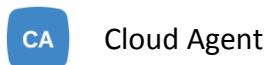


# Qualys Cloud Agent Linux 2.3

January 2019

We're excited to tell you about new features, platform coverage changes, improvements, and bug fixes in this Cloud Agent release. These updates are specific to the agent binary. Qualys Platform backend, UI, and API updates for new features and fixes of management and reporting capabilities of Cloud Agents are documented in the Cloud Suite release notes and may be released on a separate schedule.



## New Features

The following new features are available in this release:

- Support for Policy Compliance User Defined Controls (UDCs). When configured in the Policy Compliance module, Cloud Agents with Policy Compliance enabled will run the appropriate Unix User Defined Controls.
- Support for Qualys File Integrity Monitoring (FIM) on specific operating system platforms
  - Added Qualys FIM support for Oracle Enterprise Linux 5.9, 6.5, 7.2
  - Added Qualys FIM support for Amazon Linux 2
  - Qualys FIM supports “auditd compatibility mode” to run on systems that are using auditd for other auditing use cases
- Support for encrypted proxy username and password in proxy configuration files. See the Cloud Agent Linux Installation Guide for information on how to use this feature.

## Enhancements

The following enhancements are available in this release:

- Updated AWS detection method for newer HVM instance types (m5, c5, ...)
- Agent compression processing of delta uploads are limited to 30% CPU in the rare event of compression utilization spikes
- Updates and changes to libraries utilized by the Cloud Agent as follows:
  - OpenSSL bundled library upgraded
  - Curl bundled library upgraded
  - Lua bundled library upgraded
  - SQLite bundled library upgraded
  - POCO bundled library upgraded

## Behavior Changes

There are no new behavior changes in this release.

## Platform Coverage Support (Operating Systems)

Added support for the following platforms:

- Amazon Linux SXE
- openSUSE Leap 15

## Fixed Defects

The following known reported and notable issues have been fixed in this release:

| ID        | Description  |
|-----------|--|
| CRM-39654 | Added support for proxies configured with ALPN that were preventing HTTPS connections                          |
| CRM-42710 | Fixed a permission issue with /usr/local/qualys on some CentOS distributions                                   |
| CRM-44210 | Updated the logging in the init cloud agent stop script  |
| CRM-44748 | Fixed a case with SwitchUserError exception  |
| LXAG-1741 | Fixed a case where agent received a “peer certificate” error before configuring the agent with the config-tool |

## Known Limitations and Workarounds

The following notable known limitations are open in this release:

| ID  | Description   |
|---|---|
| CRM-18184<br>CRM-24383<br>CRM-33592<br>CRM-35008<br>CRM-36134<br>CRM-36154<br>CRM-36518<br>CRM-36618<br>CRM-40217<br>CRM-40870<br>CRM-44011 | Miscellaneous VM QIDs and PC CIDs fixed in upcoming Linux 2.4 release   |
| LXAG-469  | Agent installed with RPM relocate fails to start on Fedora 24<br>[Workaround: do not relocate on Fedora 24]   |
| LXAG-1463   | FIM on Ubuntu 18.03 does not support syscall=257 for open call  |
| LXAG-1322   | FIM agent running under sudo user does not launch<br>[Workaround: add secure_path entry in /etc/sudoers file] |