user, API account, or the system.

Click Show Report when done.

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## **Public Portals**

## **Public Sites: Customize the Support Portal**



## **Public Sites**

Configure one or more public sites for your BeyondTrust Appliance B Series. A public site is a website where your customers can start a session and through which all session traffic will be directed.

#### Add New Site, Edit, Delete

Create a new site, modify an existing site, or remove an existing site.

## Add or Edit Public Site

#### Name

Create a unique name to help identify this site. This name helps you determine the public portal through which a customer entered. The default site name cannot be changed.

#### Site Addresses

Each site must have at least one DNS that resolves to your BeyondTrust Appliance B Series. Multiple hostnames can direct to one site, but one hostname cannot be used for multiple sites.

#### **Default Support Button Profile**

Choose which Support Button profile to use for this public site, either the default profile or a customized profile. The button profiles are configured from the **Configuration > Support Buttons** page.

#### Public Template

Configure the page design and layout by selecting a public web template, configured from the Public Portals > HTML Templates page.

For more information, please see <u>Customize the Public Site Web Template</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/how-to/customize-portals/html-templates.htm.

#### **Require SAML Authentication**

If **SAML For Public Portals** is configured on the **Users & Security > Security Providers** page, this option is available to select. If selected, customers must authenticate with an identity provider before a session is initiated using the public support portal.

#### **Display Customer Notices**

You can opt to display customer notices on the public site. If this option is selected, the notices are displayed on the public portal, warning customers of potential problems they may be experiencing and for which no support may be needed at this time. This way customers never enter the support queue, thus allowing representatives to dedicate their attention to customers who need assistance. Customer notices are configured on the **Public Portals > Customer Notices** page.

**Note:** The same customer notice can be used across several sites, or on a custom portal. The XML for the public portal contains a section where all current notifications are shown. This ensures that messages are always in sync across several sites.

For more information, please see <u>Choose Connection Options</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-</u> to/customize-portals/connection-options.htm.

## **Representative List**

#### **Use Representative List**

The representative list displays the names of all logged-in representatives, sorted according to display number. When a customer clicks a name and runs the customer client, a session immediately appears in that representative's personal queue.

Choose if this session initiation option should be available for this support portal. Select if this option should be enabled for the public site and the API, enabled for the API but hidden on the public site, or disabled.

**Note:** A representative giving a presentation will by default be removed from the representative list, although this exclusion from the representative list can be overridden by selecting **Showing on Representative List** from the representative console.

#### Display Help Text

Choose if you would like to display help text for this option on the public site. You may customize the text displayed. To revert to the default text, delete the text from the field and then save the blank field.

#### Start Session Using Click-To-Chat

Choose if sessions started with this method should begin with click-to-chat, starting as web-based chats rather than with the full customer client.

## **Presentation List**

#### **Use Presentation List**

The presentation list displays active presentations. For a presentation to be listed here, the representative must have started the presentation and selected to show the presentation on the public site. When a customer clicks a presentation name and runs the client, they will immediately join that presentation.

#### **Display Help Text**

Choose if you would like to display help text for this option on the public site. You may customize the text displayed. To revert to the default text, delete the text from the field and then save the blank field.

## Session Keys

#### **Use Session Keys**

You can generate a session key for a support session or presentation and give it to your customer beforehand, requesting them to submit it on your public site. Running the customer client from a session key places the customer in the queue with the representative who generated the key.

Choose if this session initiation option should be available for this support portal. Select if this option should be enabled for the public site and the API, enabled for the API but hidden on the public site, or disabled.

#### Display Help Text

Choose if you would like to display help text for this option on the public site. You may customize the text displayed. To revert to the default text, delete the text from the field and then save the blank field.

#### Start Session Using Click-To-Chat

Choose if sessions started with this method should begin with click-to-chat, starting as web-based chats rather than with the full customer client.

#### Prompt before downloading the Remote Support Customer Client

Checking the option to prompt the customer requires the remote user to confirm that they would like to start a support session or join a presentation before beginning the BeyondTrust client download. If this option is unchecked, the client download begins as soon as the customer submits the session key or follows the session key link.

## **Issue Submission Survey**

#### **Use Issue Submission Survey**

Your customer can fill out an issue submission survey to request support.

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Choose if this session initiation option should be available for this support portal. Select if this option should be enabled for the public site and the API, enabled for the API but hidden on the public site, or disabled.

#### **Session Queue Selection**

If you set the survey to display common issues, your customer can select the type of problem they are experiencing. Then they will be placed in queue for the team that owns the selected issue.

If you set the survey to list available representatives, your customer will be placed in the selected representative's personal queue. Note that all representatives are displayed, regardless of team membership.

#### **Display Issues for All Teams**

Select Display Issues for All Teams to list all configured issues, or select the teams whose issues you want to display on this site.

#### **Available/Displayed Fields**

From the available fields, select which information fields should display on this site. Go to **Configuration > Custom Fields** to create and manage these fields.

#### **Display Help Text**

Choose if you would like to display help text for this option on the public site. You may customize the text displayed. To revert to the default text, delete the text from the field and then save the blank field.

#### Start Session Using Click-To-Chat

Choose if sessions started with this method should begin with click-to-chat, starting as web-based chats rather than with the full customer client.

For more information, please see the <u>API Programmer's Guide</u> at <u>www.beyondtrust.com/docs/remote-support/how-</u> to/integrations/api.

## **Post-Session Landing Page**

#### Enable Post-Session Landing Page

Choose per site whether to display a customer exit survey on the BeyondTrust landing page, to redirect your customer to an external URL, or not to send your customer to any landing page

For more information, please see <u>Customize the Uninstall Message and Exit Surveys</u> at https://www.beyondtrust.com/docs/remote-support/how-to/customize-portals/post-session-behavior.htm.



#### **Available/Displayed Questions**

If you enable the BeyondTrust landing page, select which questions should appear in this site's survey. Questions are configured on the **Public Portals > Exit Surveys** page.

#### Enable Customers to Download Chat Transcript and/or Session Recording

If you enable the BeyondTrust landing page, you also may choose to provide the customer with a link to download the chat transcript and/or the video recording of the session.

#### **External Landing URL**

If you enable a custom landing page, set the external landing URL to which customers should be directed after a support session.

## **Representative Survey**

#### **Enable Representative Survey**

You can choose to display a representative survey. The survey will display when a session is completed. It is also possible to allow the representative access to the survey during a session. This option allows administrators to use the survey to create detailed workflows containing external web links with resources, as well as to ensure that representatives record specific information or follow a preset number of support steps. The option to display the survey during a session is configured on the **Public Portals > Exit Surveys** page.

For more information, please see <u>Representative Survey</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u> started/rep-console/representative-exit-survey.htm.

#### **Available/Displayed Questions**

If you enable a representative survey, select which questions to display. Questions are configured on the **Public Portals > Exit Surveys** page.

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## Schedule: Set Public Portal Open Hours

Public Portals

SCHEDULE

## **Regular Portal Schedules**

Configure one or more schedules of regular business hours for your public portals. Outside of these scheduled hours, session start methods other than session keys are removed from your public site, and a portal closed message displays on your public site.

#### Add New Schedule, Edit, Delete

Create a new schedule, modify an existing schedule, or remove an existing schedule.

## Add/Edit a Schedule

#### Schedule Name

Create a unique name to help identify this schedule.

#### **Portal Closed Message**

Create the text to display outside of regularly scheduled hours. Messages can contain macros indicating the next open business day and time. You can use macros, as well as BBCode to do some low level formatting, such as adding bold, colors, or hyperlinks. Click on **Macros** or **BBCode** to display a list of codes and their resulting applications.

#### Schedule

Set a schedule to define when customers can initiate support sessions. Set the time zone you want to use for this schedule, and then add one or more schedule entries. For each entry, set the start day and time and the end day and time.

If, for instance, the time is set to start at 8 am and end at 5 pm, a customer can start a session at any time during this window. Sessions already in progress are allowed to continue past the schedule end. If session keys are enabled, a representative can send a customer a session key to start a session even outside of the public site schedule.

#### Apply to the following Public Sites

If you have more than one public site, select which should follow this schedule.

#### **Uses these Holidays**

Select any created holidays which should apply to this schedule. Associations made here also apply to the holiday schedule settings.

## **Holiday Portal Schedules**

When a holiday schedule is applied to a regular schedule, the hours set in the holiday schedule override the normal business hours. Holiday schedules can be used to set days off, days with abbreviated hours, or even days with extended hours.

#### Add New Holiday, Edit, Delete

Create a new holiday schedule, modify an existing holiday, or remove an existing holiday.

## Add/Edit a Holiday

#### **Holiday Name**

Create a unique name to help identify this holiday schedule.

#### Date

Set the date when this holiday schedule should apply.

#### Portal Closed Message

Create the text to display outside of scheduled hours for this date. You can use macros, as well as BBCode to do some low level formatting, such as adding bold, colors, or hyperlinks. Click on **Macros** or **BBCode** to display a list of codes and their resulting applications.

#### Schedule

Either select Closed all day or set a start time and end time.

#### Apply to the Following Portal Schedules

Select any created regular schedules to which this holiday schedule should apply. Associations made here also apply to the regular portal schedule settings.

For more information, please see <u>Show Notices and Business Hours on the Public Portal</u> at <a href="https://www.beyondtrust.com/docs/remote-support/how-to/customize-portals/portal-messages.htm">https://www.beyondtrust.com/docs/remote-support/how-to/customize-portals/portal-messages.htm</a>.

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## **HTML Templates: Customize the Web Interface**

Public Portals

HTML TEMPLATES

## **Public Site Web Template**

Customize your public site's HTML to be consistent with the rest of your web site.

#### Add or Edit Template

Select an existing template that you want to edit or select Add to create a new template.

#### Name

When creating additional templates, give each a unique name to identify it for further editing or to apply it to a public site.

#### **Template HTML**

Macros replace real-time data such as the session initiation options and the language selection dropdown. This enables you to position these elements anywhere on the page.

BeyondTrust recommends leaving the public site unaltered unless you have a working knowledge of HTML format.

#### **Revert to Factory Default HTML**

After customizing the site, you can return the public site to its original state by clicking **Revert to Factory Default HTML** at the bottom of the coding window.

## Help Icon

#### **Change Help Icon**

You can upload a new image to serve as the help icon on the public portal.

#### **Revert to Factory Default Help Icon**

To restore BeyondTrust's original help icon for a template, click the Restore to Factory Default Help Icon button.

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For more information, please see <u>Customize the Public Site Web Template</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/how-to/customize-portals/html-templates.htm.

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## Customer Notices: Create Messages for the Customer Notification System

Public Portals

**CUSTOMER NOTICES** 

## **Customer Notices**

Notify customers, as they are requesting support, of broadly impacting IT outages to avoid flooding your BeyondTrust representatives. These messages can be set to expire at a pre-determined time and applied to one or more public portals.

Once created, customer notices are displayed on the public portal and in Support Button start windows, so that customers get the information they need before even attempting to initiate a session. Notices also appear in the customer client chat window at the beginning of a session and/or when sent from the /login interface.

Administrators and authorized representatives can create up to 10 messages per portal, with each message allowed up to 1,020 characters.

Although messages are not configurable per language, you can create different messages for the languages supported on the same portal.

Administrators can create and edit customer notices and also can grant this right to representatives without administrative privileges.

#### Add New Customer Notice, Edit, Delete

Create a new notice, modify an existing notice, or remove an existing notice.

#### Send

Push a customer notice to all holding sessions.

## Add or Edit Customer Notice

#### Name

Create a unique name to help identify this notice. This name is not displayed to the customer.

#### **Notice Text**

Create the text to display in the customer client, on the public portal, and in Support Buttons. You can use macros, as well as BBCode to do some low level formatting, such as adding bold, colors, or hyperlinks. Click on **Macros** or **BBCode** to display a list of codes and their resulting applications.

**Note:** Messages should be relatively short so they can be viewed without much scrolling in the customer client windows. This applies to both the native client and click-to-chat modes.

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#### Expires On

Enter a date for the notice expiration. If you select **Never Expires** the notice will remain on your site until it is manually deleted. Expired notices are automatically deleted 24 hours after their expiration date.

## **Public Sites**

If you have more than one public site, select which ones will display the notice. You can select multiple portals.

For more information, please see <u>Show Notices and Business Hours on the Public Portal</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-to/customize-portals/portal-messages.htm</u>.

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## File Store: Upload Resource Files



**FILE STORE** 

## About

Use the online file store to save files you need to reference from your HTML template, such as image files and style sheets. You can also use the file store as a central point of access for files frequently needed during support sessions.

## Accessibility

#### Show File Listing for File Store at /files

If this option is checked, any files uploaded here are accessible by browsing to your support site hostname followed by /files (e.g., support.example.com/files).

#### View the File Store

If the option above is checked, click this button to view your online file store.

#### **File Store Statistics**

View the number of files uploaded, the maximum capacity available, and the maximum file size. The file store limit is 25 MB.

## Contents

#### Upload

Browse for files and upload them to your file store.

#### **Files in File Store**

View a list of files uploaded to your file store.

#### **Delete Selected Files**

Select one or more files from the list above and click this button to remove those files from your file store.



For more information, please see <u>Customizing the BeyondTrust Support Portal</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/how-to/customize-portals/file-store.htm.

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## iOS Configuration Profiles: Add Apple Configuration Profiles

Public Portals

IOS CONFIGURATION

## **iOS Configuration Profiles**

BeyondTrust supports distribution of Apple iOS configuration profiles, allowing support representatives to offer public and private, administrator-configured profiles to iOS device users for downloading to their iPhone<sup>®</sup>, iPad<sup>™</sup> and iPod touch<sup>®</sup> devices.

For more information, please see iOS Configuration Profiles at <a href="https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/apple-ios/iosconfigurationprofiles.htm">https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/apple-ios/iosconfigurationprofiles.htm</a>

### ) IMPORTANT!

To ensure that configuration profiles are downloaded to iOS devices over an encrypted HTTPS connection, you must check the **Force Public Site to Use HTTPS** checkbox on the **Management > Security** page of the /login administrative interface. Otherwise, profile downloads will occur over unencrypted HTTP connections.

To administer Apple iOS settings, you must use an admin account. To create or modify Apple iOS configuration profiles, you must have the user account permission **Allowed to Edit iOS Profiles**. For a representative to give customers access to private configuration profiles, they must have the account permission **Allowed to generate access keys for sending iOS profiles**. In the /login administrative interface, select **Users & Security > Users** and/or **Group Policies** to modify account permissions.

After setting up and exporting a configuration profile from Apple's free iPhone Configuration Utility, use the /login administrative interface in BeyondTrust to make the profile available. You may find the iPhone Configuration Utility on Apple's iPhone Support web site.

#### Add New Profile, Edit, Delete

Create a new profile, modify an existing profile, or remove an existing profile.

## Add or Edit iOS Configuration Profile

#### Name

Create a unique name to help identify this profile. This iOS configuration profile name should help the user select the right profile when browsing your support portal.

#### File

Upload the Apple iOS Profile you created with the iPhone Configuration Utility software. Note that the underlying Apple iOS Profile must be altered to change the contents of the iOS device profiles you wish to distribute to iOS device users.

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#### Description

Add a brief description to summarize the purpose of this profile.

#### Public

Check the **Public** checkbox to make the profile appear in a list visible to any iOS user that browses your public portal. Note that the iOS users will not see a traditional representative list or issue submission dialog when browsing the public portal.

Leaving the **Public** checkbox unchecked allows you to restrict access to the iOS Profile you created. To download private profile content, users must enter an access key you generate in the representative console.

## **Settings**

#### Select a Public Site to Edit

From the dropdown, select the public site for which you want to configure settings.

#### iOS Configuration Profiles Link Enabled

If this option is checked, customers on iOS devices will see a link to the iOS configuration profiles portal when they access the public site. This page displays any public profiles you have available, and it provides a text entry box where customers can submit an access key their representative has provided, directing the customers to a private configuration profile.

#### Portal

#### Title

Customize the title of the iOS portal page. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### Message

Customize the text that will display on the iOS portal page. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### **Invitation Email**

When a representative generates an Apple iOS profile access key from the representative console, the access key can be sent in an email to the iOS user.

#### Subject

Customize the subject of this email. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

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#### Message

Customize the body of this email. Use any of the macros listed below this field in the /login page to customize the text for your purposes. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

**1** For more information, please see <u>Manage the Apple iOS Configuration Profiles Page</u> at https://www.beyondtrust.com/docs/remote-support/getting-started/customer-client/apple-ios/manageprofilespage.htm.

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## Surveys: Enable the Customer Exit Survey and Representative Survey

Public Portals

EXIT SURVEYS

## **Customer Exit Survey or Representative Survey**

Configure questions to implement in customer and representative surveys, useful in monitoring satisfaction levels and incident resolution rates. Questions are assigned to a support site's surveys from the **Public Portals > Public Sites** page.

#### Allow representatives to modify the survey during a support session

Allow the representative to have access to the survey during a session. Administrators can use the survey to create detailed workflows containing external web links with resources, as well as to ensure that representatives record specific information or follow a preset number of support steps.

#### Add New Question, Edit, Delete

Create a new question, modify an existing question, or remove an existing question.

#### **Preview Survey**

Preview how all survey questions will appear to your customers. Previewing the representative survey shows the basic format, though styles appear differently in the representative console.

## **Customer Exit Survey or Representative Survey: Add New Question**

#### **Question Type**

Choose from several types of questions, including radio buttons, check boxes, dropdown menus, text boxes, and text areas.

#### **Question Text**

Enter the question text as you would like it to appear on the survey.

#### **Question Name**

Assign the question a name for internal formatting.

#### **Report Header**

Assign the question a header to identify it on your survey reports.

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#### **Answer Required**

For representative surveys, set if the representative should be required to answer the question before closing the session.

#### **CSS Style**

You may define a CSS style for a customer exit survey question. This options is provided for web development. Users unfamiliar with HTML and CSS are recommended to leave these fields blank.

#### **CSS Classes**

You may define CSS classes for a customer exit survey question. This options is provided for web development. Users unfamiliar with HTML and CSS are recommended to leave these fields blank.

#### HTML ID

You may define an HTML ID for a customer exit survey question. This options is provided for web development. Users unfamiliar with HTML and CSS are recommended to leave these fields blank.

#### **Allow Multiple Selections**

For a dropdown menu, you can choose to allow multiple selections.

#### Size of Text Box

For a text box, set the size of the text entry field.

#### Max # of Chars in Answer

For a text box, set the maximum number of characters that can be entered.

#### **Text Area Size**

For a text input area, set the size of the text entry field.

#### **Display Order**

Choose the order in which you would like the question to appear on the survey. Lower numbers appear first.

#### **Default Value**

For a text box or text input area, you may insert default text into the field.

#### Appear on the Default Public Site

If you select this option, this question will automatically be added to the survey for your default support site. Because only ten questions can appear on any given survey, you will receive an error if you attempt to save a question that would exceed this limit on your default site

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survey. To create a question for use on another survey, deselect the check box and then save.

#### **Display Value**

For each option available to a radio button group, a check box group, or a dropdown menu, assign a display value that will appear to the customer.

#### **Logged Value**

For each option available to a radio button group, a check box group, or a dropdown menu, assign a logged value that will be saved in the exit survey reports.

#### Selected by Default

For a radio button group, a check box group, or a dropdown menu, you can choose to have an option selected by default.

#### **Display Order**

For a radio button group, a check box group, or a dropdown menu, set the order in which these options will appear below the question.

#### Sort Ascending

For a radio button group, a check box group, or a dropdown menu, sort the options in ascending order.

#### Sort Descending

For a radio button group, a check box group, or a dropdown menu, sort the options in descending order.

#### **Add Option**

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Add multiple options to a radio button group, a check box group, or a dropdown menu.

#### **Preview Question**

Preview how this survey question will appear to your customers. Previewing a representative survey question shows the basic format, though styles appear differently in the representative console.

for more information, please see <u>Customize the Uninstall Message and Exit Surveys</u> at https://www.beyondtrust.com/docs/remote-support/how-to/customize-portals/post-session-behavior.htm.

For more information, please see <u>Customer Exit Survey: Submit Feedback</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-exit-survey.htm.

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For more information, please see <u>Representative Survey</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u> started/rep-console/representative-exit-survey.htm.

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# Customer Client: Modify the Invitation Email, Display Options, Connection Options

Public Portals CUSTOMER CLIENT

#### Select a public site to edit

From the dropdown, select the public site for which you want to configure settings.

## **Invitation Email**

Create a custom email message with unique support session instructions for each public site.

#### From Address

As an option, you can use the **From Address** field to set up system-generated email invitations instead of an invitation that uses the representative's local email client. If configured in this manner, session invitations are sent from a centralized, system-wide address (e.g., admin@support.example.com). This may be particularly useful if your representatives have enterprise email restrictions due to safety or privacy concerns. If the **From Address** field is left blank, the emails will use the "from address" as configured on the <u>Email Configuration</u> page.

**Note:** To enable system-wide emails, make sure that **Enable server-side emails for support invitations** is checked on the /login > Configuration > Options page.

#### Subject

Customize the subject of this email. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### Body

Customize the body of this email. Use any of the macros listed below this field in the /login page to customize the text for your purposes. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### **Customer Agreements**

For more information, please see <u>Customer Client: Support Session Interface</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/customer-client/customer-support-interface.htm.

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#### **Full Client Sessions**

#### **Display Customer Agreement Before Full Client Sessions**

Customize the text of this agreement. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### Title

Customize the title of the agreement. The end-user sees this in the title bar of the prompt. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### **Acceptance Timeout**

If the customer does not accept the agreement within the set **Acceptance Timeout**, the session will end. This applies to unattended sessions only.

#### Text

Provide the text for the full-client customer agreement. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### **Click-to-Chat Sessions**

#### **Display Customer Agreement Before Click-to-Chat Sessions**

Enable an agreement that the customer must accept before entering a click-to-chat session.

#### **Unattended Sessions**

#### **Display Customer Agreement Before Unattended Sessions**

Enable an agreement which must be acknowledged before entering an unattended session.

#### Title

Customize the title of the agreement. The end-user sees this in the title bar of the prompt. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### **Acceptance Timeout**

If the customer does not accept the agreement within the set **Acceptance Timeout**, the session ends. This applies to both full-client and click-to-chat sessions.

#### **Automatic Behavior**

Choose whether unattended endpoints automatically accept or reject sessions started through a Jump Client, Remote Jump, and Jump Items.

#### Text

Provide the text for the full-client customer agreement. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

## **Display Options**

#### **Show Prompts**

To set how prompts appear to your customers during a support session, choose to show prompts as text links in the chat window or as pop-ups above the chat window. The pop-up option does not apply to mobile clients or click-to-chat sessions.

#### Start Customer Client Minimized for Attended Sessions

Choose to unobtrusively start the customer client minimized and without taking focus in customer-initiated sessions.

#### Show public site hostname in window title

Choose to display the hostname of your public site in the title bar of the window.

## When pinning a Jump Client, set the default behavior such that Customer Clients launched from that Jump Client will start minimized

Choose to unobtrusively start the customer client minimized and without taking focus in Jump Client sessions.

#### Start Customer Client Minimized for Sessions started via local Jump or Jumpoint

Choose to unobtrusively start the customer client minimized and without taking focus in local Jump or Jumpoint sessions.

#### **Display Session Recording Prompt Before Full Client Sessions**

If this option is checked, then at the beginning of a session, the customer will be prompted to allow session recordings. If the customer allows recordings, then the session will be recorded as configured for this public portal. If the customer refuses recordings, then the session will continue, but no recordings will be made. This applies to screen sharing recordings, command shell recordings, and system information logging.

#### **Display Customer Notices in Customer Client**

If this option is checked, then until the session is accepted, the customer client will display both customer notices already active when the session was requested as well as customer notices created and sent. Following each notice will be a link to end the session if the notice addresses a known problem for which the customer was requesting support.

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### Messaging

#### **Customer Greeting**

#### **Display Customer Greeting Before Session**

The customer greeting appears within the chat window once the session is in queue. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

Let customers know their session status by providing them with feedback regarding their position in queue and estimated wait time. Providing customers with this information creates a better chance they will stay in the queue and get the service they need.

Wait time and position are calculated per queue. A customer's position in queue is determined by the age of the session on a first come, first served basis. The wait time is estimated using the most recent sample of sessions that came through the queue and were answered by a representative. A minimum of five sessions is needed to provide enough data for a reliable wait time calculation.

Messages are configured using macros. Copy the **%POSITION\_IN\_QUEUE%** and **%ESTIMATED\_WAIT\_TIME%** macros into the text box.

**Note:** The macros expand into full sentences describing the customer's position in the queue, as well as the estimated amount of time the customer has to wait.

#### On-Hold Message

#### **Display On-Hold Message**

The on-hold message displays at intervals until a representative accepts the session. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

Let customers know their session status by providing them with feedback regarding their position in queue and estimated wait time. Providing customers with this information creates a better chance they will stay in the queue and get the service they need.

Wait time and position are calculated per queue. A customer's position in queue is determined by the age of the session on a first come, first served basis. The wait time is estimated using the most recent sample of sessions that came through the queue and were answered by a representative. A minimum of five sessions is needed to provide enough data for a reliable wait time calculation.

Messages are configured using macros. Copy the **%POSITION\_IN\_QUEUE%** and **%ESTIMATED\_WAIT\_TIME%** macros into the text box.

**Note:** The macros expand into full sentences describing the customer's position in the queue, as well as the estimated amount of time the customer has to wait.

#### On Hold Message Interval

Set the number of minutes to wait between sending each on-hold message.

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#### Text

Provide the text for the on-hold message.

#### **Maximum Estimated Wait Time**

Provide the longest time to show customers they may have to wait.

#### **Orphaned Message**

#### **Display Orphaned Session Message**

If a customer requests a session when no representatives are available, an orphaned session message can be displayed. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### And Open This URL

If a session is orphaned, the customer's web browser can be automatically opened to a specified URL, such as a knowledge base or contact page.

#### Text

Provide the text for the orphaned message.

## **Chat Window Banner**

#### **Change Chat Banner**

Upload an image banner for the client window. This image must be a 256-color (8-bit) Windows Bitmap file (BMP) and must be 480 pixels wide. The recommended image height is 40 pixels. As soon as you upload a new banner, all new sessions use that image. Currently running sessions are not affected.

#### **Revert to Default**

Revert to the default banner. As soon as you revert to the default, all new sessions use that image. Currently running sessions are not affected.

## Watermark

## Show on-screen indicator when a representative is in session with the customer (Windows® only).

Check the box to add a watermark to the screen during a session.

#### Change Watermark

Upload a custom watermark image to display on the client desktop. This custom image replaces the default BeyondTrust watermark. The image must be a .png or .bmp file between 32x32 and 256x256 pixels wide. For best results, the recommended image size is 128x128 pixels. You can resize the selected image by using the slider or by clicking on the **Fit in Box** or the **Fill Entire Box** buttons. Click **Save Watermark** to save the changes, or **Discard Changes** if you do not wish to keep the image you just selected.

When the watermark is rendered on the customer's screen, a 40% transparency is applied, allowing you to upload a fully opaque image without concern that it will obstruct the customer's desktop view.



**Note:** After customers upgrade to BeyondTrust Remote Support 17.1, the watermark for all public portals defaults to the new watermark.

For more information, please see <u>Modify the Customer Client Appearance</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/how-to/customize-portals/customer-client-appearance.htm.

#### **Revert to Default**

Revert to the default image. As soon as you revert to the default, all new sessions use that image. Currently running sessions are not affected.

## **Session Policy**

#### **Session Policy**

Assign a session policy to sessions associated with the public site selected at the top of this page. This session policy may affect the permissions allowed in sessions started through this site.

For more information, please see <u>Set Jump Client Pinning and Unpinning Permissions</u>, at https://www.beyondtrust.com/docs/remote-support/how-to/jump-clients/permissions.htm.

## **Logging Options**

#### **Enable Screen Sharing Recording**

For the public site selected at the top of this page, choose if you want to record screen sharing sessions. You can enable or disable recordings, or you can use the site-wide setting configured on the **Configuration > Options** page. This setting may be overridden by customer preference as configured above by the setting **Display Session Recording Prompt Before Full Client Sessions**.

#### **Enable Command Shell Recording**

For the public site selected at the top of this page, choose if you want to record command shell sessions. You can enable or disable recordings, or you can use the site-wide setting configured on the **Configuration > Options** page. This setting may be overridden by customer preference as configured above by the setting **Display Session Recording Prompt Before Full Client Sessions**.

#### Enable Automatic Logging of System Information

For the public site selected at the top of this page, choose if you want to automatically log system information at the beginning of a session. You can enable or disable recordings, or you can use the site-wide setting configured on the **Configuration > Options** page. This setting may be overridden by customer preference as configured above by the setting **Display Session Recording Prompt Before Full Client Sessions**.

## **Post-Session Behavior**

#### Show the uninstall message when the support session ends

After a session is complete and if a Jump Client is not installed, customers can be notified that the BeyondTrust software has been uninstalled.

#### **Custom Uninstall Message**

Set the text of the uninstall message. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

For more information, please see <u>Customize the Uninstall Message and Exit Surveys</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-to/customize-portals/post-session-behavior.htm</u>.

## **Connection Options**

#### **Reconnect Timeout**

Determine how long a disconnected customer client should attempt to reconnect.

## Restrict customer access to the computer if the customer client loses its connection or if all of the representatives in a session are disconnected

If the session connection is lost, the remote system's mouse and keyboard input can be temporarily disabled, resuming either when the connection is restored or when the session is terminated.

#### Allow reps to override this setting per session

You can allow a user to override the session termination setting from the Summary tab in the console during a session.

## **Click-to-Chat**

#### Name Prompt

Customize the name prompt to display a specific question or statement when a user starts a click-to-chat session. The default text is "Please enter your name".

#### **Elevation Prompt**

Customize the text you wish to appear to the user when requesting to elevate a click-to-chat session. The default text is "%REP\_NAME% is requesting to elevate to full remote support which will allow more features like screen sharing and file transfer. You will be required to run an application that will be sent to you. Do you wish to continue?"

**Note:** The **%REP\_NAME%** macro is replaced with the public display name of the representative sending the elevation request.

#### HTML <head> Injection

Users with the **Allowed to edit public sites** permission can insert custom HTML code into the <head> element of the page that renders the HTML5 click-to-chat client.

## **Other Options**

#### **Automatic Elevation**

Select how to handle elevation of the customer client on a remote Windows system. If **Never attempt to elevate** is selected, the customer client will never attempt to run with administrative rights unless the representative expressly requests elevation. If you have selected **Attempt to elevate only if doing so will not prompt the customer**, then the customer client will attempt to run as an administrator, but only if doing so will not prompt the remote user for permission. If **Always attempt to elevate** is selected, then the customer client will attempt to run as an administrator; but only if doing so will not prompt the remote user for permission. If **Always attempt to elevate** is selected, then the customer client will always attempt to run as an administrator; at the beginning of a session, the remote customer may receive a prompt to allow elevation.

## Allow the customer to limit applications shared during screen sharing when not expressly required to do so

If you choose to allow the customer to limit applications shared, your customer will have the option to define which applications you can or cannot view during a screen sharing session. If this option is deselected, customers will receive this option only if the representative specifically requests or is only allowed to request limited control.

## Allow the rep to override a customer's disabled Ctrl-Alt-Del (CAD) injection policy (only Windows Vista® and above)

When supporting Windows Vista or above, the representative may attempt to override a customer's disabled Secure Attention Sequence injection policy in order to send a Ctrl-Alt-Del command

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#### Allow the customer to offer files using the chat interface

If you need to prevent file transfers from customer to representative, you can disable the customer's ability to offer files during chat sessions.

#### Play chat sound notifications in the customer client on supported platforms

You may set the customer client to play a notification sound when a new message is displayed.

#### Allow customer client to temporarily disable hardware acceleration during screen sharing

You may permit the customer client to detect when a video card driver is causing very high CPU usage on the remote computer; if so detected, the customer client may temporarily disable hardware acceleration during screen sharing to speed the remote support connection.

## Presentation: Modify the Invitation Emails and Display Options



## **Presentation Attendee**

## Scheduled Presentation Invitation Email

**Note:** Currently, only one presentation attendee client configuration is available. Presentation attendee clients cannot be configured per public site.

Send an email inviting attendees to a presentation scheduled for the future.

If the Invite button is missing in the presentation schedule dialogue, confirm that client side emails have been configured and enabled on your instance. For more information, please see Email Configuration: Configure the Software to Send Emails at <u>https://www.beyondtrust.com/docs/remote-support/getting-started/admin/email-configuration.htm</u>.

#### Subject

Customize the subject of this email. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### Body

Customize the body of this email. Use any of the macros listed below this field in the /login page to customize the text for your purposes. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### In Progress Presentation Invitation Email

Send an email inviting attendees to a presentation already in progress.

#### Subject

Customize the subject of this email. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### Body

Customize the body of this email. Use any of the macros listed below this field in the /login page to customize the text for your purposes. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

### **Presentation Attendee Client**

#### **Display Options**

#### **Display Attendee Agreement Before Sessions**

The **Attendee Agreement** is displayed before the BeyondTrust client download to ensure that your attendee is aware of the program's screen sharing functionality.

#### **Display Customer Greeting Before Session**

The **Greeting** welcomes your attendee, requests them to wait until the presentation begins, and provides audio conference details if you have configured them in the representative presentation sidebar. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### Text

Customize the text of this agreement. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

#### **Expiration Timeout**

Should the presenter fail to be online when the presentation is supposed to begin, the **Expiration Timeout** determines the length of time the attendee will be allowed to wait before being disconnected.

#### **Display Orphaned Attendee Message**

Should the presenter fail to be online when the presentation is supposed to begin and does not join before the expiration timeout is reached, attendees may be shown this message. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

## **Chat Window Banner**

#### **Change Attendee Banner**

Upload an image banner for the client window. This image must be a 256-color (8-bit) Windows Bitmap file (BMP) and must be 480 pixels wide. The recommended image height is 40 pixels. As soon as you upload a new banner, all new sessions use that image. Currently running sessions are not affected.

#### **Revert to Default**

Revert to the default banner. As soon as you revert to the default, all new sessions use that image. Currently running sessions are not affected.

## **Post-Session Behavior**

#### **Custom Uninstall Message**

At the end of the presentation, your attendee will be notified that BeyondTrust has been uninstalled. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

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## Localization

## **Real-Time Chat: Translate Chat Messages Between Rep and Customer**

₿	Localization	REAL-TIME CHAT
i	For more information, please see <u>Public Site: Request Support</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u> started/customer-client/public-site.htm.	

## **Real-time Chat Translations**

When enabled, messages between a customer and a representative are translated in real time. Customers who start sessions using the public portal can select their language from the dropdown menu at the top of the page. Representatives can select their preferred chat language from the **Settings > Global Settings** page in the representative console.

To make real-time translation available, enter your GeoFluent API URL. In the US, use <u>https://api.geofluent.com</u>; for Europe, use <u>https://api-eu.geofluent.com</u>. This field can be edited. Next, enter your **API Key** and **Secret** and then click **Save**. To enable the feature, check **Enable Real-time Chat Translations**.

For more information, please see <u>Chat with the Customer During a Session</u> at <u>https://www.beyondtrust.com/docs/remote-</u> support/getting-started/rep-console/chat.htm.

**Note:** To use this feature, you must first create a GeoFluent account. For more information, please visit https://www.lionbridge.com/.

## Language Pairs

The table shows all the possible language pairs in which real-time chat translation can function, from Language A to Language B.

Note: The list displays only the language pairs to which you have subscribed in GeoFluent.

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# **Enable Chat Language Translation on Public Portal**

Not all languages in the Support Portal dropdown menu are supported by GeoFluent. If a user selects an unsupported chat translation language, their chat session will not be translated into that language. For a user to have access to the list of GeoFluent-supported languages, an admin must assign the appropriate permissions to the user to view the **Chat Translation** dropdown menu on the public portal.

# **Enable Chat Translation Dropdown Menu**

- 1. In the representative console go to Localization > Real-Time Chat. Select Enable Real-Time Chat Translations. This displays the Public Portal section.
- 2. Click the Public Site link.
- 3. Click Edit next to the desired public site.
- 4. Select Display Chat Language Dropdown. This selection is disabled by default.
- 5. Click Save.

Once enabled, the user can see the **Chat Translation** dropdown menu on the public portal. This menu lists all chat translation supported languages.

**Note:** Occasionally a user may want to select one language for the portal and another for chat translations. If the user selects a support portal language that is not supported by GeoFluent, translations default to English.

# Languages: Manage Installed Languages

😜 Localization

LANGUAGES

# Languages

BeyondTrust currently supports English, German, Latin American Spanish, EU Spanish, Finnish, EU French, Italian, Dutch, Polish, Brazilian Portuguese, EU Portuguese, Swedish, Turkish, Japanese, Simplified Chinese, Traditional Chinese, and Russian. BeyondTrust supports international character sets.

**Note:** Because of translation scheduling, language packs trail slightly behind the English release of any new software version. Also note that for some features localization is limited to 1-byte characters. The use of 2-byte characters (certain language packs) may change expected behavior of some features. The BeyondTrust Jumpoint Configuration interface is not available in translation at this time.

# Enabled

If more than one language package is installed, check the box for each language you want to enable. Checking the option makes that language available from the dropdown in the administrative interface, the representative console, and the public site.

# **Default Language**

If more than one language package is installed, select a language to be displayed by default. Click **Update Languages** to save changes.

# Installing Language Packs

Language packs must be installed and enabled by the BeyondTrust admin. BeyondTrust Support can build language packs into software updates when requested to do so by customers. Before requesting language packs, check to make sure that they are not already installed and that the active release version supports them. To check for languages and get the necessary update(s), follow these steps:

- 1. Log in to the BeyondTrust /login web interface as an admin user.
- 2. Navigate to the Localization tab and check for the necessary languages.
- 3. If the languages are listed, check the box for the ones you want to install.
- 4. If the languages are not listed, contact Support to have a new update built for them.
- 5. Install any necessary updates and test to see if the desired language(s) appear in BeyondTrust.

Customers can select the language they require from the **language** dropdown menu on the online public portal as well as the exit survey page. Representatives can select the necessary language at the login screen. Admins and reps can select their languages from the dropdown menu in **/login** and **/appliance**.

**Note:** It is possible to use a language in a session chat that is not supported by BeyondTrust but is supported by GeoFluent. Please refer to the <u>section on optional parameters in the API Guide</u> at https://www.beyondtrust.com/docs/remotesupport/how-to/integrations/api/session-gen/index.htm for more information.

# Search: View Customized Text in Enabled Languages

Localization

LANGUAGES

# Search

View all customizable messages on one page. Enter a word or phrase in the search box to narrow the field. Click on the message you wish to modify to see it displayed in all enabled languages. Each message can be modified individually from this page.

The **Default String** cannot be changed and is meant only as a reference for your custom messages. Should you need to revert a message to its original text, delete all of the text from that message box, and save the empty message. The default text in that language will reappear.

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# Management

# Software: Download a Backup, Upgrade Software



# **Backup Settings**

It is an important disaster recovery best practice to save a backup copy of your software settings regularly. BeyondTrust recommends backing up your B Series Appliance configuration each time you change its settings. In the event of a hardware failure, a backup file speeds time-to-recovery and, if necessary, allow BeyondTrust to provide you access to temporary hosted services while retaining the settings from your most recent backup.

# Backup Password

To password protect your software backup file, create a password. If you do choose to set a password, you are unable to revert to the backup without providing the password.

# Include Logged Session Reporting Data

If this option is checked, your backup file includes session logs. If unchecked, session reporting data is excluded from the backup.

# **Download Backup**

Save a secure copy of your software configuration. Save this file in a secure location.

# Backup Vault Encryption Key

The Vault encryption key is used to encrypt and decrypt all Vault credentials stored on your BeyondTrust Appliance B Series. If you ever need to restore configuration data from a backup onto a new B Series Appliance, you must also restore the Vault encryption key from a backup to be able to use the encrypted Vault credentials contained in the configuration backup.

# **Backup Password**

To password protect your software backup file, create a password. If you do choose to set a password, you will be unable to revert to the backup without providing the password.

# **Download Vault Encryption Key**

Click the **Download Vault Encryption Key** button to download the Vault encryption key for you to use later.

Note: The Vault encryption key must be password protected.

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# **Restore Settings**

## **Configuration Backup File**

Should you need to revert to a backup, browse to the latest backup file that you saved.

## **Configuration Backup Password**

If you created a password for your backup file, enter it here.

# Vault Encryption Key Backup File

To provide the Vault encryption key corresponding to the configuration backup, choose the Vault encryption key backup file.

## Vault Encryption Key Backup Password

Enter the password you used to download the BeyondTrust Vault encryption key.

# **Upload Backup**

Upload the backup file to your B Series Appliance and restore your site's settings to those saved on the backup.

**Note:** Restoring the site backup does not revert the help icon to the image present at time of backup, nor does it remove any files added since backup. Not all files are backed up, only the first 50 files under 200KB in size.

For more information, please see <u>Back Up Procedures</u> at <u>https://www.beyondtrust.com/docs/remote-support/how-to/disaster-</u> recovery/index.htm.

# **Upload Update**

Click **Choose File** to manually upload new software packages from BeyondTrust. Confirm that you wish to upload the software package. The **Uploaded Update** section displays additional information to verify your uploaded package. Click **Install** if you wish to complete the installation process, or **Delete Update** if you wish to clear the update staging area. If your update package only contains additional licenses, you can install the update without restarting the B Series Appliance. After confirmation that you wish to install, the page displays a progress bar to notify you of the overall installation progress. Updates made here automatically update all sites and licenses on your BeyondTrust Appliance B Series.

**Note:** Your B Series Appliance administrative can also use the **Check for Updates** feature of the B Series Appliance interface to automatically search for and install new software packages.

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# **Site Migration**

Site migration allows you to migrate configuration settings and data from another BeyondTrust Remote Support site. For example, migration can be used to move from an on-premises installation to a cloud installation. Migration uses an API account to automatically download and restore a backup.

# **Preparation for Migration**

Before migrating the data, please observe these prerequisites and conditions:

- The API account needs read-only or higher access to the command API, and access to the backup and Vault encryption key APIs.
- The administrator needs access to the local admin account to log in, in case security providers do not reconnect properly after the migration.
- If the source site version is earlier than 21.2, the Vault encryption key must be migrated manually.
- If the destination site is a cloud installation, or otherwise does not support passive Jump Clients, any existing passive Jump Clients must be converted to active Jump Clients before migration. If not, they are uninstalled. If the destination site supports passive Jump Clients, such as when migrating to an on-premises installation, passive Jump Clients can be migrated.
- Recordings are not included as part of migration. To retain access to existing recordings, keep the source online with a different host name or use the integration client to back up the recordings before migration.
- After the data has been migrated, additional steps are required to make the new instance fully functional. These steps are listed on the **Site Migration** panel, and are summarized below:
  - Create a new DNS entry for the host name to access the old site.
  - Add the new host name to the old site public portal.
  - Confirm access to the old site.
  - Allow time for DNS entries to propagate across networks.
  - Click the Restart Software button on the old site to upgrade clients to use the new site.

## **Data Migration**

- 1. Enter the following information about the source site to start a migration:
  - Hostname
  - OAuth Client ID
  - OAuth Client Secret
- 2. Once the information is entered, click Verify Connection.
  - A pop-up notification verifies the connection and that the site version is supported.
  - **Reset** can be clicked at any time before starting the migration, if changes are required.
- 3. If applicable, click +Choose Certificate to select the SSL Certificate for a self-signed SSL certificate.

Note: Certificates must be in PEM, DER, or CRT format.

# BeyondTrust

**Tip:** An option to **Automatically begin site migration** is available once the connection is verified. Check this option to bypass some of the steps and notifications that follow. If checked, click **Retrieve Backup** and respond to the notifications to complete the migration.

- 4. Review displayed information, and if correct, click Retrieve Backup. If not correct, click Reset.
- 5. Pop-up confirmation messages appear for the backup file and, if applicable for your version, the Vault encryption key. The file names display on the panel, as well as a **Migrate Site** button.
- 6. Click Migrate Site.
- 7. A pop-up notification warns that a local account is required, and a second pop-up warns that the migration overwrites data on the current site. Then a **Migration in Process** message displays.
- 8. When the migration completes, click Yes in the pop-up notification to reset the site. Log in again to view the migrated data.
- 9. Complete the post-migration steps listed on the Site Migration panel.

# Security: Manage Security Settings

🔯 Management

SECURITY

# Passwords

## **Minimum Password Length**

Set rules for local user accounts regarding the length of passwords.

## **Default Password Expiration**

Set rules for local user accounts regarding how often passwords expire.

# Account Lockout After

Set the number of times an incorrect password can be entered before the account is locked out.

#### **Require Complex Passwords**

Set rules for local user accounts regarding the complexity of passwords.

## **Enable Password Reset**

Allow users with configured email addresses to reset passwords. The link provided in password reset emails are valid until one of the following events occurs:

- 24 hours has elapsed.
- The link is clicked, and the password is successfully reset.
- · The system sends another link to the email address.

## **Account Lockout Duration**

Set how long a locked-out user must wait before being allowed to reattempt login. Alternatively, require an admin to unlock the account.

# **Representative Console**

## **Terminate Session If Account Is In Use**

If a user tries to log in to the representative console with an account already in use, a checked **Terminate Session** box disconnects the previous connection in order to allow the new login.

## **Enable Saved Logins**

Allow or disallow the representative console to remember a user's credentials.

## Log Out Idle Representative After

Set the length of time after which an inactive user is logged out of the representative console to free the license for another user.

#### **Enable Warning and Logout Notification on Idle Timeout**

Set if a user should receive a prompt before being logged out due to inactivity. The first notification occurs 30 seconds before logout and the second when logout has occurred.

## **Default Representative Console Authentication Method**

Select the default authentication method. The authentication method selected here will be automatically selected on the logon page when the representative logs in to the representative console the next time after the setting is changed. Representatives can select a different method if needed.

You can change the setting at any time. However, you must log off the representative console and log on again to see the change.

#### **Remove Representative from Session After Inactivity**

This option effectively pushes a user out of a session after the period of inactivity you select. This helps BeyondTrust customers meet compliance initiatives with inactivity requirements. The user is notified 1 minute prior to removal and may reset the timeout.

A user is considered active in a session if any files are being transferred, whether through the file transfer tab or the chat interface, or if they click the mouse or press a key in the session tab. Mouse movement by itself does not count as activity. As soon as activity stops, the inactivity timer begins.

## Allow Mobile Representative Console and Web Rep Console to Connect

Give users the option of accessing remote systems through the representative console app for iOS and Android, as well as through the web rep console, a browser-based representative console.

## **Display Thumbnail View in the Representative Console**

When supporting a customer with multiple monitors, this option allows user to see thumbnail images of all available displays. These thumbnail images are not recorded in session recordings. Uncheck this box to show rectangles rather than thumbnails.

## Allow Representatives to Take Remote Screenshot

You can allow users to capture screenshots of the remote desktop from the representative console.

## Allow Representatives to Control the Customer Client Window

Enabling this setting allows the representative to act as the user in the customer client window, including typing in the chat area, sending files, and interacting with links and buttons. When this setting is disabled, the representative's control of the customer client window is limited to moving and minimizing it.

#### When requesting to elevate, allow credentials to be entered

When elevating a session to have administrative rights, allow users to enter credentials manually, inject them from a password vault, or provide them through a virtual smart card. This allows users to use authorized privileged credentials to elevate the context of the customer client. Once elevated, the customer client will run in the context of the local system.

# Allow Reboot with Cached Login Credentials

In a support session running with administrative rights on a remote Windows<sup>™</sup> computer, this allows a representative to reboot the remote machine without the customer's assistance by having the customer enter login credentials prior to the reboot. These credentials can be saved for the duration of the support session, allowing the machine to automatically log in when rebooted multiple times.

## **Clipboard Synchronization Mode**

**Clipboard Synchronization Mode** determines how users are allowed to synchronize clipboards within a screen sharing session. The available settings are as follows:

- Automatic: The customer and representative's clipboards are automatically synchronized when one or the other changes.
- Manual: The representative has to click one of the clipboard icons on the representative console to either send content to or pull content from the endpoint's clipboard

You MUST restart the software on the status page for this setting to take effect.

Admins can prevent representatives from accessing the clipboard, can allow reps to send data to the endpoint, or can allow reps to have access in both directions (send and receive data). These settings control which clipboard icons the representative sees in the representative console when **Manual** mode is selected, as well as how the synchronization flows in **Automatic** mode.

Granular control of access to the clipboard can be set for session policies and group policies, as well as granted to specific representatives. Please see the links below for each particular case:

- "Users: Add User Permissions for a Representative or Admin" on page 110: Users and Security > Users > Add
   > Attended and Unattended Session Permissions > Screen Sharing
- "Session Policies: Set Session Permission and Prompting Rules" on page 145: Users and Security > Session Policies
   > Add > Permission > Screen Sharing
- "Group Policies: Apply User Permissions to Groups of Users" on page 154: Users and Security > Group Policies > Add
   > Attended and Unattended Session Permissions

# Session Key

#### **Session Key Length**

The Session Key Length can be set to any number of characters between 7 and 20.

## One Time Use Session Key

If One Time Use Session Key is checked, a session key cannot be used more than once to create a support session.

## Maximum Session Key Timeout

**Maximum Session Key Timeout** sets the longest time for which a session key may remain valid. From the representative console, a user can set the lifetime of each generated session key up to but no longer than the time defined on this page. If the customer does not use the session key within the allotted time, the key expires, and the user must issue a new session key in order to run a session.

# **Public Portal**

## Force Public Site to Use HTTPS

Additional security can be obtained with **Force Public Site to Use SSL (https)**. Using HTTPS forces the internet connection to your public support portal to be SSL-encrypted, adding an additional layer of security to prevent unauthorized users from accessing accounts.

## Block External Resources, Inline Scripts, and Inline Styles on the Public Site

Prevent your public site from loading external resources, running inline scripts, or displaying inline styles. This option is effected by sending the Content-Security-Policy (CSP) HTTP header with a value of **default-src 'self**'.

The CSP header tells the browser to ignore resources such as images, fonts, style sheets, scripts, frames, and other subresources from outside its own origin domain. It also ignores inline scripts and styles, whether included in the head or body of the page. This also affects inline scripts and styles added dynamically at runtime from JavaScript.

Any resources you wish to use must be uploaded to the B Series Appliance at **Public Portals > File Store**. You should not enable this option if you have customized your public site template to use inline scripts, inline styles, or resources external to your BeyondTrust site.

## **Enable Streamlined Session Start**

Attempt to start sessions using ClickOnce or Java. If this option is unchecked, the customer client must be manually downloaded and run.

## **Disable Public Site Indexing**

Check **Disable Public Site Indexing** to prevent search engines from indexing public sites hosted by your B Series Appliance.

# **Miscellaneous**

## **Days to Keep Logging Information**

In **Days to Keep Logging Information**, you can set how long logging information should be stored on the B Series Appliance. This information includes the session reporting data and recordings. The maximum duration for which session reporting data and recordings can be retained on a B Series Appliance is 90 days. This is the default value in a new installation. It is possible that session recordings for some sessions within the retention time frame are not available. This could be caused by disk space constraints or the **Days to Keep Logging Information** setting.

The BeyondTrust Appliance B Series runs a maintenance script every day that ensures disk usage does not exceed 90%. Should this be exceeded, the script begins deleting session recordings based on a formula until the disk usage is less than 90%. If the **Days to Keep Logging Information** setting was recently changed, the new setting may take up to 24 hours to go into effect.

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If data or recordings must be retained beyond the configured limit, BeyondTrust recommends using the <u>Integration Client</u> (<u>www.beyondtrust.com/docs/remote-support/how-to/integrations/ic</u>) or the <u>Reporting API</u> (<u>www.beyondtrust.com/docs/remote-support/how-to/integrations/api/reporting</u>).

## Days to Keep Jump Item Logging Information

Choose how long Jump Item reporting data will be accessible from the appliance. Because data is purged only once a day, it may actually be accessible for up to 24 hours beyond what is selected here.

## **Enable Chat History Recovery**

Check this box so that if a session is interrupted and then resumed, the chat window will recover the chat messages.

# **Require Remote Support Client Verification During Elevation Attempts**

You must provide remote support client verification during elevation.

# **SSL Certificate Validation**

You can require **SSL Certificate Validation** to force BeyondTrust software - including representative consoles, customer clients, presentation clients, and Jump Clients - to verify that the certificate chain is trusted, that the certificate has not expired, and that the certificate name matches the B Series Appliance hostname. If the certificate chain cannot be properly validated, the connection is not allowed.

If certificate verification has been disabled and is then enabled, all consoles and clients automatically upgrade the next time they connect. Note that LDAP connection agents are not automatically upgraded but must be reinstalled for this setting to take effect.

When **SSL Certificate Validation** is enabled, security checks in addition to BeyondTrust's built-in security are performed to validate the SSL certificate chain being used to secure communications. It is highly recommended that you do enable SSL validation. If certificate validation is disabled, a warning message appears on your administrative interface. You can hide this message for thirty days.

**Note:** To enable SSL certificate validation, you must provide your SSL certificate to BeyondTrust so that the certificate can be embedded within your BeyondTrust software.

For more information, please see <u>SSL Certificates and BeyondTrust Remote Support</u> at https://www.beyondtrust.com/docs/remote-support/how-to/sslcertificates/index.htm.

# **Network Restrictions**

Determine which IP networks should be able to access /login, /api, and the representative console on your BeyondTrust Appliance B Series. If you enable network restrictions, you can also enforce the networks on which representative consoles may be used.

#### Define network rules for the following interfaces:

#### Admin Interface (/login) and API Interface (/api)

- Always apply network restrictions: when selected, you have the option of creating either an allow list containing only allowed networks, or a deny list containing networks that are denied access. When this option is selected, you can determine which restrictions, if any, should apply to the desktop, mobile, and web access consoles.
- **Never apply network restrictions**: when selected, no restrictions are applied and no other options are available to apply restrictions to the desktop, mobile, and web console.

#### **Desktop and Mobile Representative Console**

- Always apply network restrictions: when selected, it inherits the network restrictions entered for the Admin interface.
- Never apply network restrictions: when selected, no restrictions are applied to the desktop and mobile consoles, but you have the option to apply restrictions to the web representative console.
- Only apply network restrictions for user's first authentication: this applies restrictions selected above, but only when the user first logs in.

#### Web Console (/console)

- Always apply network restrictions: when selected, the web representative console inherits the restrictions entered for the admin interface.
- **Never apply network restrictions**: when selected, no restrictions are applied to the web representative console, even if restrictions are in effect for the other access console methods.
- For more information, please see <u>Web Rep Console Guide</u> at <u>https://www.beyondtrust.com/docs/remote-support/getting-</u> started/rep-console/web/index.htm.

#### Define your network restrictions:

Enter network address prefixes, one per line. Netmasks are optional, and they can be given in either dotted-decimal or integer bitmask format. Entries that omit a netmask are assumed to be single IP addresses.

- Allow list: Allow only the specified networks
- Deny list: Deny the specified networks.

# **Proxy Configuration**

Configure a proxy server to control the dataflow for information sent from the B Series Appliance. This applies to outbound events and API calls.

# **Proxy Protocol**

Configure HTTP or HTTPS proxy types for outbound connectivity from the B Series Appliance.

# **Enable Proxy Configuration**

Check the box to enable the outbound proxy settings.

#### **Proxy Host**

Enter the IP address or hostname of your proxy server.

#### **Proxy Port**

Enter the port your proxy server uses. The default port is 1080.

## **Proxy Username and Password**

If your proxy server requires authentication, enter a username and password.

## Test

Click **Test** to ensure configuration settings are entered correctly. The current test result is displayed in the **Last Test Result** area. Error messages indicate where configuration settings must be corrected.

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# Site Configuration: Enable Prerequisite Login Agreement

🔯 Management

SITE CONFIGURATION

# /login Prerequisite Login Agreement

## **Enable Login Agreement**

You can enable a login agreement that users must accept before accessing the /login administrative interface or the representative console. The configurable agreement allows you to specify restrictions and internal policy rules before users are allowed to log in.

## **Agreement Title**

Customize the title of the agreement. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

## **Agreement Text**

Provide the text for the login agreement. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

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# Email Configuration: Configure the Software to Send Emails

🔯 Management

EMAIL CONFIGURATION

# Email Address

**Note:** If a B Series Appliance is designated as a backup B Series Appliance or a traffic node, the email configuration for that B Series Appliance will be overwritten with the email configuration defined on the primary B Series Appliance.

#### From Address

Set the email address from which automatic messages from your B Series Appliance will be sent.

# **SMTP Relay Server**

Configure your B Series Appliance to work with your SMTP relay server in order to send automatic email notifications of certain events.

#### **SMTP Relay Server**

Enter the hostname or IP address of your SMTP relay server.

## **SMTP Port**

Set the SMTP port to contact this server on.

## **SMTP Encryption**

Based on your SMTP server settings, choose TLS, STARTTLS, or None.

#### SMTP Username

If your SMTP server requires authentication, enter a username.

#### SMTP Password

If your SMTP server requires authentication, enter a password.

# **Admin Contact**

#### **Default Admin Contact Email Addresses**

Enter one or more email addresses to which emails should be sent. Separate addresses with a space.

## Send Daily Communication Notice

You can have the B Series Appliance send a daily notification to ensure that alert communication is working correctly.

#### Send a test email when the settings are saved

If you wish to receive an immediate test email to verify that your SMTP settings are accurately configured, check this option before clicking the **Save** button.

In addition to the test email and daily communication notices that can be configured above, emails are sent for the following events:

- During any failover operation, the product version on the primary node does not match the product version on the backup node.
- During a failover status check, any of the following problems are detected.
  - The current B Series Appliance is the primary node and a shared IP address is configured in /login, but its network interface is not enabled.
  - A shared IP address is configured in /login but is not listed as an IP address in /appliance.
  - The backup node could not contact the primary node, and it also could not contact any of the test IP addresses configured on the **Management > Failover** page.
  - The backup node could not contact any of the test IP addresses configured on the Management > Failover page.
  - The backup node's backup operations are disabled on the Management > Failover page.
  - The backup node unexpectedly failed to perform a probe of itself, indicating that it is malfunctioning.
  - The backup node failed to contact the primary node using the primary node's hostname.
  - Automatic failover is disabled, and the backup node failed to probe the primary node.
  - Automatic failover is enabled, and the backup node failed to probe the primary node. The backup node will automatically become the primary node if the primary node remains unresponsive.
  - Automatic failover is enabled, and the backup node is automatically becoming the primary node because the primary node was down for too long.
  - The primary node failed to perform a data sync with the backup node sometime in the past 24 hours.

# **Outbound Events: Set Events to Trigger Messages**

🔯 Management

OUTBOUND EVENTS

# **HTTP Recipients**

You can configure your B Series Appliance to send messages to an HTTP server or to an email address when different events are triggered.

The variables sent by the B Series Appliance arrive as an HTTP POST method and can be accessed by calling the method used to retrieve POST data in your coding language. If the server does not respond with an HTTP 200 to indicate success, the B Series Appliance will re-queue the current event and retry it later.

# Add, Edit, Delete

Create a new recipient, modify an existing recipient, or remove an existing recipient.

# Add or Edit HTTP Recipient

#### Enabled

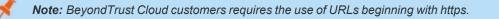
You can uncheck the **Enabled** checkbox to quickly stop the messages for the event handler you set up, as in the event of planned integration testing, for instance.

#### Name

Create a unique name to help identify this recipient.

#### URL

Enter the destination URL for this outbound event handler.



## Use a CA Certificate

When operating over an HTTPS connection, you must upload the certificate authority's root certificate advertised by the outbound event server.

# Send Custom Fields

Choose if custom fields and their values should be sent with the outbound event.

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 TC: 3/29/2023

# BeyondTrust

# **Events to Send**

Choose which events should trigger messages to be sent.

## **Retry Interval**

Set how often to retry a failed attempt.

## **Retry Duration**

If an event continues to retry and fail, set how long it should continue to retry before being dropped.

## **Email Contact**

Enter one or more email addresses to which notification should be sent if an error should occur.

# Send Email Alert After

Set how long after an error the email should be sent; if the problem is resolved before this time is reached and the event succeeds, no error notification will be sent.

## **Resend Email Alerts**

Set how often error emails should be sent if a failed status should continue.

# **Email Recipients**

# Add, Edit, Delete

Create a new recipient, modify an existing recipient, or remove an existing recipient.

## **Retry Duration**

If an event continues to retry and fail, set how long it should continue to retry before being dropped.

# Add or Edit Email Recipient

Before you set up your B Series Appliance to send event messages to an email address, verify that your B Series Appliance is configured to work with your SMTP relay server. Go to the **Management > Email Configuration** page to verify settings.

## Enabled

Use the **Enabled** checkbox to quickly stop the messages for the event handler you set up, as in the event of planned integration testing, for instance.

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# BeyondTrust

#### Name

Create a unique name to help identify this recipient.

#### Email

Enter the email address to receive notice of the selected events. You can configure up to ten email addresses, separated by commas.

# **Require External Key**

If this option is checked, emails will be sent only for sessions which have an external key at the time the event occurs.

# **Events to Send**

Choose which events should trigger messages to be sent.

## Subject

Customize the subject of this email. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

## Body

Customize the body of this email. Use any of the macros listed below this field in the /login page to customize the text for your purposes. You can localize this text for any languages you have enabled. To revert to the default text, delete the text from the field and then save the blank field.

For more information, please see <u>Outbound Events Reference Guide -- Variables and Macros</u> at https://www.beyondtrust.com/docs/remote-support/how-to/integrations/outbound-events/index.htm.

# API Configuration: Enable the XML API and Configure Custom Fields

🔯 Management

**API CONFIGURATION** 

# **API Configuration**

## Enable XML API

Choose to enable the BeyondTrust XML API, allowing you to run reports and issue commands such as starting or transferring sessions from external applications, as well as to automatically back up your software configuration.

**Note:** Only the **Command**, **Reporting**, and **Client Scripting API** calls are enabled/disabled by this setting. Other API calls are configured under **Public Portals**.

For more information, please see the <u>API Programmer's Guide</u> at <u>www.beyondtrust.com/docs/remote-support/how-</u> to/integrations/api.

## Enable Archive API

Choose to enable the state archive API to download logs of the B Series Appliance's state and of events that occurred on a given date.

# **API Accounts**

An API account stores all of the authentication and authorization settings for the API client. At least one API account is required to use the API, either in conjunction with the Integration Client, with a third-party app, or with your own in-house developed software.

## Add, Edit, Delete

Create a new account, modify an existing account, or remove an existing account.

# Add or Edit an API Account

## Enabled

If checked, this account is allowed to authenticate to the API. When an account is disabled, all OAuth tokens associated with the account are immediately disabled.

#### Name

Create a unique name to help identify this account.

# **OAuth Client ID**

The OAuth client ID and client secret are used to create OAuth tokens, necessary for authenticating to the API.

The OAuth client ID is a unique ID generated by the B Series Appliance. It cannot be modified. The client ID is considered public information and, therefore, can be shared without compromising the security of the integration.

## Comments

Add comments to help identify the purpose of this account.

# **OAuth Client Secret**

The OAuth client secret is generated by the B Series Appliance using a cryptographically secure pseudo-random number generator.

**Note:** The client secret cannot be modified, but it can be regenerated on the **Edit** page. Regenerating a client secret and then saving the account immediately invalidates any OAuth tokens associated with the account. Any API calls using those tokens will be unable to access the API.

# Permissions

Select the areas of the API this account is allowed to use.

# **Command API**

For the command API, choose to deny access, to allow read-only access, or to allow full access.

# **Reporting API**

For the reporting API, set if this account has access to support session reports and recordings, presentation session reports and recordings, license usage reports, archive reports, and Vault account activity reports.

## **Backup API**

Set if this account can use the backup API.

# **Configuration API**

Set if this account can use the configuration API and, if so, if it can manage Vault accounts.

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# Real-Time State API

Set if this account can use the real-time state API.

## **Endpoint Credential Manager API**

Set if this account can use the endpoint credential manager API.

# **Network Restrictions**

List network address prefixes from which this account can authenticate.



#### **Network Address Allow List**

Enter the network addresses you wish to add to the allow list.

# Support: Contact BeyondTrust Technical Support

🔯 Management

SUPPORT

# **BeyondTrust Support Contact Information**

The support page provides contact information should you need to contact a BeyondTrust Technical Support representative.

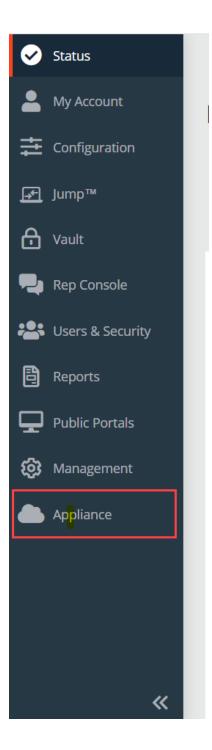
# Advanced Technical Support from BeyondTrust

In the event that a BeyondTrust Technical Support representative should need access to your B Series Appliance, they will provide you with support, access, and override codes to enter on this page to create an appliance-initiated, fully encrypted support tunnel back to BeyondTrust for quick resolution of complex issues.

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# **BeyondTrust Cloud Deployment**

BeyondTrust Cloud customers access B Series Appliance settings from the **Appliance** tab of the /login interface. Clicking the **/login > Appliance** tab opens a new browser tab, where you have access to a select set of B Series Appliance features.



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# Status > Basics: View Cloud Appliance Details

STAT	US	USERS	NETWORKING	STORAGE	SECURITY	UPDATES	SUPPORT
BASICS	HEAL	ГН					

The **Basics** page gives you information about your BeyondTrust Appliance B Series and allows you to monitor your system.

Appliance M	del Virtual Appliance (br.v.2)
Host Hyperv	isor Vilware
Serial Nun	ber 4C7F1-D8238-6D88E-E90C8
System G	UID a5e2c48ddc4a40578a3d2ea0f3a12332
Base Software Ver	ion 6.1.1 (44144-e72d3cca2a0b3302c938ff1923683c2b0787e121)
Service F	ack 31
System Architec	ure x64
Firmware Ver	ion 6
Firmware Build I	ate Fri Jan 29, 2021 02:32:49 UTC
System Up-T	ime 91 days, 8.28
Proces	ses 0.20, 0.18, 0.18 (0)
System T	ime Thu, Oct 14, 2021, 9:27:04 PM UTC
Time Z	one UTC v

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# Storage > Encryption: Encrypt Session Data



The **Encryption** section allows you to encrypt session data stored on your BeyondTrust Appliance B Series. When first encrypting your data, you are limited to 4GB or less of data; however, after the initial encryption, this 4GB limit no longer applies.

If you have not already created a secret store, go to Security > Secret Store to add one.

For more information, please see Secret Store.

**Note:** If you have more than 4GB of data to initially encrypt, please contact BeyondTrust Technical Support at www.beyondtrust.com/support.

Storage :: Encryption

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Storage Encryption Status: Not Encrypted
Encrypt
The storage encryption key will be stored locally. Click here to add a secret store

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# Security > Certificates: Create and Manage TLS Certificates

ST	ATUS	USERS	NETWOR	RKING	STORAGE	SECU	JRITY	UPDATES	SUPPORT	
CERTIF	ICATES	TLS CONFI	GURATION	APPLIA	NCE ADMINIST	RATION	EMAIL	CONFIGURATIO	ON SECRET S	TORE

Manage TLS certificates, create certificate requests, and import certificates signed by a certificate authority.

# **Certificate Installation**

The BeyondTrust Cloud Appliance comes with a pre-installed certificate signed by a certificate authority (CA). This certificate validates the \*.beyondtrustcloud.com domain. If you wish to change the fully qualified domain name (FQDN) of your B Series Appliance, you must install a CA-signed certificate which validates your new FQDN. To do this, you must create a certificate signing request (CSR) from the BeyondTrust Cloud Appliance as described below, or use Let's Encrypt to obtain a certificate. If you choose a custom hostname for your B Series Appliance, you may use the built-in Let's Encrypt functionality for your SSL certificate.



For more information on certificates, see <u>SSL Certificates and BeyondTrust Remote Support</u> at <u>www.beyondtrust.com/docs/remote-support/how-to/sslcertificates</u>.</u>

## Let's Encrypt

Let's Encrypt issues signed certificates which are valid for 90 days, yet have the capability of automatically renewing themselves indefinitely. In order to request a Let's Encrypt certificate, or to renew one in the future, you must meet the following requirements:

- The DNS for the hostname you are requesting must resolve to the B Series Appliance.
- The B Series Appliance must be able to reach Let's Encrypt on TCP 443.
- Let's Encrypt must be able to reach the B Series Appliance on TCP 80.

#### For more information, please see letsencrypt.org.

To implement a Let's Encrypt certificate, In the **Security :: Let's Encrypt™ Certificates** section:

- Enter the fully qualified domain name (FQDN) of the B Series Appliance in the **Hostname** field.
- Security :: Let's Encrypt<sup>®</sup> Certificates

  Let's Encrypt<sup>®</sup> a letw, automate, and open Certificate Authorby that provides TLS certificates.
  Using the Let's Encrypt server, this Security and Applications Cardinal and automatically innew its swin TLS Certificates, hands-free and free of charge. For
  Request New Certificate
  Encrypt Security Secur

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- Use the dropdown to choose the certificate key type.
- Click Request.

As long as the above requirements are met, this results in a certificate that will automatically renew every 90 days once the validity check with Let's Encrypt has completed.

**Note:** The B Series Appliance starts the certificate renewal process 30 days before the certificate is due to expire and requires the same process as the original request process does. If it has been unsuccessful 25 days prior to expiry, the B Series Appliance sends daily admin email alerts (if email notifications are enabled). The status will show the certificate in an error state.

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# ) IMPORTANT!

Because DNS can apply only to one B Series Appliance at a time, and because a B Series Appliance must be assigned the DNS hostname for which it makes a certificate request or renewal request, we recommend that you avoid use of Let's Encrypt certificates for failover B Series Appliance pairs.

# **Other CA-Issued Certificates**

To create a certificate request:

- Locate the Security :: Other Certificates section and click Create.
- In **Certificate Friendly Name**, enter a name you will use to identify this certificate.
- From the **Key** dropdown, choose the **Existing Key** of your \*.beyondtrustcloud.com certificate.
- Enter the remaining information pertaining to your organization.
- In the Name (Common Name) field, enter a descriptive title for your BeyondTrust site.
- In the Subject Alternative Names section, enter your BeyondTrust site hostname and click Add. Add a SAN for each DNS name or IP address to be protected by this SSL certificate.

Security :: Other Certificates		
Select Action 🖂 Apply		Create Import
Security :: Certificates :: New Ce	rtificate	
Certificate Friendly Name		
*Key	choose	
*Subject Name	Country (Two character ISO 3166 code)	
	State/Province	
	City (Locality)	
	Organization	
	Organizational Unit	
	Name (Common Name)	
Subject Alternative Names	DNS Address  Add	~
	Add Remov	
Create Certificate Request Create	Self-Signed Certificate	

**Note:** DNS addresses can be entered as fully qualified domain names, such as access.example.com, or as wildcard domain names, such as \*.example.com. A wildcard domain name covers multiple subdomains, such as access.example.com, and so forth.

#### Click Create Certificate Request.

To use a CA-signed certificate, contact a certificate authority of your choice and purchase a new certificate from them using the CSR you created in BeyondTrust. Once the purchase is complete, the CA will send you one or more new certificate files, each of which you must install on the B Series Appliance.

Security :: Import Certificate	
Certificate or Private Key: Browse No file selected.	
(Optional) Password:	
Upload	
The following certificate and private key formats are acceptable:	
DER-encoded X590 certificate (csc.det.ct)     PEIA-response DER-encode X500 certificate (csc.det.ct)     DER-encode DER-encode X500 certificate (csc.det.ct)     DER-encode PKCS BF profile (ksc.det.ct)     DER-encode PKCS BF profile (ksc.det.ct)     DER-encoded DenesSL Leagac/PMrate Ksg (ks)     PEIA-wrapped DER-encoded OpenSSL Leagac/PMrate Ksg (psm. ksg)	

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To upload your new certificate files, click **Import**. Browse to the first file and upload it. Repeat this for each certificate sent by your CA. Often, a CA will

not sent their root certificate, which must be installed on your B Series Appliance. If the root is missing, a warning appears beneath your new certificate: "The certificate chain appears to be missing one or more certificate authorities and does not appear to terminate in a self-signed certificate".

To download the root certificate for your B Series Appliance certificate, check the information sent from your CA for a link to the appropriate root. If there is none, contact the CA to obtain it. If this is impractical, search their website for their root certificate store. This contains all the root certificates of the CA, and all major CAs publish their root store online.

Usually, the easiest way to find the correct root for your certificate is to open the certificate file on your local machine and inspect its "Certification Path" or "Certificate Hierarchy". The root of this hierarchy or path is typically shown at the top of the tree. Locate this root certificate on the root store of your CA's online root store. Once done, download it from the CA's root store and import it to your B Series Appliance as described above.

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# BeyondTrust

# Certificates

View a table of SSL certificates available on your B Series Appliance.

S	- Select Action 🔽 Apply						
	Friendly Name	Issued To	Issued By	Expiration	Alternative Name(s)	Private Key?	Default
	* example.com 1 Warning(s)	* example.com	DigiCert SHA2 High Assurance Server CA	2019-09-18 12:00:00 GMT	dNSName - * example.com dNSName - example.com	Yes	٩
	Bomgar Appliance 2 Warning(s)	Bomgar Appliance	Bomgar Appliance	2019-10-25 13:50:00 GMT	No Supported Names	Yes	
	DigiCert SHA2 High Assurance Server CA	DigiCert SHA2 High Assurance Server CA	DigiCert High Assurance EV Root CA	2028-10-22 12:00:00 GMT	No Supported Names	No	

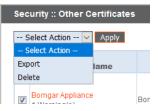
For connections that do not supply a Server Name Indication (SNI) or supply an incorrect SNI, select a default SSL certificate from the list to provide for these connections by clicking the button under the **Default** column. The default SSL certificate cannot be a self-signed certificate nor the default B Series Appliance certificate provided for initial installation.



Click a certificate name to view details and manage its certificate chain.

Certificate Friendly Name	support.example.com			
Subject Name	CHe <sup>-1</sup> qa.bongar.com     Obl-fulnnih Support     Longar.bon     Longar.bon     Longar.bon     Condition     Condition			
Issuer Name	CNi-DiglCert SH42 High Assurance Server CA     Ol=verwer diglent.com     or=DiglCert.inc     C=US			
Serial Number	15479704918908576551449670942311198506			
Signature Type	sha256WithRSAEncryption			
Not Valid Before	2018-01-06 00:00:00 GMT			
Not Valid After	2019-03-27 12:00:00 GMT RSA (2048 Bits) Available			
Public Key				
Private Key				
Subject Alternative Names	dNSName - support example.com     dNSName - businesscompany.example.org			
Authority Info Access	http://cacerts.digicert.com/DigiCertSHA2HighAssuranceServerCA.crt			
Certificate Chain	Prefamatic Current Charit: Otholgical SH40 High Assurance Server CA, OUrwww.digleant.com, OnDigCent Inc, ChUS Otholgical SH40 High Assurance EV Roat CA, OUrwww.digleant.com, OnDigCent Inc, ChUS Otholayad Section Otholayad Section Tororae			

To export one or more certificates, check the box for each desired certificate, select **Export** from the dropdown at the top of the table, and then click **Apply**.



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## REMOTE SUPPORT 22.2 CLOUD ADMIN GUIDE

If you are exporting only one certificate, you immediately can choose to include the certificate and/or the certificate chain if available. Click **Export** to start the download.

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The following file fo	rmats will be used when exporting. All exported files will be in binary format.
DER	
Used when PKC S#8	exporting just the server certificate.
	exporting just the private key.
PKC S#7	exponently just and private inclu-
	exporting multiple certificates.
PKC S#12	exporting the server certificate and private key, with or without the server certificate chain.
Certificate: sup	port-example.com
Include Certifica	ate
Include Private	Key
Include Private	Көу
Include Private	
Include Certificate	Chain
Include Certificate CN=Example Sr CN=Example	Chain Sundy (GAAI OA Rood, OLl-www.centflicatesuthordy.example.com, Ole-Eliampie Security, CHUS Security St.C.M.O. Ul-www.centflicatesuthordy.example.com, Ole-Earnpie Security, CHUS
Include Certificate CN=Example Si CN=Example CN=Example CN=Example	Chain Cealin Global CA Root, OU=www.certificateauthority.example.com, O=Example Security, C=US

If you are exporting multiple certificates, you will have the option to export each certificate individually or in a single PKCS#7 file.

When selecting to export multiple certificates as one file, click **Continue** to start the download. With this option, only the actual certificate files will be exported, without any certificate chains.

To include certificate chains in the export, select individual export and click **Continue** to view all selected certificates. For each listing, choose to include the certificate and/or the certificate chain if available. Click **Export** to start the download.

DER	g file formats will be used when exporting. All exported files will be in binary format.
	d when exporting just the server certificate.
PKC S#8	
PKCS#7	f when exporting just the private key.
	i when exporting multiple certificates.
PKCS#12 Us	I when exporting the server certificate and private key, with or without the server certificate chain.
You have s	lected multiple certificates for export. Would you like to:
Export	ach selected certificate individually, allowing you to optionally include private keys and certificate chains.
O Export Continue	I of the selected the certificates as a single PKCS#7 file, without private keys or certificates other than the ones selected
	Certificates :: Export

Security " Certificates " Export

Delete Cancel

The following file formats will be used when exporting. All exported files will be in binary format.	
DER	
Used when exporting just the server certificate.	
Used when exporting just the private key,	
PKC S#7	
Used when exporting multiple certificates. PKCS#12	
Used when exporting the server certificate and private key, with or without the server certificate chain.	
Certificate: ".qabomgarcloud.com	
Include Certificate	
Include Private Key	
Include Certificate Chain	
CN=DigiCert SHA2 High Assurance Server CA, OU=www.digicert.com, O=DigiCert Inc, C=US	
Export	
Export	
Certificate: DigiCert SHA2 High Assurance Server CA	
Include Certificate	
Include Private Key	
Include Certificate Chain	
Export	

To delete one or more certificates, check the box for each desired certificate, select **Delete** from the dropdown at the top of the table, and then click **Apply**.



**Note:** Under normal circumstances, a certificate should never be deleted unless it has already been successfully replaced by a working substitute.

To confirm accuracy, review the certificates you wish to delete, and then click **Delete**.

		1	× 4 14/	00	
ty :: Certifi	icates :: Delete				
u sure you	wish to delete	the following certificates?			
dly Name	Issued To	Issued By	Expiration	Alternative Name(s)	Private Key?
		Distort OLMO Link Assurance Course OA	2024 04 20 42 02 00 01	dNSName - *.qa.bomgar.com	Vez

Security :: Other Certificates

Apply

lame

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-- Select Action -- 🗸

- Bomgar Appliance

- Select Action

Delete

# **Certificate Requests**

View a table of pending requests for third-party-signed certificates. Click a certificate request name to view details.

ertificate Requests								
Select Action V Apply								
Subject	Alternative Name(s)	Fingerprint						
CN=support.example.org. OU=Potato Peeling Division, O=The Example Company, L=Ridgeland, ST=MS, C=US	<ul> <li>dNSName - *.example.org</li> </ul>	a23cb5f1ad7a6da3114dab19eeaf07b47590b6a						
CN=support.example.net, OU=Potato Peeling Division, O=The Example Company, L=Ridgeland, ST=MS, C=US	• dNSName - *.example.net	a6c2c79523647e106d52d37e2cc262e646bf4f5						

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# BeyondTrust

The detail view also provides the request data you will give your preferred certificate authority when requesting a signed certificate.



**Note:** If you are renewing a certificate, use the same certificate Request Data that was used for the original certificate.

Subject Name	CM-support example org     OC-Support     Ore-Support     C-Support     C-Support     C-Support     C-Support     C-Support     C-Support     C-Support     C-Support     C-Support	
Public Key	RSA (2048 Bits)	
Alternative Names	dNSName - support.example.org     dNSName - ".example.org	
Request Data	BSDI CERTIFICATE BQUEET BUILDENCINALSSELLE BQUEET BUILDENCINALSSELLE CERTIFICATE BUILDENCINALSSELLE BUILDENCINALSSELLE CERTIFICATE BUILDENCINALSSELLE BUILDENCINALSSELLE CERTIFICATE BUILDENCINALSSELLE BUILDENCINALSSELLE BUILDENCINALSSELLE CERTIFICATE BUILDENCINALSSEL	

Se

To delete one or more certificate requests, check the box for each desired request, select **Delete** from the dropdown at the top of the table, and then click **Apply**.

Certificate Reques	sts
Select Action 🗸	Apply
- Select Action -	Cubi
Delete	Subj
CN=support.exam	ple.org, OU=Potato Pe

To confirm accuracy, review the certificate requests you wish to delete, and then click **Delete**.

Subject	Alternative Name(s)	Fingerprint
CN=support example net, OU=Support, O=Business Company, L=Ridgeland, ST=MS, C=US	<ul> <li>dNSName - support.example.net</li> <li>dNSName - remote.support.example.net</li> </ul>	c29d393db34db2f9141a2e55bd10a85b08e610c4

# Create a Custom Hostname for Your BeyondTrust Cloud Site

To configure your BeyondTrust Cloud Appliance with a custom URL that matches your domain name, you can follow the steps below.

- 1. Register your custom CNAME in DNS (internal and external (web host) if necessary), and point it to the BeyondTrust-supplied URL of your Cloud Appliance.
- 2. Once the site is online, create a certificate signing request (CSR) for submission to your certificate authority.

Note: If you are using an existing wildcard SSL certificate, you can skip to step 5.

- a. To create the CSR, log in to the /login web interface of your BeyondTrust Cloud Appliance and go to Appliance > Security > Certificates.
- b. In the Security :: Certificate Installation section, click Create, and then fill out the CSR form.
  - i. Certificate Friendly Name: Enter your requested CNAME URL.
  - ii. Key: 2048 or 4096. Verify with your certificate authority which key strengths they support. Larger key sizes normally require more processing overhead and may not be supported by older systems. However, smaller key sizes are likely to become obsolete or insecure sooner than larger ones.
  - iii. Country: Enter your organization's two-character Country code. If you are unsure of your country code, please visit www.iso.org/iso-3166-country-codes.html.
  - iv. State/Province: Enter your State/Province name if applicable. Enter the full state name, as some certificate authorities will not accept a state abbreviation.
  - v. City (Locality): Enter your City (Locality).
  - vi. Organization: Provide the name of your company.
  - vii. Organizational Unit: This is normally the group or department within the organization managing the certificate and/or the BeyondTrust deployment for the organization.
  - viii. Name (Common Name): Enter your requested CNAME URL.
  - ix. Subject Alternative Name: Enter your requested CNAME URL and then click Add.
- c. Click Create Certificate Request and wait for the page to refresh.
- Export your new CSR.
  - a. Once back at the Certificates page, scroll down to the Security :: Certificate Requests section.
  - b. Click the subject of your new certificate request.
  - c. Select and copy the Request Data, including ----- BEGIN CERTIFICATE REQUEST ----- and ----- END CERTIFICATE REQUEST -----.
  - d. Copy the text to a text editor, and do not adjust formatting.
  - e. Save the document to your workstation as a plain text document such as **BeyondTrustCertRequest.txt**.
- 4. Obtain your SSL certificate from a certificate authority.
  - a. Log in to your certificate authority's web site to obtain your SSL certificate.
  - b. When asked to submit your CSR, paste the entire text of your BeyondTrust CSR into their site.
  - c. If required to select a web server type, submit that the server is Apache-compatible. If given more than one Apache type as options, select Apache/ModSSL.

- 5. Import your entire SSL certificate chain to your BeyondTrust Cloud Appliance.
  - a. Log in to your /login web interface and navigate to Appliance > Security > Certificates.
  - b. Click Import.
  - c. Browse to each of your SSL certificate files, one at a time (unzipped).
  - d. Click Install Certificate if prompted.

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**Note:** If you are importing an SSL certificate from another server, you must import its associated private key file, as well.

- 6. Send your SSL certificate chain to BeyondTrust Support. BeyondTrust needs this data to rebuild your site software.
  - a. Log in to your /login web interface and navigate to Appliance > Security > Certificates.
  - b. Find the certificate that is Issued To the new CNAME of your Cloud Appliance.
  - c. Check the box on the left of this particular certificate.
  - d. Click on the dropdown above, select **Export**, and then click **Apply**.
  - e. On the next page, uncheck the **Private Key** box. Make sure to check the boxes entitled **Include certificate** and **Include certificate chain**.
  - f. Click **Export** once more.

**Note:** If you are unable to check the box **Include certificate chain**, then you may be missing one or more certificate segments. Please contact BeyondTrust Support for assistance.

## MPORTANT!

DO NOT send your private key to BeyondTrust! Private key files usually end in the .p12 extension.

- g. Send an email to BeyondTrust Support with the downloaded SSL certificate file attached.
- 7. BeyondTrust Support uses your new SSL certificate data to build a custom software update. You will receive a separate email with installation instructions.
- 8. Assign an IP address to the SSL certificate.
  - After you apply the custom software update, log in to your /login interface and navigate to Appliance > Security > Certificates.
  - b. Click the **Default** radio button next to your new certificate.
  - c. On the next screen, scroll down the page, check the box for the IP address, and click Save.
- 9. You should now be able to use your custom CNAME to access your BeyondTrust Cloud site.

# Security > TLS Configuration: Choose TLS Ciphers and Versions

 STATUS
 USERS
 NETWORKING
 STORAGE
 SECURITY
 UPDATES
 SUPPORT

 CERTIFICATES
 TLS CONFIGURATION
 APPLIANCE ADMINISTRATION
 EMAIL CONFIGURATION
 SECRET STORE

Choose if TLSv1.1 and/or TLSv1 should be enabled or disabled. For optimum security, the BeyondTrust web interface always defaults to TLSv1.2 before switching to TLSv1.1 or TLSv1.0.

However, some older browsers may not support TLSv1.2. If you disable one or more of the older security protocols, and intend to access your administrative interface from an older browser which does not support the security protocols you have enabled, BeyondTrust will not allow you to log in. Enabling TLSv1.1 and TLSv1.0 allows you to connect to your web interface from any computer, regardless of browser version.

Note that this setting primarily affects connections to the web interface of your BeyondTrust Appliance B Series. The support tunnel between your computer and your customer's computer defaults to using TLSv1.2 regardless of any other security protocols you have enabled.

Select which Ciphersuites should be enabled or disabled on your B Series Appliance. Drag and drop Ciphersuites to change the order of preference. Note that changes to Ciphersuites do not take effect until the **Save** button is clicked.

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# Security > Appliance Administration: Set Syslog over TLS

 STATUS
 USERS
 NETWORKING
 STORAGE
 SECURITY
 UPDATES
 SUPPORT

 CERTIFICATES
 TLS CONFIGURATION
 APPLIANCE ADMINISTRATION
 EMAIL CONFIGURATION
 SECRET STORE

You can send syslog messages over an encrypted TLS connection to up to three syslog servers.

Enter the hostname or IP address of a syslog host server receiving system messages from this Cloud Appliance using the **local0** syslog facility. If needed, enter a custom port number. You may enter up to three commaseparated servers per field.

mote Syslog Server	Message Format	Port	
note.support.cm	RFC 5424 compliant	✓ 514	
	RFC 5424 compliant	v	
	RFC 5424 compliant	~	
ubmit			

Note: If a custom port number is not entered, Syslog over TLS defaults to TCP port 6514.

Note: While the Message Format appears as a dropdown, the only available selection is "Syslog over TLS (RFC 5425)".

Next, click Choose File to locate and upload a new trusted certificate. When finished, click Submit.

# ) IMPORTANT!

You must upload a new certificate whenever your current certificate expires. Otherwise you may experience a disruption in the syslog events being captured.

# Security > Email Configuration: Configure the Cloud Appliance to Send Email Alerts

 STATUS
 USERS
 NETWORKING
 STORAGE
 SECURITY
 UPDATES
 SUPPORT

 CERTIFICATES
 TLS CONFIGURATION
 APPLIANCE ADMINISTRATION
 EMAIL CONFIGURATION
 SECRET STORE

Your B Series Appliance can send you automatic email notifications. Emails are sent for the following events:

- Syslog Server has been Changed: A user on /appliance has changed the syslog server parameter.
- RAID Event: One or more RAID logical drives is not in Optimum state (Degraded or Partially Degraded).
- SSL Certificate Expiration Notice: An in-use SSL certificate (include either end-entity certificates or any CA certificate in the chain) expires in 90 days or less.

### **Configure via SMTP**

**Note:** This method does not work for some email services. Please see "Configure via OAuth2 for Microsoft Azure AD" on page 254 or "Configure via OAuth2 for Google" on page 257 for alternate configurations.

Security :: SMTP Relay Ser	ver
Send From Email Address	
	Enter a single email address. Email alerts from this Secure Remote Access Appliance will be sent with this as the "From" address.
SMTP Relay Server	Host
	Enter an open relay SMTP server, or an SMTP server that will accept email to the Admin Contact addresses below
	Port
	25
	The SMTP port is typically 25 or 587 for Encryption types: "None", "STARTTLS"; and 465 for Encryption type: "TLS".
Encryption	If your SMTP Server supports TLS Encryption, select the desired type
	None     O TLS
	O STARTTLS
Trusted Certificate	Upload a new Trusted Certificate
	Browse No file selected.
	If necessary, upload the trusted root certificate (in PEM format) presented by your SMTP server.
	□ Ignore TLS certificate errors.
	Only select this if you cannot provide the Trusted Certificate above. This could potentially make you vulnerable to TLS man-in-the-middle attacks.
SMTP Authentication	If your SMTP Server requires authentication, enter a username and password
	Username
	Password
	NOTE: Leave blank to keep the current password.
	Save Changes

After entering the email addresses for the administrator contacts, save your settings and send a test email to ensure everything works correctly.

Security :: Admin Con	tact
Admin Contact Email	Enter email addresses, one per line, to be notified of important System events
	Send a test email when the settings are saved.
	Save Changes

## Configure via OAuth2 for Microsoft Azure AD

Configuration requires changing settings on the BeyondTrust appliance and the Microsoft 365 subscription with Azure AD.

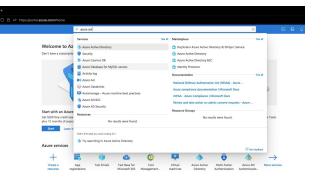
Start by changing settings on the BeyondTrust appliance:

- 1. Go to Appliance, click the Security tab and click Email Configuration.
- 2. Change the Authentication Method to OAuth2
- 3. Note the Authorization Redirect URI. It is required later.

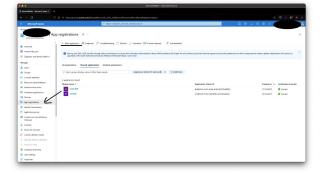
Before starting configuration on the Azure Active Directory, an Azure/Office 365 Administrator must enable Authenticated SMTP for each account on Exchange online. To do this, go to Office 365 Admin Portal (admin.microsoft.com) > Active Users > Mail > Manage Email apps and check Authenticated SMTP.

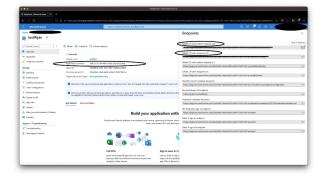
Once Authenticated SMTP is enabled, perform the following steps in the Azure console:

- 4. Log in to your Azure console (portal.Azure.com).
- 5. Go to Azure Active Directory.



- 6. Go to App registrations and select New registration.
- 7. Enter a name, such as Appliance-OAuth2.
- 8. Select the types of account you want to be able to log in to the application through OAuth2. Select **Single Tenant** for internal only.
- Enter the Redirect URI. This is the Authorization Redirect URI obtained from the BeyondTrust appliance at the start of this process.
- 10. Click Register.
- 11. On the **Overview Page** (selected from the left menu), note the **Application (client) ID**. It is required later.
- 12. Click Endpoints (above the Application (client) ID).
- 13. Note the OAuth2.0 authorization endpoint (v2) URI and the OAuth token endpoint (v2) URI. These are required later.





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14. On the **Certificates & secrets** page (selected from the left menu), note the **Client secret**. It is required later. If you do not have a **Client secret**, click **New client secret** to create one.

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x respector assistant							
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tantra							
3 Authentication	· Appleanen opposite or the	the same with the same	the contract of the table because				
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Token configuration	Centrates (2) Cleat avoid	(7) Hederated Condentials					
All parmissions	a server string that the application	our Monte in identity when	security at the dist on the	where it is a application paraword.			
G lapose at AT							
👫 Appinates	+ New client secont						
A Carleys	Dearlytion	Equitors	Velve O	Seavel 10			
& Roles and administrators   Previou	ng aas	4/14/0800		0	D N		
Manifed							
Support + Troubleshowting							
P TARABARA							
1 New support request.							

The remaining steps are done on the BeyondTrust appliance.

- 15. Go to Appliance, click the Security tab, and click Email Configuration.
- 16. Enter the following information noted earlier:
  - Authorization Endpoint
  - Token Endpoint
  - Client ID
  - Client Secret
- 17. Enter the email address for this service as the Send from Email Address and the User email.

**Note:** These addresses must match and be a valid account for Azure. If you have Anonymous Email (Send Email as Anyone) enabled for the Azure Tenant, you can add anything in the send email field. If not, use the username of the application owner and the Allowed Users.

- 18. Enter data for the Host, Encryption, and Port fields.
  - Host: smtp.office365.com
  - Encryption: STARTTLS
  - Port: 587

**Note:** Default data for Azure is shown, but your installation may use a different host or encryption method. The port is applicable for STARTTLS, but other encryption methods may use a different port.

- 19. Enter your TLS certificate if you have one. If not, check Ignore TLS certificate errors.
- 20. Enter the following for Scopes: https://outlook.office.com/SMTP.Send offline\_access
- 21. Click Save Changes.
- 22. Click **Authorize**. At the sign in page that appears, accept the permissions request. The mail setting page reloads, and the authorization button is replaced by an authorized message.
- 23. To test the configuration:
  - Add an Admin Contact Email.
  - Check Send a test email.
  - Click Save Changes.

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## **Configure via OAuth2 for Google**

Configuration requires changing settings on the BeyondTrustappliance and the Google Cloud Platform.

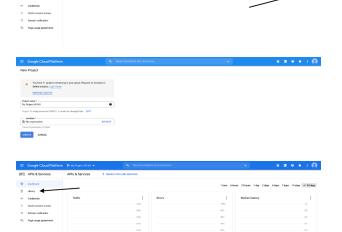
Start by changing settings on the BeyondTrust appliance:

- 1. Go to Appliance, click the Security tab and click Email Configuration.
- 2. Change the Authentication Method to OAuth2
- 3. Note the Authorization Redirect URI. It is required later.

Now log in to your Google Cloud Platform console (Google Dev Console) (<u>console.cloud.google.com</u>). Use the correct gmail account, as only the owner of the project is able to work with the project. If you do not already have a paid account, you may choose to purchase an account by clicking **Activate** in the top banner. BeyondTrust cannot provide assistance with purchasing an account. Click **Learn More** in the top banner for information regarding the limitations of free accounts.

- 4. Click CREATE PROJECT. You can also use an existing project.
- 5. Accept the default Project Name or enter a name.
- 6. Accept the default **Location** or select a folder from those available for your organization.
- 7. Click CREATE.
- The APIs and services page appears. Click Library in the left menu.

9. Search or browse for the Gmail API in the library, and click it.



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<ul> <li>Google Cloud Platform</li> <li>WT API Library</li> </ul>	🎝 My Project 48148 🗢	Q, gnailapi		×	۹. 8	<b>2 0 0 i</b>	0
With Lineary 3 "great epf" Werk by Artsony coople Companies APIs (1) mon(1) coople Workspace (1) ther (1)	M 6000	el API E chargen JPI • mel JPI vity yes over and manager formal authors data like three	ts, messages, and kälels.				
	Coop The G	Al Postmaster Tools API Is mail Postmaster API is a RESTM API that provides programmati eas website through the Small Postmaster Tools UC currently	access to email tuffic metrics (bia span	reports, delivery errers etc.)			

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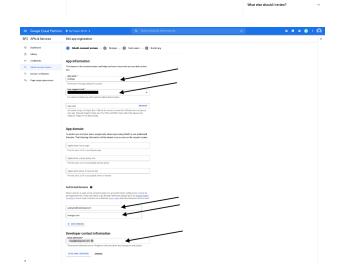
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10. The Gmail API appears on its own page. Click ENABLE.

BeyondTrust

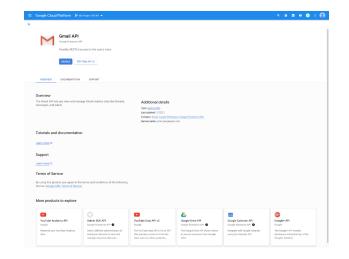
- 11. The **Gmail API Overview** page appears. Click **APIs & services** in the upper left.
- 12. The **APIs and services** page appears again. Click **OAuth consent screen** in the left menu.
- 13. Select the **User Type**. Internal allows only users from within the organization, but requires a Google Workspace account.
- 14. Click CREATE.

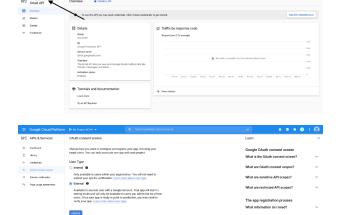
- 15. Enter the **App name**.
- 16. Enter a **User support email** address. This may default to the address you are using to create the project.
- 17. Enter a logo for the app, if desired. The **App domain** section is also optional.
- 18. Add the **Authorized domains**. For BeyondTrust test appliances, these are:
  - qabeyondtrustcloud.com
  - bomgar.com
- Enter the Developer contact information. This is the email address you are using to create the project.
- 20. Click SAVE AND CONTINUE.



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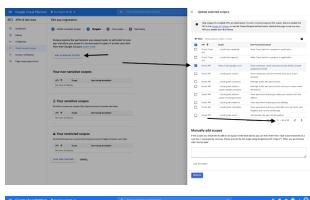
What if I don't verify my app? How long does the verification pr How many users can use my app Domain verification

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- 21. Under the Scopes tab, click ADD OR REMOVE SCOPES. This opens the Update selected scopes window.
- 22. Locate and check the scope **https://mail.google.com/** for the Gmail API.

Note: The API does not appear if it has not been enabled.

- 23. Click UPDATE. The Update selected scopes window closes.
- 24. Click SAVE AND CONTINUE.
- 25. Under the **Test users** tab, click **ADD USERS**. This opens the **Add Users** window. Add the users that have access to the application and click **ADD**. Note the limits on test user access and related restrictions.
- 26. Click SAVE AND CONTINUE.
- 27. Review the Summary, and make any necessary changes or corrections.
- 28. Click BACK TO DASHBOARD.
- 29. Click Credentials in the left menu.
- 30. Click **CREATE CREDENTIALS** in the top banner and select **OAuth** client ID.
- 31. On the create credentials page, select **Web application** for the **Application type**. Additional fields appear when this is selected.
- 32. Enter a name for the application.
- 33. Scroll down to Authorised redirect URIs and click ADD URI.
- 34. Enter the **Authorization Redirect URI** obtained from the BeyondTrust appliance at the start of this process.
- 35. Click CREATE.







=	Google Cloud Platform	In My Project 48149	<b>~</b>		۲	0	: (	9
API	APIs & Services	← Create OAuth client ID						
Φ	Dashboard	A client ID is used to identify a single app to Google's QAuth servers. If your app runs on						
12	Library	multiple platforms, each will need its own client ID. See <u>Setting up OAuth 2.0</u> for more information. Learn more about OAuth client types.						
•	Credentials	Application type *						
1F	QAuth consent screen	Nore *						
50	Domain verification	Santa test						
10	Page usage agreements	The name of your Otach 2.0 client, This name is only used to identify the client in the console and will not be shown to end users.						
		The domains of the URIs you add below will be subornatically added to     your <u>Out-In consent screen as sublocated domains</u> .						
		Authorized JavaScript origins						
		For use with requests from a browser						
		+ ADD URI						
		Authorized redirect URIs O						
		For use with requests from a web server						
		URb *						
		https://emtptest1234.qa.bompar.com/appliance/sauth2/						
		+ ADD URI						
		CREATE CANCEL						

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- 36. A window confirms creation of the OAuth client, and shows the **Client ID** and **Client Secret**. Click to download a JSON file. The file contains information that is needed in the next steps.
- 37. Click OK to return to the APIs and services page.

#### OAuth client created

The client ID and secret can always be accessed from Credentials in APIs & Services



The remaining steps are done on the BeyondTrust appliance.

- 38. Go to Appliance, click the Security tab and click Email Configuration.
- 39. Enter the following information, found in the downloaded JSON file:
  - Authorization Endpoint
  - Token Endpoint
  - Client ID
  - Client Secret
- 40. Enter any email address for this service as the Send from Email Address.
- 41. Enter the **User email**. This must be an email address entered as a **Test user** with access to the application, when you completed the OAuth consent screens.
- 42. Enter data for the Host, Encryption, and Port fields.
  - Host: smtp.gmail.com
  - Encryption: TLS
  - Port: 465

**Note:** Default data for Google is shown, but your installation may use a different host or encryption method. The port is applicable for TLS, but other encryption methods may use a different port.

- 43. Enter your TLS certificate if one is provided by Google. If not, check Ignore TLS certificate errors.
- 44. Enter the following for Scopes: https://mail.google.com
- 45. Click Save Changes.
- 46. Click **Authorize**. After the sign in page that appears, you may receive the warning **Google has not verified this message**, if you have not published the application. The consent page reloads, and the authorization button is replaced by an authorized message.

- 47. To test the configuration:
  - Add an Admin Contact Email.
  - Check Send a test email.
  - Click Save Changes.

## Security > Secret Store: Store and Access Secrets on the Cloud Appliance

 STATUS
 USERS
 NETWORKING
 STORAGE
 SECURITY
 UPDATES
 SUPPORT

 CERTIFICATES
 TLS CONFIGURATION
 APPLIANCE ADMINISTRATION
 EMAIL CONFIGURATION
 SECRET STORE

Create and manage secret keys stored in AWS and BeyondTrust DevOps Secrets Safe (DSS) to securely store encryption keys and site data. To add a secret store, select the store from the dropdown, and then click **Add Store**. Provide and save the information for the store as shown in the steps below.

ecret Stores		
Add Secret Store		
AWS Secrets Manager   Add Store		
AWS Secrets Manager		
AWS GovCloud Secrets Manager		Allow secrets to be stored locally for recove
BeyondTrust DevOps Secrets Safe	Count	Actions
	None	

ret Store :: Add

#### Add AWS Secret Store

- 1. Provide the Access Key ID, Secret Access Key, and Region.
- Check the Rotate Access Key box only if you are not using the credential in any other system.
- 3. Click Save Store.

#### Add BeyondTrust DevOps Secrets Safe Store

- 1. Enter the URL for your DSS instance.
- 2. Provide the Application Name you configured within DSS.
- 3. Provide the API key generated within DSS for the application.
- 4. Enter the **Secrets Scope** you configured with permissions within DSS.
- If using a self-signed certificate in DSS, add the Trusted Certificate. If using a CA certificate, you do not need to provide a trusted certificate.
- 6. Click Save Store.

After a secret store is added, click **Test** to verify connectivity to the secret store server, and to ensure correct permissions are in place for the credentials to access the secret store server.

*Secret Access Key		
Region	us-west-2 🗸	
Rotate Access Key	Automatically rotate access keys every 30 days This should only be enabled if no other system is configured to use these credentials.	
Required	Save Store	
Ensure this user has been	granted the following AWS permissions.	
ListSecrets     LetSecrets     GetSecretValue     GetSecretValue     CreateSecret     TagResource     UntagResource     UntagResource     UntagResource     LoaketsSecret     LoaketsSecret     LoaketsCessKey     CreataAccessKey     DaletaAccessKey     GetUser	granted the following AVIS permissions if Rotate Access Key is enabled.	

BeyondTrust DevOp	s Secrets Safe :: Add
•URL	https://dss.techcom.beyondtrust.com/secre
•Application Name	dssbtapp
•API key	2787efce-76da-513c-8ebe-65afd-10xyz-298
Secrets Scope	dsstechcom
<b>Trusted Certificate</b>	Browse No file selected.
Required	Save Store
Please ensure your Applic	ation/Machine User is configured with the following permissions on the configured scope:
<ul> <li>create</li> <li>read</li> <li>update</li> <li>delete</li> </ul>	

AWS Secrets Manager   Add Store			
Configured Secret Stores			
Name	Count	Actions	

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**Note:** Configuring a KMIP server for an encryption store is no longer supported in version 6.0 and later versions. If you have a KMIP server configured for your encryption prior to version 6.0, your KMIP server will be migrated to the Secret Store list where you may edit, delete, and test it.

Secret Stores					
Add Secret Store					
AWS Secrets Manager	Add Store				
Configured Secret	Stores		Allow se	crets to be stored lo	cally for recover
	Name	Gount		Actions	
	KMIP Server I	1	Edit	Delete	Test
	Kwin-perver [ i]		Edit	Delete	Test
KMIP Secret Store **	Edit				
	Eur				
*KMIP Server Hostname	dikmip qa bomgar.com				
*Port	5696 \$				
	Upload the root CA certificate that will be presented by the KMI	P server to verify its id	lentity during TLS ha	ndshake.	
Certificate	Current Trusted Certificate: DigiCert High Ass	urance EV Root	CA (expires: 2	031-11-10 00:00:00 G	(TM
	Choose File No file chosen				
Client TLS Certificate	This is the client certificate and private key we will use to authe bundle or a PKCS#12 (PFX) file.	nticate ourselves to th	e KMIP server during	g TLS handshake. You may	upload a single PEM
	Current Client Certificate: *.qa.bomgar.com (e	xpires: 2021-04-	30 12:00:00 GN	IT)	
	Choose File No file chosen				
	Passphrase				
Username	someuser				
Password					
•••	Leave blank to keep the current password				
*Required	Save Store				

**Note:** For added security, configure your AWS Identity and Access Management (IAM) Policy to limit access to resources matching **BeyondTrust-\*** on the following permissions:

- DescribeSecret
- GetSecretValue
- TagResource
- UntagResource
- CreateSecret
- DeleteSecret
- UpdateSecret

For more information on managing AWS IAM Policies, see <u>Managing IAM Policies</u> at <u>https://docs.aws.amazon.com/</u> IAM/latest/UserGuide/access\_policies\_manage.html.

Note: If you delete the last remote store, a message displays indicating secrets will be moved locally.

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## Updates: Check for Update Availability and Install Software in **BeyondTrust Cloud**

	CTATUO	HOLDO		0700405			CURRORT
STATUS USERS NETWORKING STORAGE SECURITY UPDATES SUPPORT	SIATUS	USERS	IS NETWORKING	STORAGE	SECURITY	UPDATES	SUPPORT

The B Series Appliance periodically checks for critical updates and emails the admin contact person when updates are available. You can select if you want the updates to install automatically and use the dropdown menu to select a time for the installation.

BeyondTrust will continue to notify you of the latest builds as they become available. Whenever you receive notification that new update packages have been built for your B Series Appliance, clicking the Check for Updates button will locate the packages and make them available for you to install.

If multiple software packages have been built for your B Series Appliance, each one will be listed separately in the list of available updates. Your new software is automatically downloaded and installed when you click the appropriate Install This Update button.

Updates :: Check	
When BeyondTrust releases updates to your software periodically, use this interface to view available updates and install select updates.	
Check for updates	

There are updates available to be	installed
Updates	
Remote Support-19.2.1 • Primary Hosmanne: kk2.qa.bomgar.com • Licenses: 5 • Char Licenses: 5	Install This Update
Expires: Never	

If no update packages or patches are available for your B Series Appliance,	When BeyondTrust rel
a message stating "No updates available" is displayed. If an update is	
available but an error occurred when distributing the update to your B	Check for updates
available but all error occurred when distributing the update to your B	
Series Appliance, an additional message is displayed, such as "An error	

occurred building your update. Please visit www.beyondtrust.com/docs/index.htm#support for more information."

Note: Please be prepared to install software updates directly after download. Once an update has been downloaded, it will no longer appear in your list of available updates. Should you need to redownload a software update, contact BeyondTrust Technical Support.

When the BeyondTrust End User License Agreement (EULA) screen appears, fill out the required contact information and click the Agree-Begin Download button to accept the EULA and continue the installation.

Note that if you chose to decline the EULA, an error message displays and you will not be able to update your BeyondTrust software.

If you have any issues updating after accepting the EULA, please contact BeyondTrust Technical Support at www.beyondtrust.com/support.

During the installation process, the Updates page will display a progress bar to notify you of the overall update progress. Updates made here will automatically update all sites and licenses on your BeyondTrust Appliance B Series.

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If you are installing a software update, logged-in representatives will temporarily lose connections to any support sessions and the representative console; therefore, schedule software updates for non-peak hours. However, if your update package contains only additional licenses, you can install the update without interrupting representative connections.

Find current information about the latest BeyondTrust updates at <a href="https://www.beyondtrust.com/docs/release-notes/remote-support/index.htm">https://www.beyondtrust.com/docs/release-notes/remote-support/index.htm</a>.

Please wait while the software is updating.

Note that installation progress may stop for long periods of time while data is being backed up.

You will be automatically redirected when the update is finished.

Do not refresh this page.

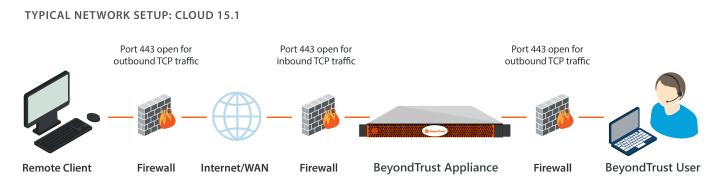
Do not reboot the appliance.

If an error occurs, please contact Beyond Trust Support

1% - Initializing...

# **Ports and Firewalls**

BeyondTrust solutions are designed to work transparently through firewalls, enabling a connection with any computer with internet connectivity, anywhere in the world. However, with certain highly secured networks, some configuration may be necessary.



- Port 443 must be open for outbound TCP traffic on the remote system's and local user's firewalls. More ports may be available depending on your build. The diagram shows a typical network setup; more details can be found in the <u>BeyondTrust Appliance B</u> Series Hardware Installation Guide.
- Internet security software such as software firewalls must not block BeyondTrust executable files from downloading. Some
  examples of software firewalls include McAfee Security, Norton Security, and Zone Alarm. If you do have a software firewall, you
  may experience some connection issues. To avoid such issues, configure your firewall settings to allow the following executables,
  wherein {uid} is a unique identifier consisting of letter and numbers:
  - bomgar-scc-{uid}.exe
  - bomgar-scc.exe
  - bomgar-pac-{uid}.exe
  - bomgar-pac.exe

For assistance with your firewall configuration, please contact the manufacturer of your firewall software.

 Example firewall rules based on B Series Appliance location can be found at <u>www.beyondtrust.com/docs/remote-support/getting-</u> started/deployment/dmz/firewall-rules.htm.

If you should still have difficulty making a connection, contact BeyondTrust Technical Support at www.beyondtrust.com/support

# **Disclaimers, Licensing Restrictions, and Tech Support**

## **Disclaimers**

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## **Licensing Restrictions**

One BeyondTrust Remote Support license enables one support representative at a time to troubleshoot an unlimited number of remote computers, whether attended or unattended. Although multiple accounts may exist on the same license, two or more licenses (one per concurrent support representative) are required to enable multiple support representatives to troubleshoot simultaneously.

## **Tech Support**

At BeyondTrust, we are committed to offering the highest quality service by ensuring that our customers have everything they need to operate with maximum productivity. Should you need any assistance, please contact <u>www.beyondtrust.com/support</u>.

Technical support is provided with annual purchase of our maintenance plan.

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