

Privilege Management for Unix & Linux 10.3.1 Release Notes

August 20, 2020

New Features and Enhancements:

- Improvements to PBUL write queue performance.
- Added support for RHEL 8.
- Added support for Solaris 11.4.
- Dropped support for 32-bit Linux.
- Added support for Debian 9, Debian 10, and Ubuntu 18.04, 20.04 (LTS).
- Added a keyword to enable or disable logcaching.
- Updated **pbininstall** script to create a **/lib64/libncurses.so.5** symlink on RHEL 8 and above versions.
- Dropped support for unsupported vendor platforms: AIX 6.1, Linux 32-bit, RHEL/CentOS/Oracle Linux v5, RHEL Itanium, Debian prior to 9.12, and Ubuntu versions prior to 16.04.
- Changed the context of PBUL binaries to **bin_t** in case SELinux is enforcing.

Issues Resolved:

- **Message Router**
 - Split the logcache database into two databases, so that two different processes could operate on events and iologs separately without lock contention.
 - Improved message router performance with several internal changes that reduced unnecessary overhead.
 - Resolved issue in which the **#mr-ioc** process and other children failed to terminate when the **#mr-svc** parent watchdog process wanted to restart them.
 - Resolved issue in which write queue was slow processing when replies were received out of order.
- **Miscellaneous**
 - Resolved issue in which **networkencryption** caused **pbrun -h <client>** to hang when issued from the policy server, multiple encryptions were listed, and the remote client's encryption was not first in the list.
 - Setting the keywords **masterprotocoltimeout**, **logserverprotocoltimeout**, and **syncprotocoltimeout** to **-1** implies no protocol timeout. Resolved issue in which **pbininstall** commented out these keywords when explicitly set to **-1**, causing them to default to a finite timeout value of **500**.
 - Resolved issue in which the presence of a non-existent keyfile in the **eventlogencryption** list caused **3033 key file unreachable** error in **pblog** regardless of whether the correct algorithm or key pair appeared at the head of the list.
 - Resolved issue in which the RNS post-install configuration script (**pbrnscfg.sh**) menu options were using the obsolete term **Primary Policy Server**, rather than the updated term **Primary License Server**.
 - Resolved an issue in which a PMUL config package upgrade could truncate the eventlog.
 - Resolved issue in which processing **wq_****** files took too long or completely stopped.
 - Resolved issue in which there was a segmentation fault when there was an ACA rule in a policy that did not have the default ACA rule.
 - Resolved **closeactionsplunk.pl** errors in the Splunk integration when new non-exec related ACA data was in the iolog.
 - Resolved issue in which **pblog** segmentation faults occurred when MySQL ODBC was configured for SSL libraries other than PBUL's. The solution is to set **loadssllibs** to **yes**.

- Resolved issue in which certain ACA trapped functions upon error returned the correct errno but returned a value of 0 instead of -1.
- Resolved issue in which **pbinstall** did not retain the value of settings keyword **loadssllibs** during an upgrade.
- Resolved issue in which event log files were created with bad permissions.
- Resolved issue in which calling **pbdbutil --info --uuid** on an installation directory from version 10.3.0 did not return the UUID of a local client host when **/etc/pb.db** from v9.3 already existed.
- Resolved lock contention issue that pertained only to physical policy server machines.
- Resolved issue with turning on SSL in mixed environments in which some machines had SSL running and others did not.
- Resolved **pblocald** issue in which it terminated before it was able to execute and monitor a requested secured task on RHEL8 and derivatives.
- Resolved Memory Corruption in **logEventServer** when configured to send events to AD Bridge.
- Resolved issue in which debug logs were created with world-writable permissions.
- Resolved issue in which **pbksh** and **pbsh**, when in native root mode, encountered a segmentation fault when attempting to log the event.
- Resolved issue in which **pbksh** and **pbsh** no longer created a local eventlog in native root mode.
- Resolved issue in which **pbinstall** commented out **enforcehighsecurity** and **ssl** in **pb.settings** (hence implying default value of **yes**) if they were explicitly set to **no** during install.
- Resolved issue in package installer in which symbolic links to **liblber-2.4.so.2**, **libldap-2.4.so.2**, and others were missing or incorrect.
- Resolved issue in which piping a command into **pbrun --di** caused it to hang.
- Resolved issue in which using **pbreplay -X** or **-O** on an iolog file caused a segmentation violation when replaying the terminal control commands involving a resized screen.