

Password Safe Version 6.10

New and Updated Features - February 11, 2020

Product Description

BeyondTrust Password Safe unifies privileged password and privileged session management, providing secure, automated discovery, management, auditing, and monitoring for any privileged credential—including for privileged and administrator accounts, applications, SSH keys, cloud admin accounts, and more). Password Safe enables organizations to achieve complete control and accountability over privileged accounts.

New Feature Highlights

Managed Systems

In this release of Password Safe we are introducing the concept of the Managed System which is a target for password management not directly related to a BeyondInsight Asset. This provides a clearer view over what is managed by Password Safe while also simplifying the onboarding process by adding targets that don't have a 1:1 relationship with an asset, e.g., a database cluster. Within the Managed Systems area users can directly add managed accounts to a managed system, edit managed systems or review managed system account details, including which smart groups they are featured in, enhancing visibility into smart rules configuration.

The addition of the Managed System as a first-class element within Password Safe also delivers a more logical organizational structure within the user interface, enhancing the user experience. A brand-new Managed System Smart Rule type has been added to allow granular roles-based access control (RBAC) to all Managed System types, including Directories and Cloud services, further enhancing the ability to segregate duties within the solution.

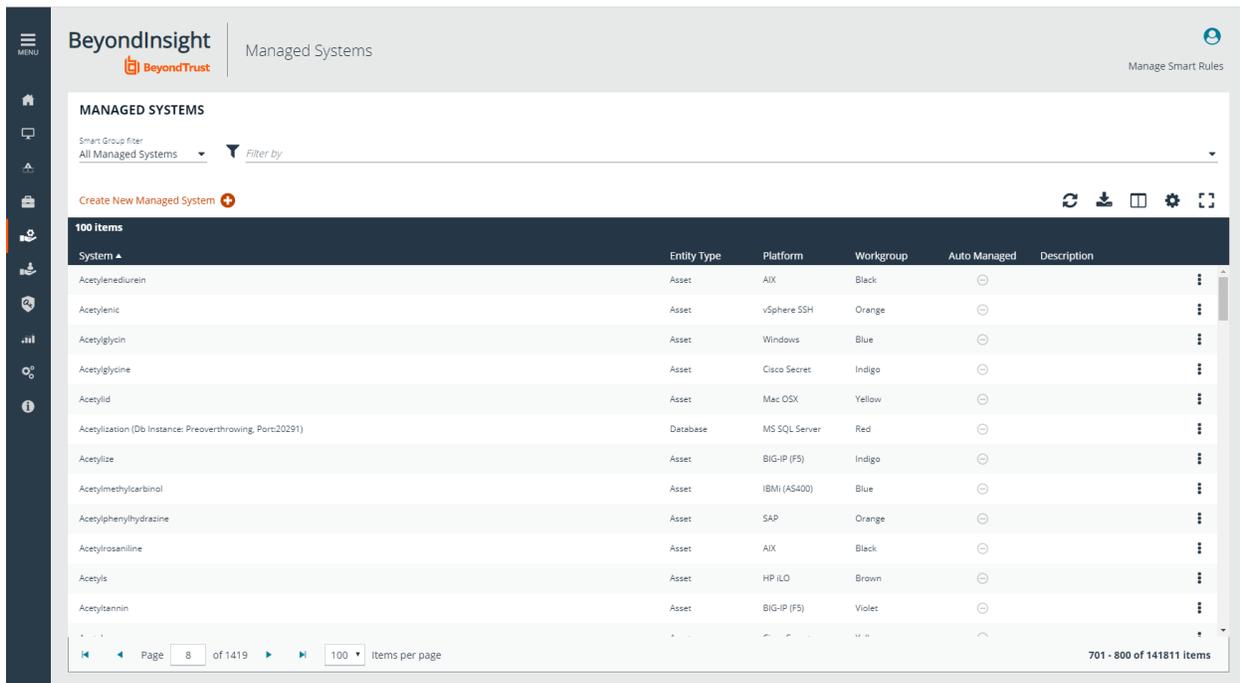


Figure 1- Managed Systems Screen

HTML5 Administration User Interface

As part of the on-going move away from the Adobe Flash-based administration user interface, more is now available in HTML5 including:

- Main Screens
 - Managed Accounts
 - Managed Systems
- Configuration Screens
 - DSS Key Policy Management
 - Password Rule Management
 - Functional Account Management
 - Application Management
 - Agent Assignment

- o Directory Credential Management

We've also taken the opportunity to revisit a lot of the underlying code to introduce performance enhancements that you'll see across the product. Most screens have moved over to HTML5, customers will notice more even tile sizes and dynamic resizing on the BeyondInsight home page as well as a faster, responsive interface throughout. Users will still have the choice to switch to "Legacy Assets View" if they need to gain access to earlier features.

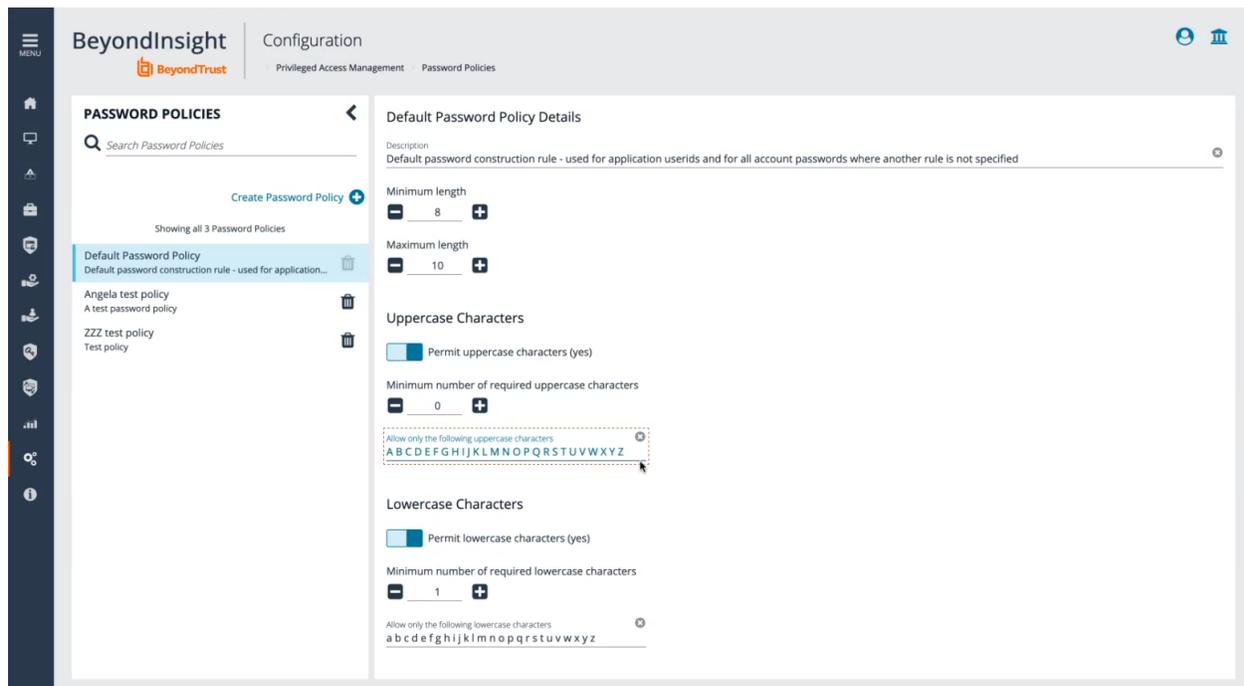
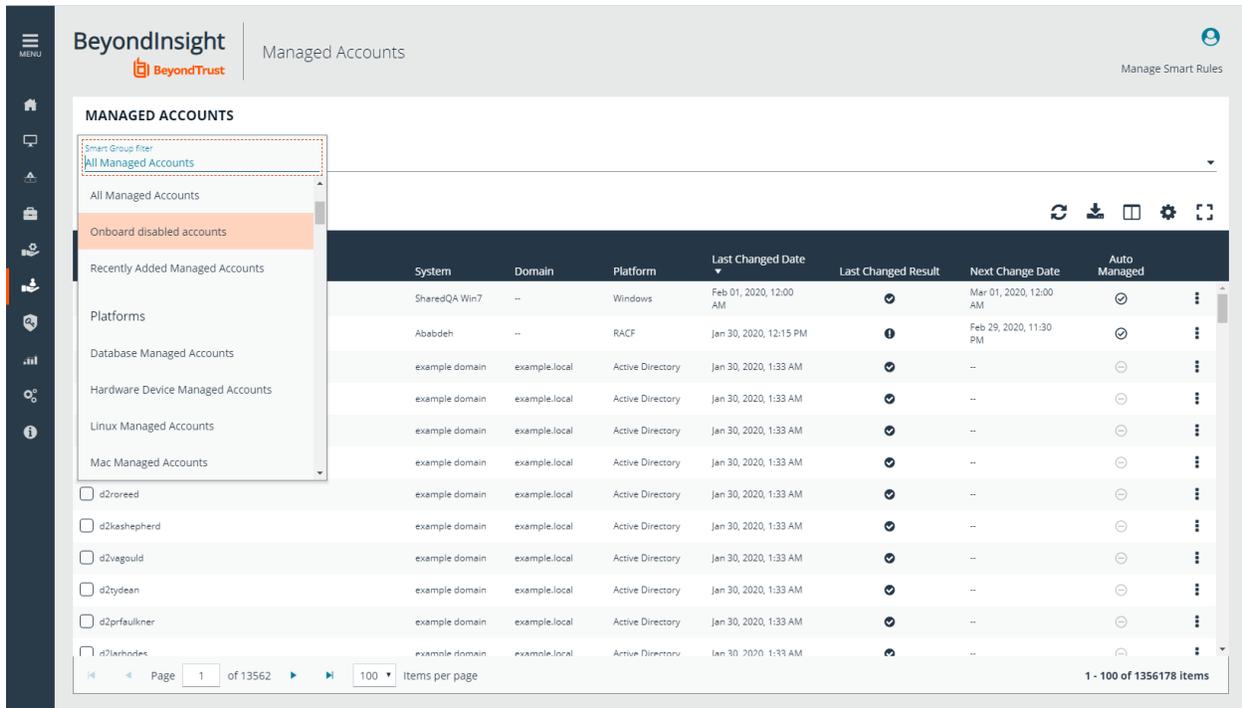


Figure 2- Example of screen moved to HTML5. Now it is easier to edit data with a faster, more responsive interface.

Onboarding Disabled Accounts

In response to customer requests, it's now possible to onboard disabled accounts into Password Safe via Smart Rules. This helps to ensure that accounts not currently in use can be quickly, and easily, included under Password Safe management.



BeyondInsight Managed Accounts

MANAGED ACCOUNTS

Smart Group Filter: All Managed Accounts

Onboard disabled accounts

| System | Domain | Platform | Last Changed Date | Last Changed Result | Next Change Date | Auto Managed |
|----------------|---------------|------------------|------------------------|---------------------|------------------------|--------------|
| SharedQA Win7 | -- | Windows | Feb 01, 2020, 12:00 AM | ✓ | Mar 01, 2020, 12:00 AM | ⊙ |
| Ababdeh | -- | RACF | Jan 30, 2020, 12:15 PM | ! | Feb 29, 2020, 11:30 PM | ⊙ |
| example domain | example.local | Active Directory | Jan 30, 2020, 1:33 AM | ✓ | -- | ⊙ |
| example domain | example.local | Active Directory | Jan 30, 2020, 1:33 AM | ✓ | -- | ⊙ |
| example domain | example.local | Active Directory | Jan 30, 2020, 1:33 AM | ✓ | -- | ⊙ |
| example domain | example.local | Active Directory | Jan 30, 2020, 1:33 AM | ✓ | -- | ⊙ |
| example domain | example.local | Active Directory | Jan 30, 2020, 1:33 AM | ✓ | -- | ⊙ |
| example domain | example.local | Active Directory | Jan 30, 2020, 1:33 AM | ✓ | -- | ⊙ |
| example domain | example.local | Active Directory | Jan 30, 2020, 1:33 AM | ✓ | -- | ⊙ |
| example domain | example.local | Active Directory | Jan 30, 2020, 1:33 AM | ✓ | -- | ⊙ |

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Figure 3- Review all managed accounts and onboard disabled accounts via Smart Rules

Oracle Internet Directory (OID) and Active Directory (AD) for Oracle TNS Lookups
 It's now possible to use OID and AD for Oracle database TNS lookups for customers already making use of this technology.

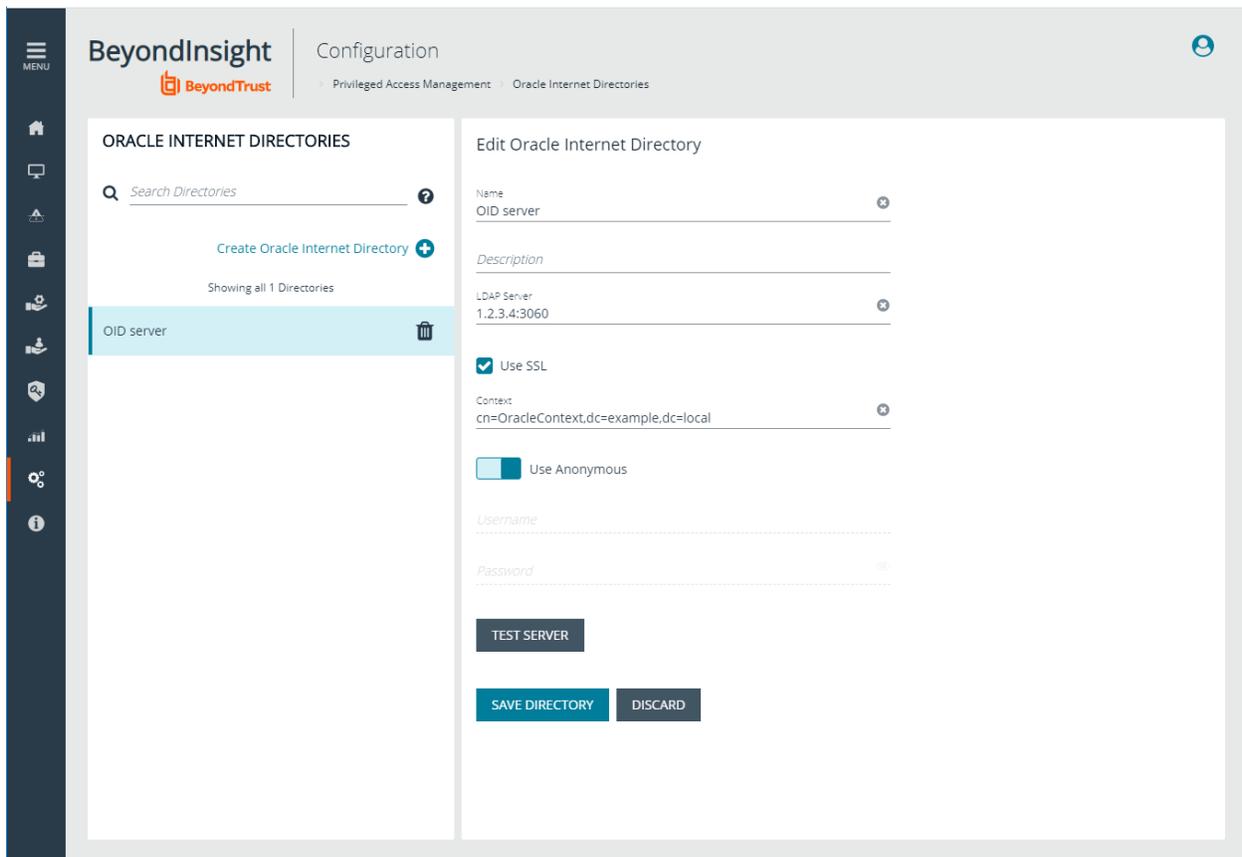


Figure 4- Password Safe v6.10 supports storage of context data for Oracle Internet Directories

Enhanced Feature Highlights

Session Proxy Improvements

This release sees a lot of improvements to the Password Safe session proxy, all designed to increase performance, usability and functionality. The following is a list of the key improvements:

- Session Proxy is now a 64-bit process making more memory on the appliances available for use and bringing it in-line with other processes making the transition to 64-bit across the product.
- The User's RDP client settings for audio and performance are now used by the Session Proxy allowing the user to tailor the parameters for those lower bandwidth, high latency connections. This enables the best possible connection in the most challenging scenarios.

- Enhanced Session Auditing (ESA) components can now be installed on target systems, removing the need to deploy them with each connection. This had been requested by customers who want to enable connectivity with ESA while also using a minimally privileged functional account (which may not have the necessary permission to deploy the ESA components). Ideal for high-risk/highly secure environments.
- SFTP and SCP Support means that file transfers within an SSH session are now presented in a human-friendly manner, giving the key information needed when reviewing recorded sessions.
- Control characters captured during sessions are now presented in a human-friendly way when reviewing recorded sessions, giving a clearer view on every keystroke captured.

Update Client Tools

Password Safe uses many native clients to connect to password change targets and this release includes updates to the database clients for:

- MongoDB
- MySQL
- Oracle
- PostgreSQL
- Sybase ASE
- Teradata

This ensures support for the latest versions of these databases moving forward.

API Changes and Additions

We have added many new API endpoints, many related to the addition of Managed System as a first-class citizen in the product, as well as a few enhancements to existing endpoints. Some key changes below:

- Additions

- GET ManagedSystems
- GET ManagedSystems/{id}
- GET ManagedSystems/{id}/ManagedAccounts
- POST ManagedSystems
- PUT ManagedSystems
- DELETE ManagedSystems/{id}
- GET Assets/{id}/ManagedSystems
- POST Assets/{id}/ManagedSystems
- PUT ManagedAccounts
- GET Configuration/Version
- GET Databases/{id}/ManagedSystems
- GET FunctionalAccounts/{id}/ManagedSystems
- GET UserGroups/{id}/Permissions
- Enhancements
 - GET Sessions now allows filtering by session status and/or userid
 - GET ManagedAccounts now supports filtering by type, e.g., “?type=system” and supports paging natively

- Possible breaking changes
 - When using “GET ManagedAccounts?systemName={systemName}” for databases *systemName* now includes the database port number
 - For POST Users, POST UserGroups/{id}/Users, PUT Users/{id} the password must meet the BeyondInsight password complexity requirements.

About BeyondTrust

BeyondTrust is the worldwide leader in Privileged Access Management, offering the most seamless approach to preventing data breaches related to stolen credentials, misused privileges, and compromised remote access.

Our extensible platform empowers organizations to easily scale privilege security as threats evolve across endpoint, server, cloud, DevOps, and network device environments. BeyondTrust unifies the industry’s broadest set of privileged access capabilities with centralized management, reporting, and analytics, enabling leaders to take decisive and informed actions to defeat attackers. Our holistic platform stands out for its flexible design that simplifies integrations, enhances user productivity, and maximizes IT and security investments.

BeyondTrust gives organizations the visibility and control they need to reduce risk, achieve compliance objectives, and boost operational performance. We are trusted by 20,000 customers, including half of the Fortune 500, and a global partner network. Learn more at www.beyondtrust.com.