

Privilege Management for Unix & Linux 10.2 Release Notes

May 8, 2019

New Features and Enhancements:

- The software has been rebranded with the new company logo and colors, and some products have been renamed.
 - *PowerBroker for Unix & Linux* is now called *Privilege Management for Unix & Linux*.
 - *PowerBroker Sudo* is now called *Privilege Management for Unix & Linux - Basic Edition*.
 - *PowerBroker for Network* is now called *Privilege Management for Network*.
 - *PowerBroker for Identity Services* is now called *AD Bridge*.
 - *PowerBroker Servers Management Console* is now called *BeyondInsight for Unix & Linux*.
- A built-in mechanism was added to assist with the debugging of Privilege Management for Unix & Linux script-based policy.
- New values for **ssloptions** (**TLSMin<ver>** and **TLSMax<ver>**) were added that allow the specification of the minimum and maximum TLS level to be used in the Privilege Management for Unix & Linux protocols.
- A new value for **ssloptions** (**SSLFirst**) was added that forces the SSL handshake to happen before the proprietary Privilege Management for Unix & Linux handshake.
- A new value for **ssloptions** (**SSLVerbose**) was added that allows server components to log more informational messages to their error logs.
- A shell script called **pblighttpd_svc.sh** now allows you to stop, start, or restart **pblighttpd/pbconfigd** services.
- Use **pbdbutil --info --restsvr** to check on the health of the REST services (**pblighttpd/pbconfigd**).
- Use **tempfilepath** in **pb.settings** to specify the temporary directory for Privilege Management for Unix & Linux binaries.
- Use **-t <tmpdir>** in **pbinstall**, **pbsudoinstall**, and **solrinstall** to specify the temporary directory to be used during install. When this option is used, **tempfilepath** in **pb.settings** is also set to the specified directory.
- macOS 10.14 is now supported.

Issues Resolved:

- An issue introduced in 10.0.0 sending UTF-8 characters between AIX and non-AIX hosts had a fix in 10.1.0 that required all Policy Servers, Log Servers, and clients to be upgraded to 10.1.0. In 10.2.0, only Policy and log servers need to be upgraded. Clients do not have to be upgraded to version 10.
- When running **pbinstall -z** to create configuration packages, the option to change **pblighttpd user** is now correctly honored, and the user specified is used instead of the hard-coded **pblight** user.
- When running **pbrun -e** to get the role-based policy user report on a **submithost**, the setting **rolebasedpolicy yes** is no longer required to be set on the **submithost**. This option now needs to be set only on the Policy Server.
- The policy function **remotesystem** now respects the value of **acceptmasters** when **pblocald** is used to execute the command.
- The usage page for **pblogarchive --list** has been corrected.
- Client-only PKG installers now correctly respect the **pbinstall** selection to install or not install REST.
- The option to use client registration on macOS X from **pbinstall** is now working.
- Resolved an issue where **pbreplay --timestamp <iolog>** would occasionally produce a segmentation violation on some platforms (HPUX).
- When **enforcehighsecurity** is set, the **cipherlist** is no longer hard-coded, and the value of **cipherlist** in **pb.settings** is now used.

- In the policy on macOS X, all of a user's groups are now correctly retrieved.
- **pbrun** no longer fails if **pb.settings** is encrypted.
- Resolved an issue introduced in 10.1.0 where the **PBSUDOADMIN** app ID was no longer recognized as a valid application ID during PBsudo client install.
- The file **/usr/lib/beyondtrust/pb/rest/ssl/rest.pem** is now only readable for the root user and group.
- Resolved a sporadic issue where, if the primary license server in a Registry Name Service environment was down, during a failover, the error *3811.31 Failed to update license database '/opt/pbul/dbs/pblicense.db' - I/O error* was logged in **pbrest.log**.
- Resolved an issue where, when **runhost**'s nodename could not be resolved on the license server, running **pbrun --di** or **pbrun -h <remote host>** on the runhost produced the error *ERROR: There has been an issue with Client licensing - Host not found*.
- Resolved several issues in the Message Router mechanism for writing **eventlog** records to the event log when under load.
 - Resolved an issue where a buffer was not deallocated correctly in the Message Router when a socket connect to the **pblogd** timed out, throwing an internal error message.
 - Resolved an issue where an error was not correctly interpreted, resulting in throwing up a spurious error instead of processing the write queue.
 - Resolved an issue where the new **nag** logging was not creating the shared memory object correctly, resulting in a crash when logging its first **nag** log message.
- Resolved an issue where, when **logreservedfilesystems** in **/etc/pb.settings** was set to more than one directory, **pbinstall** would fail with the error *Character not in included set*.
- An appropriate error is now logged if the scheduler fails to create its defaults tasks if **restkeyencryption** is not set, if **restkeyencryption** is set incorrectly, or if the hostname is not resolvable.
- In the message router client, a limit of $2 * \text{maxqsize}$ is now used if a write queue entry could not be created (due to lack of space, for example), and an error is added to the logs, preventing the client from looping forever.
- Resolved a sporadic issue where eventlog records were not written if **logcachedb** was not defined in **pb.settings**, the database **pblogcache.db** did not exist, and **iologging** was enabled.

Notes:

- We recommend that you upgrade the License Server, the Policy Server (Master), and the Log Servers before upgrading any clients.
- These platforms are no longer supported:
 - HP-UX 11i v2 (B.11.23) (PA-RISC 64-bit)
 - HP-UX 11i v3 (B.11.31) (PA-RISC 64-bit)
 - IBM AIX 5L v5.3
 - Oracle Solaris 9 (SPARC and x86)
 - Mac OS 10.5 to 10.11
 - Ubuntu 8.x, 9.x, 10.04, 11.4
 - SUSE Linux Ent Server 10