

PowerBroker Password Safe Version 5.4

New and Updated Features

BeyondTrust [PowerBroker Password Safe](#) automates password and session management, providing secure access control, auditing, alerting and recording for any privileged account – from local or domain shared administrator to service to application accounts. By improving the accountability and control over privileged access IT organizations can reduce security risks and achieve compliance objectives. With Password Safe, customers can:

- Secure and control passwords to close critical security gaps and reduce risk
- Monitor, audit and report on activity to achieve compliance requirements
- Automate request and approval process to simplify administration and improve security
- Gain greater insights on their security environments through integration with the [BeyondInsight IT Risk Management platform](#)

Password Safe version 5.4 improves on key features and integrations with unmatched levels of security, accountability and control.

New Feature Highlights

PowerBroker for Windows Password Management and Rule Based Application Support

The primary enhancement in this release, Password Safe 5.4 now integrates into PowerBroker for Windows version 6.7 to create an industry unique approach to solving remote password change challenges and elevation of applications for real user credentials. This section explains two such use cases.

Use case #1: Password changes in a remote/mobile environment

In a traditional model Password Safe, on a scheduled basis, remotely contacts a host to change a local password. If the device is unreachable, the Password Safe manager will retry to contact the host and change the password until the policy for retries is exceeded. If the device is mobile, on the other side of the firewall, or remotely connected, the manager may not always be able to connect to the target. This negates the capabilities of a password management solution.

To overcome the challenge of remote/mobile password management, Password Safe 5.4 features integration with PowerBroker for Windows 6.7 to enable PowerBroker for Windows to act as an agent for Password Safe account password changes.

With PowerBroker for Windows 6.7, upon a scheduled heartbeat connection, the agent will ask Password Safe if it has any accounts that require a password change. If Password Safe has a change, the password changes are transmitted back to the agent fully encrypted and then verified with the remote client to ensure they have been incorporated successfully.

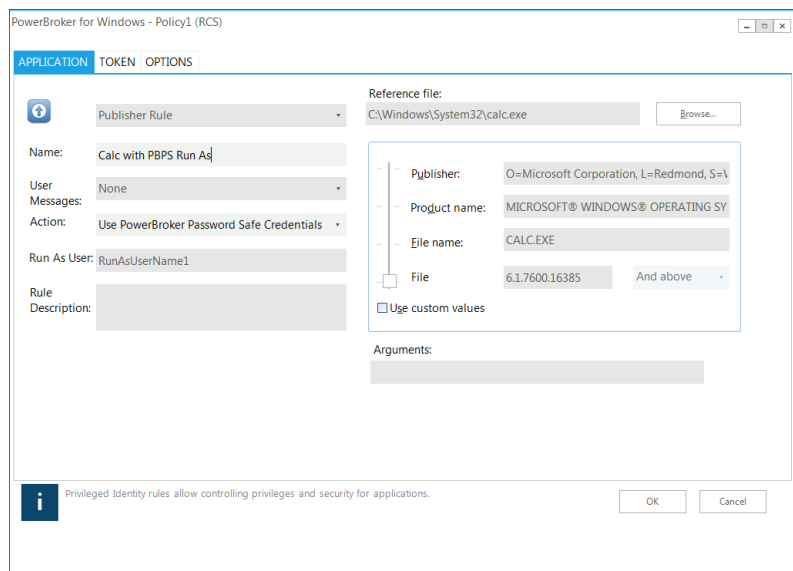
This integration allows PowerBroker Password Safe, via PowerBroker for Windows, to change a password at any time, and in any location, and overcome the limitations of network segmentation.

Use case #2: Elevating applications that communicate across the network without exposing credentials to the end user

In some cases, primarily involving applications that need to communicate across the network, PowerBroker for Windows is unsuccessful in elevating an application's security token for proper operation. The only way to properly elevate the application is to use a real username and password combination with administrator permissions. This problem then requires the distribution of these credentials to users, which defeats the purpose of least privilege.

With PowerBroker for Windows 6.7, a new Action has been defined which can transparently request a username password combination from PowerBroker Password Safe 5.4 and perform a "Run As" with no user intervention and record all actives in both PowerBroker for Windows and Password Safe.

This technique only exposes the username in the PowerBroker for Windows Rule, and never exposes either the username or password to the end user during normal operations with true "Run As" elevation of the application. This allows specialty applications to operate correctly, operating system functions like MMC or Regedit to operate across the network, and the suppression of credentials to end users that need to execute these applications.



DSS Keys for Managed Accounts on Unix and Linux

With Password Safe 5.4, customers now have the ability to specify a stored SSH/DSS key against an account that can be used to authenticate users automatically onto proxied sessions. This feature adds flexibility to and auto-fallback to a managed password (if available).

Matching Criteria for Managed Account Smart Rules (matching filters)

This release features the addition of 'Starts with' and 'Ends with' filters to aid in creation and search of Smart Rules.

AD Service Account Management Support

In version 5.4, Password Safe now supports managing local services started by managed Active Directory accounts. This new capability leverages Password Safe's unique system scanner to link services on local hosts to managed Active Directory service accounts. When a password is automatically changed on the AD account, the associated services will have their 'log-on as' properties synchronized. This ensures the services will be started successfully however many times the passwords are changed at the back-end.

API Enhancements

New API enhancements in version 5.4 add flexibility and security, including:

- Change SignIn, SignAppIn, and SecureSignAppIn to POST operations to prevent the calls from displaying in IIS logs
- Add nonce requirement to all APIs to prevent replay attack
- Modify v2 API Client to parse returned nonce out of 401 (Unauthorized) response header and subsequently pass in header of all API calls
- Computed request signature in header to prevent request tampering

Platform and Device Support

PowerBroker Password Safe 5.4 includes the following newly-supported platforms and devices:

Devices:

- F5 BIG-IP
- HP Comware
- Cisco
- Palo Alto
- Checkpoint
- Juniper

Platforms:

- Sybase
- vSphere(SSH)
- RACF
- IBMi (AS400)

About BeyondTrust

BeyondTrust is a global cyber security company dedicated to proactively eliminating data breaches from insider privilege abuse and external hacking attacks. Corporate and government organizations rely on BeyondTrust solutions to shrink attack surfaces and identify imminent threats. The company's integrated [risk intelligence platform](#) presents a unique competitive advantage in its ability to reveal critical risks hidden within volumes of user and system data. This unifies IT and Security departments, empowering them with the information and control they need to jointly prevent breaches, maintain compliance, and ensure business continuity. BeyondTrust's [Privileged Account Management](#) and [Vulnerability Management](#) solutions are trusted by 4,000 customers worldwide, including over 50% of the Fortune 100. To learn more about BeyondTrust, please visit www.beyondtrust.com.

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