Qualys Gateway Service v3.x
Release Notes

Version 3.4.0
November 02, 2023

What's New?

Here's what's new in Qualys Gateway Service 3.4.0!

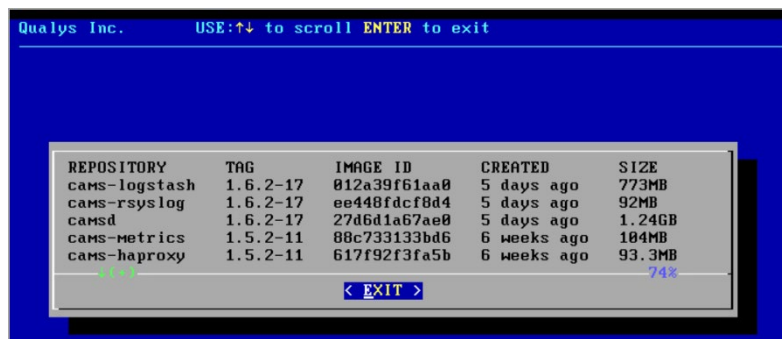Qualys Gateway Service 3.4.0 brings you many more improvements and updates!

Appliance Upgrades and Versions

QGS 3.4.0 brings updates to Container and Appliance images.

Container Image Versions

With this release, we have updated the following containers to these new versions:

Container	Versions
Cams-logstash	1.6.2.17
Cams-rsyslog	1.6.2-17
camsD	1.6.2-17
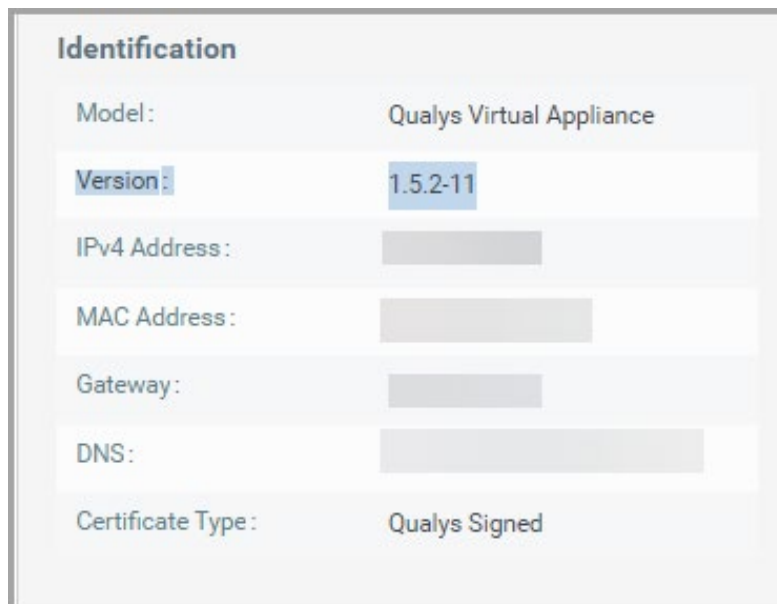
Appliance Image Versions

To verify that the appliance is upgraded to the latest version of QGSUI, check the version described on the **Appliance Details** page.

Upgraded Appliance Base Download Image Version

With this release, we have upgraded the appliance base download image version on the QGS UI. If building a new QGS, download the latest base download image version from the **Download Image tab** in the QGS UI.

Virtualization Platform Image
Download the required virtualization platform image from the supported list.

IMAGE NAME	FILE SIZE	
qualys-qgs-appliance-2.1.0-55.ova	1.50GB	↓
qualys-qgs-appliance-2.1.0-55.ovf.zip	1.47GB	↓
qualys-qgs-appliance-2.1.0-55.vmx.zip	1.46GB	↓

OK
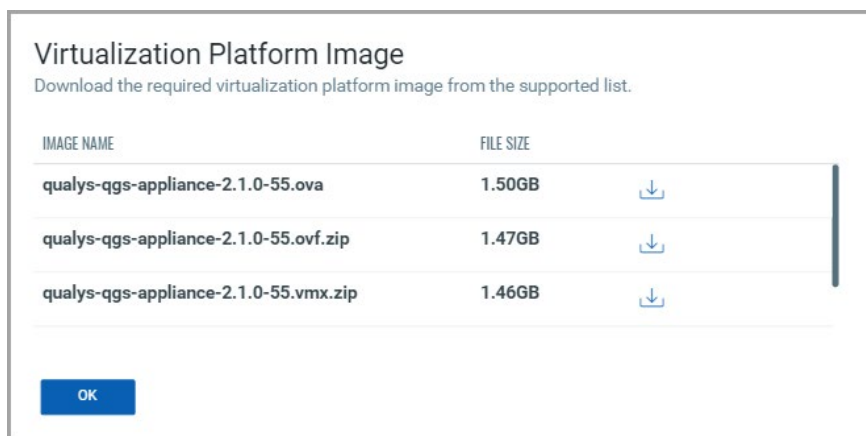
Upgraded Appliance Components

QGS 3.4.0 release updates the following component versions:
- Flatcar OS updated to 3510.2.7 Stable channel. (https://www.flatcar.org/releases#release-3510.2.7)
- Squid proxy version updated to 5.9 (http://www.squid-cache.org/Versions/v5/squid-5.9-RELEASENOTES.html)
- OpenSSL version updated to 3.0.7 (https://www.openssl.org/news/openssl-3.0-notes.html)
- OpenSSH version updated to 9.1p1 (https://www.openssh.com/txt/release-9.1)

Squid Dynamic Cache Memory Feature

With this release, QGS calculates the amount of available main memory, and if it changes upwards, allocates more RAM to each of the Squid proxies. This allows Windows or Linux ISO images to be cached on the QGS when the Patch Management 'Install Software' option is used as part of a patch job.

Memory is allocated to each Squid proxy using the following formula.

Squid RAM = (QGS RAM /2) -3 Gigabytes

In addition, the maximum object size is equal to Squid RAM – 0.1 GB.

Therefore, Squid RAM would be allocated as follows in these scenarios.

QGS RAM	Squid RAM
QGS with 16GB RAM	Each Squid has 5GB RAM, max object size is 4.9GB
QGS with 24GB RAM	Each Squid has 9GB RAM, max object size is 8.9GB
QGS with 32GB RAM	Each Squid has 13GB RAM, max object size is 12.9GB

This feature is expected to see primary use in upgrade-in-place tasks, such as upgrading a fleet of Windows 10 FP1909 machines to Windows 10 22H2 using the 6GB Windows 10 ISO image. Subsequently, it can be applied to address other patching needs. By leveraging QGS for caching the ISO image, significant optimization is achieved in re-baselining activities across a multitude of endpoints within a single patch operation. This minimizes the need to

repeatedly download the same ISO image, resulting in substantial bandwidth savings, particularly when handling large-scale OS upgrades.

Out-of-Support Endpoints

Due to the OpenSSL version being raised as part of the Squid upgrade and the subsequent removal of legacy TLS ciphers, Windows Server 2008 R1 and Windows Server 2008 Standard are no longer eligible for support. Contact your Qualys Technical Account Manager if you are affected by this change. In cases where client endpoints are considered legacy and unable to be updated, a QGS Private Build, based on a mid-2021 version of QGS, can be provided.