PowerBroker for Unix & Linux Version 9.0
New and Updated Features

BeyondTrust PowerBroker for Unix & Linux enables IT organizations to efficiently delegate Unix and Linux privileges and authorization without disclosing passwords for root or other privileged accounts. PowerBroker for UNIX/Linux can record all privileged sessions for audit purposes, including keystroke level information, helping to achieve privileged access control requirements without relying on native tools or sudo. With PowerBroker for Unix & Linux, customers can:

- Eliminate the sharing of privileged credentials
- Delegate permissions without exposing credentials
- Track, log and audit activities performed on Unix and Linux systems for compliance
- Replace sudo with a commercially supported solution
- Gain greater insights on their security environments through integration with the BeyondInsight IT Risk Management platform

PowerBroker for Unix & Linux version 9.0 improves on key features and capabilities with unmatched levels of security, accountability and control.
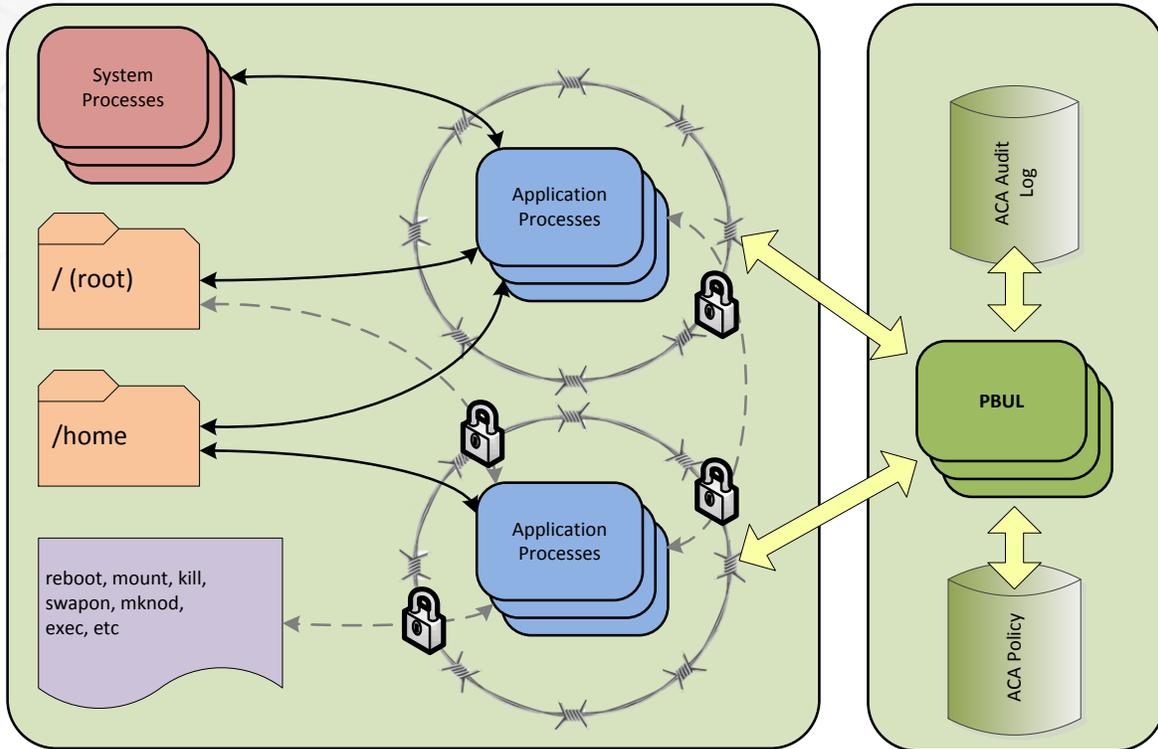
New Feature Highlights

Advanced Control and Audit over Commands at the System Level

Auditing and controlling activity inside scripts and 3rd party applications in Unix and Linux systems has been difficult for many companies to achieve, especially when it is easy to "cheat" the system by pointing shortcuts to unapproved applications. Other existing tools on the market have not been able to provide a solution to this common challenge.

PowerBroker for Unix & Linux overcomes this challenge in version 9.0 by providing enhanced system level control and audit capabilities over any application – regardless of how the application is initiated. This helps organizations control actual commands being processed and the actions *at the system level* removing the ability of command spoofing or altered key sequencing.

To achieve this, PowerBroker for Unix & Linux provides a secure container for all applications at the very lowest system level, providing fine-grained control over interactions between the operating system and the user. This results in a faster and more secure way of providing root access for individual controlled applications or administrative tasks.

A graphical representation of this method is shown below.

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PowerBroker for Unix & Linux Advanced Control and Audit capabilities provide system-level controls.

This capability augments existing session capture in PowerBroker, and expedites audit investigations, closing loopholes that exist in least privilege.

Database for Storage and Configuration Management

Several database enhancements are available in PowerBroker for Unix & Linux version 9.0. Each enhancement is meant to improve performance and simplify management.

Role-based policy and configuration

Historically, the PowerBroker policy file was free format. While that provided unparalleled flexibility in building policies – a true differentiator of the product – it made it difficult to do entitlement reporting or to wrap a GUI around it for simplicity.

In version 9.0, PowerBroker for Unix & Linux features data driven, simplified and more maintainable policies, enhanced with an industry standard web application interface to maximize integration with existing customer entitlement systems. By moving all policy configurations into the database, PowerBroker provides simplified and more accurate entitlement reporting, easier integration with third-party applications such as IAM tools, and simplifies the process of detecting policy conflicts.

Database storage with change management

PowerBroker for Unix & Linux version 9.0 features an enhanced databased with new capabilities to better determine historical change reporting. This new, more scalable database architecture, built on MySQL, provides a more resilient architecture to scale better and enhance business continuity. The new database structure is illustrated below.
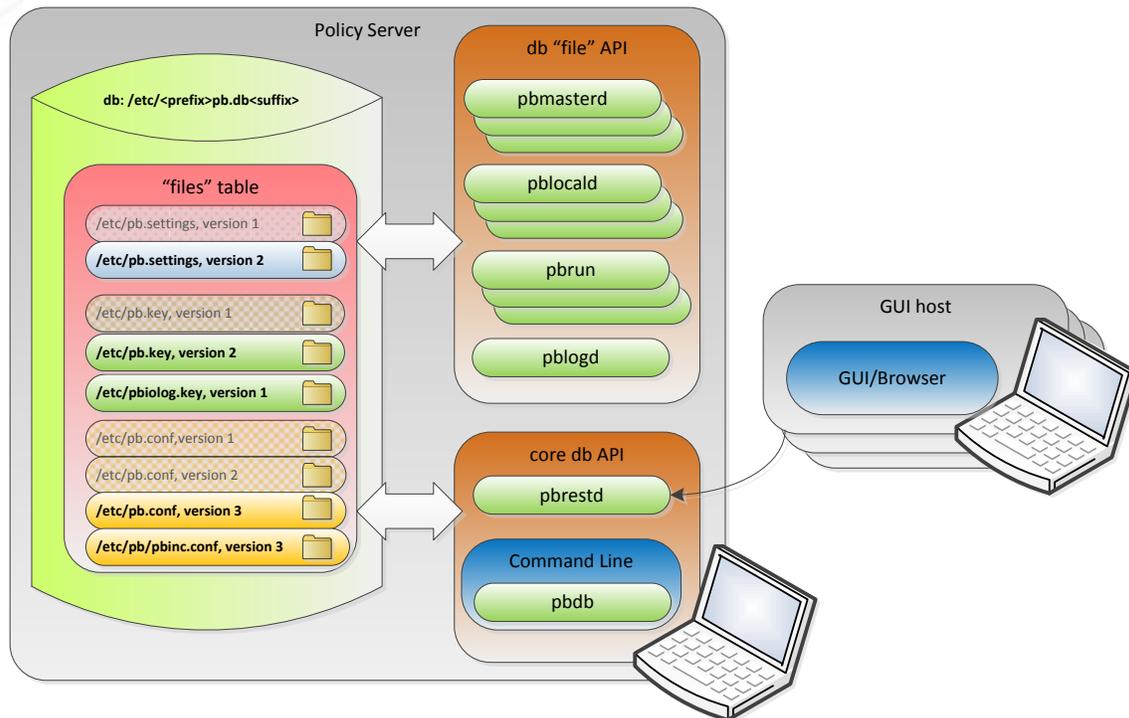
PowerBroker for Unix &Linux 9.0 features a much more scalable database model.

This new capability provides change management of all settings and policy configuration, allowing full audit of who has changed what, version control and rollback of all existing configuration files.

EventLog and IO Logfile archiving in database

Enhanced event and IO logfile archiving capability in PowerBroker for Unix & Linux version 9.0 implements a simplified, more complete and integrated method of managing large amounts of data throughout its useful life, providing centralized repositories which reduce storage costs and maximize security of crucial customer audit data.

Benefits of this approach include:
- Increased visibility over Powerbroker for Unix & Linux usage and performance
- Centralized repository for all log data
- Easier disk space management
- Better log search and retrieval performance
- Cheaper long-term data storage
- More secure data storage

A REST API has been developed for PowerBroker for Unix & Linux to enable it to integrate more easily with other BeyondTrust products, other third-party products, and allows customers to develop their own automated production processes. The API is web based and uses industry standard modern components, connectors and data elements within a distributed and secure enterprise environment.

The API has also been extended to help automate the installation of this service, to facilitate a more effective and secure framework of services, all while providing the customer with an enhanced interface and the capability of more effectively interacting with Powerbroker.

Client Registration Enhancements

A Client Registration feature has been added to PowerBroker for Unix & Linux to facilitate the installation and configuration of new PowerBroker for Unix & Linux clients into the enterprise. It consists of a centralized Registration Profile service, normally found on the Primary Policy Server. This service is configured with customized profiles that match the settings required for the installation of hosts that provide differing roles in the organization. When new PowerBroker for Unix & Linux clients are installed these profiles are retrieved, providing the configuration required to complete the installation.

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 customer 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.