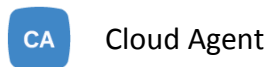# Qualys Cloud Agent Linux 2.1

August 2018

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.

CA Cloud Agent

This Release Note contains announcements for the Qualys Cloud Agent Linux 2.0 release, the first 2.x version available for agents not running File Integrity Monitoring upgrading from 1.x versions. Refer to Qualys Cloud Agent Linux 1.7.1 Release Notes for the version prior to this release.

New Features

The following new features are available in this release:

- [2.0] Support for Qualys File Integrity Monitoring (FIM) on specific operating system platforms
- Qualys FIM support for Oracle Enterprise Linux 5.9, 6.5, 7.2
- 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

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

Behavior Changes

There are no new behavior changes in this release.

Platform Coverage Support (Operating Systems)

Added support for the following platforms:
- Red Hat Enterprise Linux
- CentOS Linux 7.5
- Oracle Enterprise Linux 7.5

- Amazon Linux 2018.03
- Ubuntu 18.04 TLS
- Fedora 25

Fixed Defects

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

ID	Description
CRM-21760	Agent fails to start on Fedora 24
CRM-35687	Agent installation fails on Suse11 with "Cannot handle pid file"
CRM-38310 CRM-39194	FIM Linux Beta Agent not Detecting Deletion or Rename of File
LXAG-1132	Uninstall on Amazon Linux 2 does not fully remove binary and directories in certain cases
LXAG-1159	Uninstall on openSUSE Linux does not fully remove binary and directories in certain cases
LXAG-1225	Agent terminates on Google Compute Platform instance in certain cases
LXAG-1238	Agent exits when collecting OS details on Amazon Linux 2
LXAG-1253	Uninstall on SUSE Enterprise Linux 12 running in Azure does not fully remove binary and directories in certain cases
LXAG-1321	Certain INFORMATIONAL log messages are logged at DEBUG level
LXAG-237	Network information not collected on Oracle Linux 7.2

Known Limitations and Workarounds

The following notable known limitations are open in this release:

ID	Description
LXAG-525	Agent with very small Status interval (60 seconds) and self-patch failing enters a download loop [Impact: None, as the smallest user-configurable Status interval is 15 minutes]
LXAG-477	Agent restarted and cloned during provisioning creates a duplicate agent uuid (very rare case)
LXAG-469	Agent installed with RPM relocate fails to start on Fedora 24 [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 [Workaround: add secure_path entry in /etc/sudoers file]
LXAG-1161	Binary characters appear in debug log