

# PowerBroker for Unix & Linux

## Privilege and Session Management for Unix & Linux



VISIBILITY. KNOWLEDGE. ACTION.

IT organizations often provide multiple server administrators — and sometimes users — with root passwords, super-user status, or other elevated privileges so that they can be productive and do their jobs. Unfortunately, this practice presents significant security risks stemming from intentional, accidental or indirect misuse of those privileges. Traditional solutions to this problem are either inefficient and incomplete (e.g., native OS options) or not secure enough (e.g., sudo).

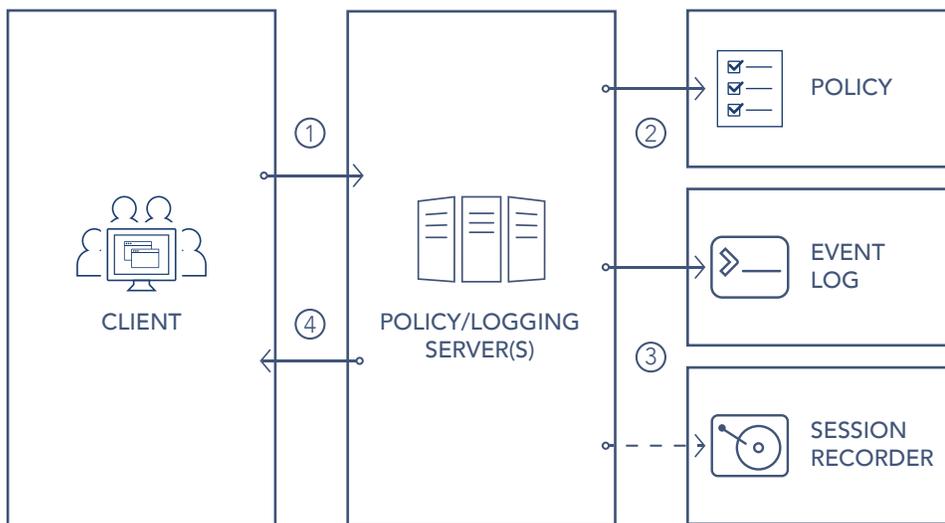
Recent data breaches exploiting privileged credentials, as well as continued auditing requirements, necessitate privilege reduction whenever possible. So how do IT organizations limit root account access, ensure accountability, and reduce risk without hindering productivity?

### Control and Audit Unix & Linux User Activity

BeyondTrust® PowerBroker® for Unix & Linux enables IT organizations to efficiently delegate Unix and Linux privileges and authorization without disclosing passwords for root or other accounts. The solution can also record all privileged sessions for audits, including keystroke information. These and other capabilities enable PowerBroker customers to meet the privileged access control requirements of government and industry mandates including SOX, HIPAA, PCI DSS, GLBA, PCI, FDCC, FISMA and more.

“The PowerBroker implementation was successful. All server access is limited — even via SSH. The auditors can easily see that procedures are being followed and our IT employees are able to remain productive.”

— SVP Systems/Recovery, CTO, DCI



- 1 User requests are sent to the policy servers
- 2 Policy check
- 3 Write entry to indexed/searchable event log & record session (optional)
- 4 Output sent back to client

### Key Capabilities

#### GRANULAR DELEGATION FOR SEGREGATION OF DUTIES

Segregate duties by partitioning root and other privileged accounts; flexible policy language grants users and admins access to only the specific entitlements required to perform a given task.

#### SECURE ACTIVITY ENCRYPTION AND STORAGE

Ensure all user and administrator activity is encrypted to selectable, industry-standard algorithms and stored in a secure, centralized location; supports 30 encryption methods.

#### PRIVILEGE MANAGEMENT WITHOUT SUDO

Granularly control user access to programs, files, and directories — and broker system tasks — without sudo.

#### CENTRALIZED ADMINISTRATION

Reduce administration and overhead normally associated with policy and auditing tasks. Achieve policy driven command elevation and auditing — down to the system level.

#### DVR-STYLE SESSION PLAYBACK

Replay any privileged session with no agents or proprietary clients required, streamlining adherence to compliance.

#### ANALYTICS AND REPORTING

Leverage a central data warehouse to collect, correlate, trend and analyze key logs and metrics; customize reports to meet specific business needs.

#### PLUGGABLE AUTHENTICATION MODULE SUPPORT

Utilize industry-standard authentication systems.

#### EXTENSIVE PLATFORM SUPPORT

Support 175+ Unix and Linux platforms.



## The BeyondInsight platform for unified asset and user risk intelligence

PowerBroker for Unix & Linux is part of the BeyondInsight™ IT Risk Management Platform, which unifies PowerBroker privileged account management solutions with Retina CS Enterprise Vulnerability Management. Capabilities include:

- Centralized solution management and control via common dashboards
- Asset discovery, profiling and grouping
- Reporting and analytics
- Workflow and ticketing
- Data sharing between Retina and PowerBroker solutions

The result is a fusion of user and asset intelligence that allows IT and security teams to collectively reduce risk across complex environments.

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## Key Features

### COMPLIANCE

- Logs all environment information
- Provides system-level control and audit capabilities over any application regardless of how the application is initiated
- Records and indexes all sessions for quick discovery
- Replays privileged sessions with DVR-style playback of all activity including keystrokes
- Automates log centralization for multi-server deployments
- Automates workflows for event and I/O log reviews (search by command or free-text)
- Meets access/authorization compliances and regulations, such as SOX, HIPAA, GLBA, PCI DSS, and FISMA
- Provides true Role-based Access Control (RBAC)
- Enables interaction with historical event lists and graphs presenting key “who, what, where, when” data in an easy-to-read format

### SECURITY

- Supports industry-standard encryption algorithms, such as AES, Triple DES and many others
- Performs redundancy checks and checksum verification for Trojan protection
- Restricts access by day/date/time and to/from specified hosts
- Integrates with PAM, NIS+, LDAP
- Blocks execution of specified commands
- Integrates with SafeNet Luna for U.S. and Canadian government agencies requiring FIPS 140- 2 Level 2 & Level 3 validation

### EFFICIENCY

- Brokers permissions transparently, ensuring user productivity and compliance
- Provides a GUI-managed central database to store configurations with historical change management to simplify entitlement reporting
- Centralizes tasks for productivity gains among system administrators
- Deploys rapidly, requiring no system reboot or kernel modification
- Automates workflows for policy creation, audit-ready logging and change management
- Integrates all policies, roles and log data from multiple hosts for BeyondTrust solutions and complementary third-party applications via a web-based console and REST API

### SUPPORTED PLATFORMS

PowerBroker for Unix & Linux supports more than 175 platforms, including Debian GNU, HP-UX, HP Tru 64, Red Hat Enterprise Linux, Sun Solaris, SuSE Linux Enterprise, VMware ESX, IBM AIX, and others.