

# Privilege Management for Unix & Linux - Basic Edition 10.2

## Release Notes

May 8, 2019

### Requirements:

- Requires the Privilege Management for Unix & Linux License Server, Policy Server, and Log Server to be installed prior to installing Privilege Management for Unix & Linux - Basic Edition.

### 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 Servers Management Console* is now called *BeyondInsight for Unix & Linux*.
- 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.

### Issues Resolved:

- 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.
- 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 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.
- 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