Qualys Cloud Agent Linux/Mac 1.6.2

We're excited to tell you about new features, platform coverage changes, improvements, and bug fixes in the Cloud Agent Linux/Mac 1.6.2 release. These updates are specific to the agent binary. 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.

CA Cloud Agent

New Features

No new features in this release.

Enhancements

The following enhancements are available in this release:

- Linux RPM installer now supports up to three relocation paths during the installation process if there is a need to install the Cloud Agents in locations different from the default locations
  - Any/all of the following agent categories can be relocated
    - Binaries/Libraries/Data
      - Default location: /usr/local/qualys
      - Relocated to: <any path>/qualys
    - Configuration
      - Default location: /etc/qualys
      - Relocated to: <any path>/qualys
    - Log Files
      - Default location: /var/log/qualys
      - Relocated to: <any path>/qualys
  - The relocation uses standard RPM relocation capabilities that specifies the default location (listed above) and the new location
  - Example installation arguments:
    rpm --relocate /usr/local=/opt/ --relocate /etc=/etc/opt/config --relocate /var/log=/var/opt -ivh qualys-cloud-agent-<package>x86_64.rpm
  - Symbolic links are used in each of the default locations to reference the new locations and are required to be present in the default locations
  - Permissions are set the same on the relocated directories as the default directories
  - Relocation is only available for new agent installations
    - It's not possible to relocate an existing installation
    - A workaround for relocating an existing installation is to uninstall the existing installation entirely and execute a new installation. Note that this will create a new agent UUID for the installation.

Behavior Changes

The following enhancements are available in this release:

- Agent adds additional PATH and external binary validation
- Permissions for user/group changed by operating system to further limit non-privileged access to the agent directories
  - Linux distributions
    - /usr/local/qualys 755 root root
    - /usr/local/qualys/cloud-agent 750 root root
    - /var/log/qualys 760 root root
    - /etc/qualys 755 root root
    - /etc/qualys/cloud-agent 750 root root
    - /etc/qualys/hostid 664 root root
  - macOS
    - /Applications/QualysCloudAgent.app 755 root wheel
    - /Applications/QualysCloudAgent.app/Contents/ 755 root wheel
    - /Applications/QualysCloudAgent.app/Contents/* 755 root wheel
    - /etc/qualys 755 root wheel
    - /etc/qualys/hostid 664 root wheel
- OpenSSL bundled library upgraded to 1.0.2k
- Curl bundled library upgraded to 7.53.1
- Poco bundled library upgraded to 1.7.8

Platform Coverage Support (Operating Systems)

No platform coverage changes in this release.

Fixed Defects

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

ID	Description
CRM-24919 LXAG-527 LXAG-508	Upgrade versions of bundled libraries
CRM-24905 LXAG-425	Upgrade versions of bundled libraries
CRM-24905 LXAG-422	Agent adds additional PATH and external binary validation
CRM-23539	Cloud Agent supports with RHEL 5.4 using manual certificate installation
LXAG-468	Relocated 1.6.0 agent fails to start on Fedora 24

Known Limitations and Workarounds

The following notable known limitations are open in this release:

ID	Description
LXAG-263	Uninstall from Portal UI doesn't succeed on CentOS 7.x [workaround: manual uninstallation succeeds]
LXAG-357	Portal shows proxy IP as an unknown interface for the agent
LXAG-395	CIS Policy Compliance results not produced on Amazon Linux in certain situations
LXAG-468	Relocated 1.6.0 agent fails to start on Fedora 24