Qualys Cloud Agent Linux 5.0 (x64)

August 2022

We're excited to tell you about new features, improvements, platform coverage changes, and fixes in this Cloud Agent release. These updates are specific to the agent binary. Platform updates for new features and fixes of management, syncing, tagging, and reporting capabilities of Cloud Agents are documented in the Cloud Platform and Cloud Suite release notes.

New Features

- The VM scan modes are introduced for Cloud Agent to run VM scans with different levels of privileges. You can define the VM scan mode in the configuration profiles. The following three modes are available:
    - Agent configured user permissions - Qualys Cloud Agent runs VM scan with the same privileges that are configured by the user to run Qualys Agent.
    - Safe mode - Qualys Cloud Agent runs the VM scan only with lower privileges. In this case, Cloud Agent will not run any commands or binary files which require elevated privileges.
    - Dynamic privilege elevation - Qualys Agent runs the VM scan with lower privileges by default. However, the Cloud Agent will dynamically elevate the privileges to root access only for the commands that failed due to permissions with lower privileges.
- Existing proxy configuration support is extended to support Proxy Auto-Configuration (PAC) file. **Note**: The URL to the PAC file must be set in `http_proxy` or `https_proxy` in the `https_proxy=pac+http://url.to/proxy.pac` format.
  The agent can be configured to use the variable in one of the following ways:
    - `/etc/sysconfig/qualys-cloud-agent` - applies to Cloud Agent for Linux (.rpm)
    - `/etc/default/qualys-cloud-agent` - applies to Cloud Agent for Linux (.deb)
    - `/etc/environment` - applies to Cloud Agent for Linux (.rpm) and Linux (.deb)
- Added Bring Your Own License (BYOL) support for Oracle Cloud Infrastructure (OCI) to enable Qualys VM scanning for instances on OCI. You can configure Qualys Agent-based scan from OCI console/SDK.

  OCI Vulnerability Scanning Service (VSS) will manage the installation, provisioning, and monitoring of Qualys Cloud Agent on OCI instances. Qualys Agent will execute VM scans at regular intervals. The scan report is sent to VSS and is also available in Qualys UI.

- Pre and Post Deployment Actions in Patch Management: Patch Management is enhanced to support multiple shell scripts execution before (pre) and after (post) patch deployment.

  During patch job creation in the Patch Management UI, you can add maximum five shell scripts in pre and post-deployment actions. The Patch Management job will execute the pre-scripts, deploy the patch, and execute post-scripts. Qualys Cloud Agent reports the status of each script execution.

Enhancements

There are no enhancements in this release.

Behavior Changes

There are no behavior changes in this release.

Platform Coverage Support (Operating Systems)

Added support for Rocky Linux 8.4, 8.5, and 8.6.

Fixed Defects

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

ID	Description
CRM-96235	Fixed an issue where additional error information was added with the standard output in the Output field after the script execution failure in Custom Assessment and Remediation (CAR) application. Now, only the standard output is added to the Output field upon script execution failure in CAR.

Known Limitations and Workarounds

There are no known notable issues open in this release.