

Qualys Container Security

Release Notes

Version 1.13

December 21, 2021

Here's what's new in Container Security 1.13!

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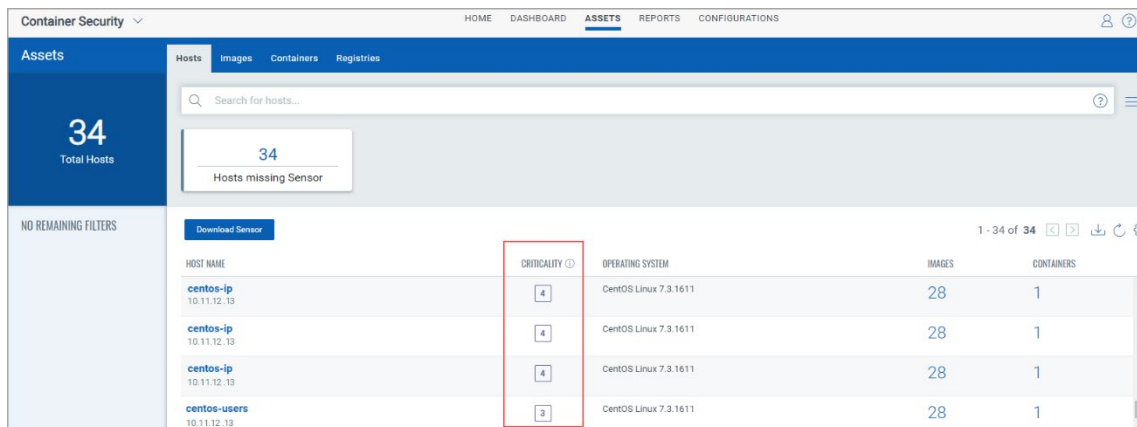
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Container Security 1.13 brings you more improvements and updates! [Learn more](#)

Asset Criticality Scores Now Appear in the Container Security UI

The **Assets > Hosts** list (and the **Asset Details** page) within the Container Security UI will now show the asset criticality score for each asset. The asset criticality score represents the criticality of an asset to your business infrastructure. This score is calculated based on multiple tags assigned to the asset with asset criticality scores defined. The highest score assigned to the asset via multiple tags is the asset criticality score of the asset. If the tags associated with the asset don't have criticality scores defined, then a score of '2' is assigned by default.

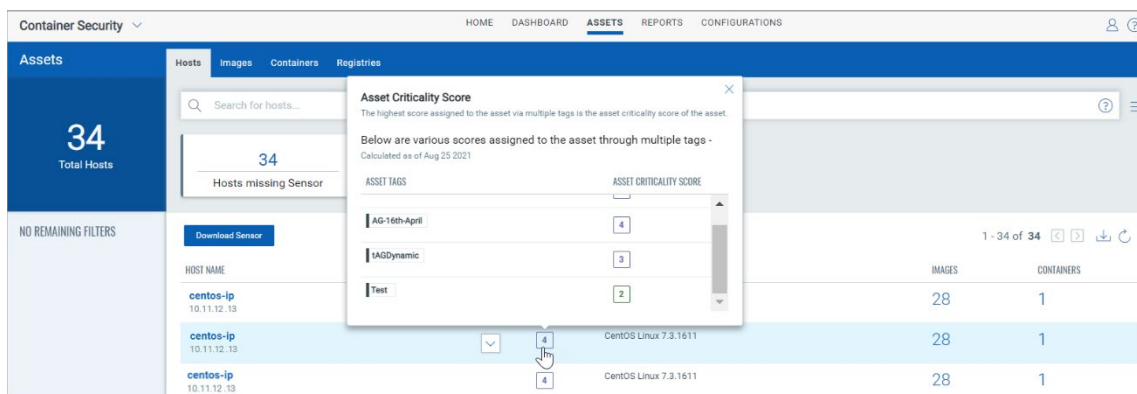
Go to **Assets > Hosts** and you'll see the new **Criticality** column with a score for each host.



The screenshot shows the 'Assets > Hosts' page in the Container Security UI. A table lists hosts with columns for Host Name, Criticality, Operating System, Images, and Containers. A red box highlights the 'CRITICALITY' column header and the scores for the first four hosts.

HOST NAME	CRITICALITY	OPERATING SYSTEM	IMAGES	CONTAINERS
centos-ip 10.11.12.13	4	CentOS Linux 7.3.1611	28	1
centos-ip 10.11.12.13	4	CentOS Linux 7.3.1611	28	1
centos-ip 10.11.12.13	4	CentOS Linux 7.3.1611	28	1
centos-users 10.11.12.13	3	CentOS Linux 7.3.1611	28	1

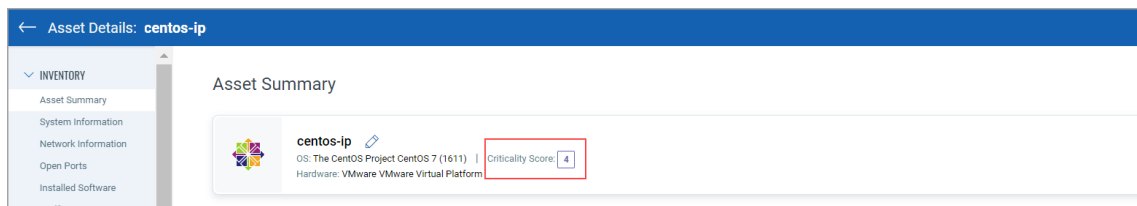
Click the score for any host to see the tags used to determine the score.



The screenshot shows the 'Assets > Hosts' page with a modal window titled 'Asset Criticality Score' open. The modal explains that the score is the highest assigned to the asset via multiple tags and lists the tags and their scores.

ASSET TAGS	ASSET CRITICALITY SCORE
AG-16th-April	4
1AGDynamic	3
Test	2

Choose **View Details** from the Quick Actions menu for any host to get the **Asset Details** page. This page also shows the **Criticality Score** in the **Asset Summary** section. Again, you can click on the score to see the tags used to determine the score.



The screenshot shows the 'Asset Details' page for 'centos-ip'. The 'Asset Summary' section displays the asset's name, OS, hardware, and a 'Criticality Score' of 4, which is highlighted with a red box.

Asset Summary
centos-ip OS: The CentOS Project CentOS 7 (1611) Criticality Score: 4 Hardware: VMware VMWare Virtual Platform

How to define asset criticality scores

You can define the asset criticality score for a tag while creating asset tags in Global AssetView (GAV) / CyberSecurity Asset Management (CSAM). You can set the asset criticality score between 1 to 5, 1 being the lowest and 5 being the highest. If you don't select an asset criticality score, a criticality score of 2 is applied to the asset by default.

You can apply tags manually or configure rules for automatic classification of your assets in logical, hierarchical, or business-contextual groups. When these tags are assigned to assets manually or dynamically through rules, asset criticality scores are calculated for each asset. If an asset has multiple tags, the highest score amongst the applied tags is assigned to the asset. For example, if asset 'A' has three tags with asset criticality scores 3, 4 and 2, then the asset criticality score for asset 'A' will be 4.

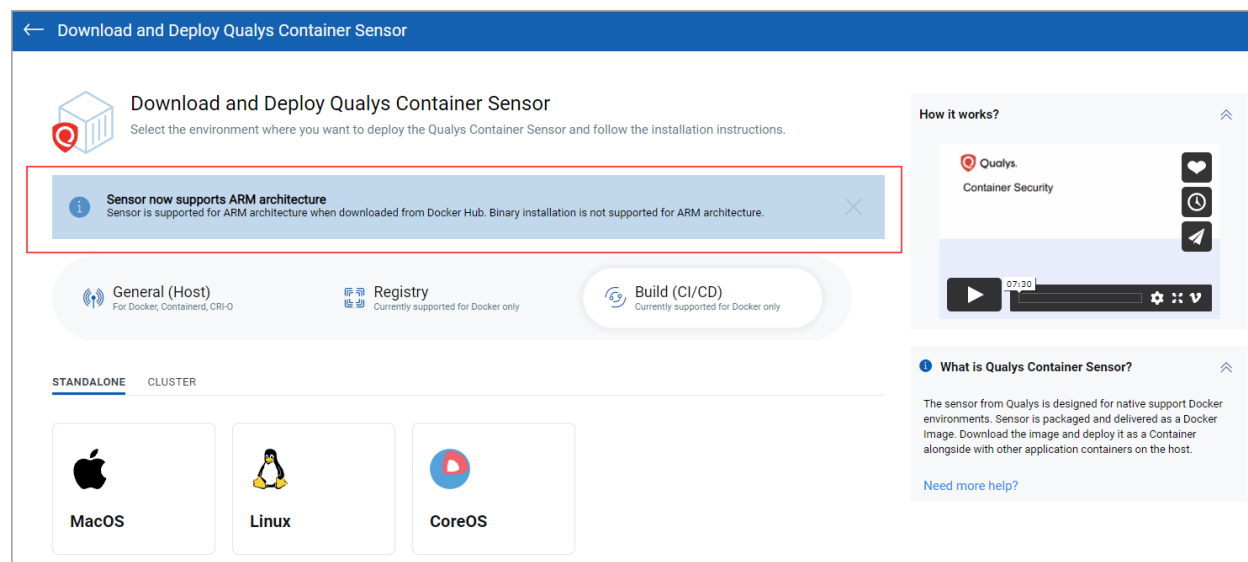
Refer to the Global AssetView / CyberSecurity Asset Management [Quick Start Guide](#) or [Online Help](#) to learn more.

Updates to Download Sensor Page Plus ARM Support

We made a few changes to the **Download and Deploy Qualys Container Sensor** page. Go to **Configurations > Sensors**, and click **Download Sensor**.

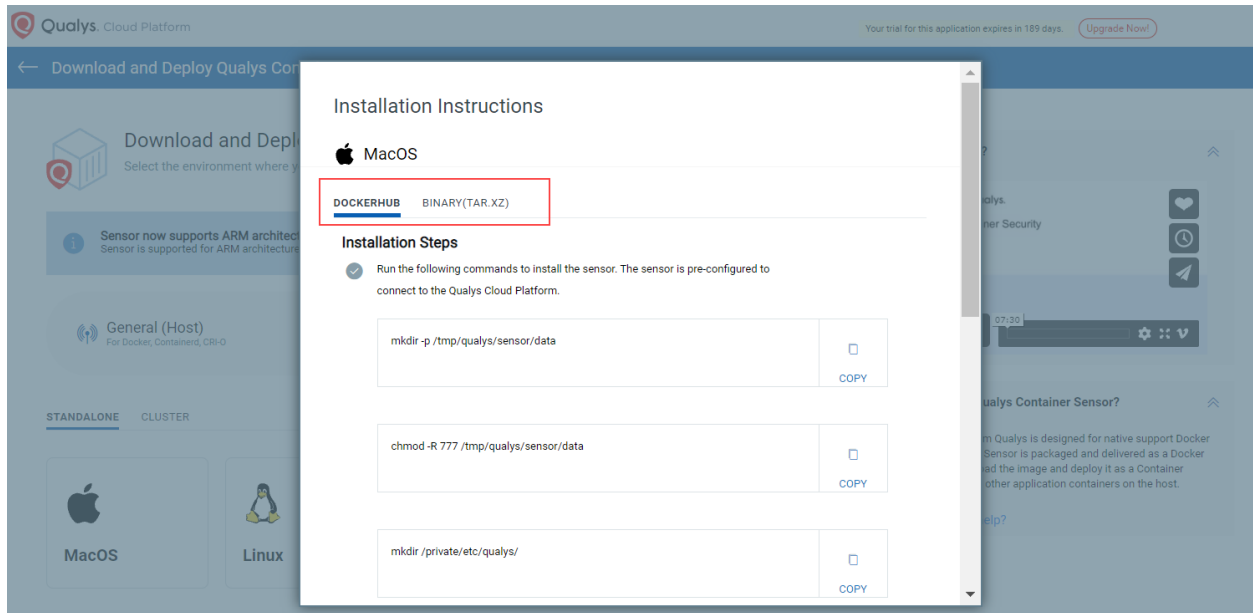
Sensor now supports ARM architecture

The first thing you'll notice is the note on the page explaining that Sensor is now supported for ARM architecture when the sensor is downloaded from Docker Hub. Binary installation is not supported for ARM architecture.

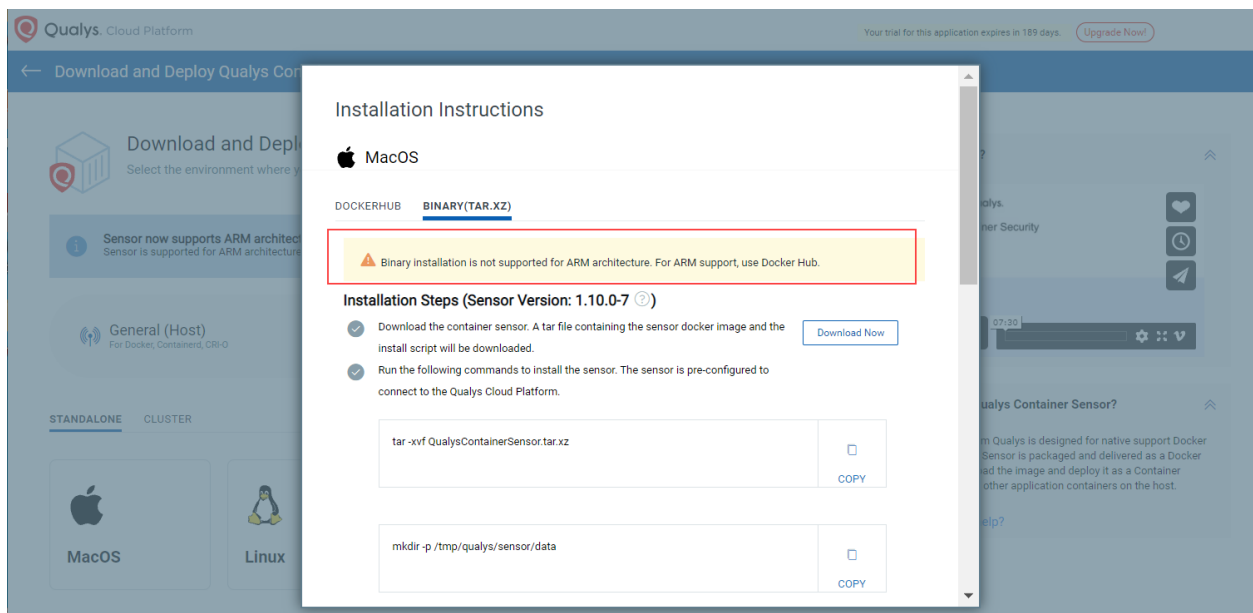


Reordered tabs for Standalone deployments

To deploy sensor on a standalone host, you'll pick the host's operating system and then pick the method you'll use to install the sensor (Docker Hub or Binary). You'll notice on this page that we reordered the tabs so that the DOCKERHUB tab appears first. Also, the TAR tab was renamed BINARY(TAR.XZ).



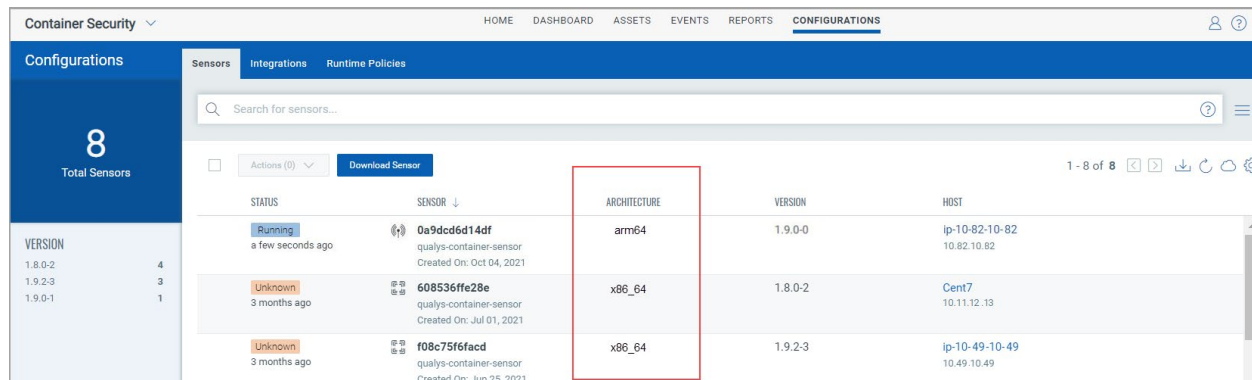
When you choose the BINARY(TAR.XZ) tab you'll be reminded again that binary installation is not supported for ARM architecture. For ARM support, use Docker Hub.



Architecture Information Added to Sensor List and Sensor Details

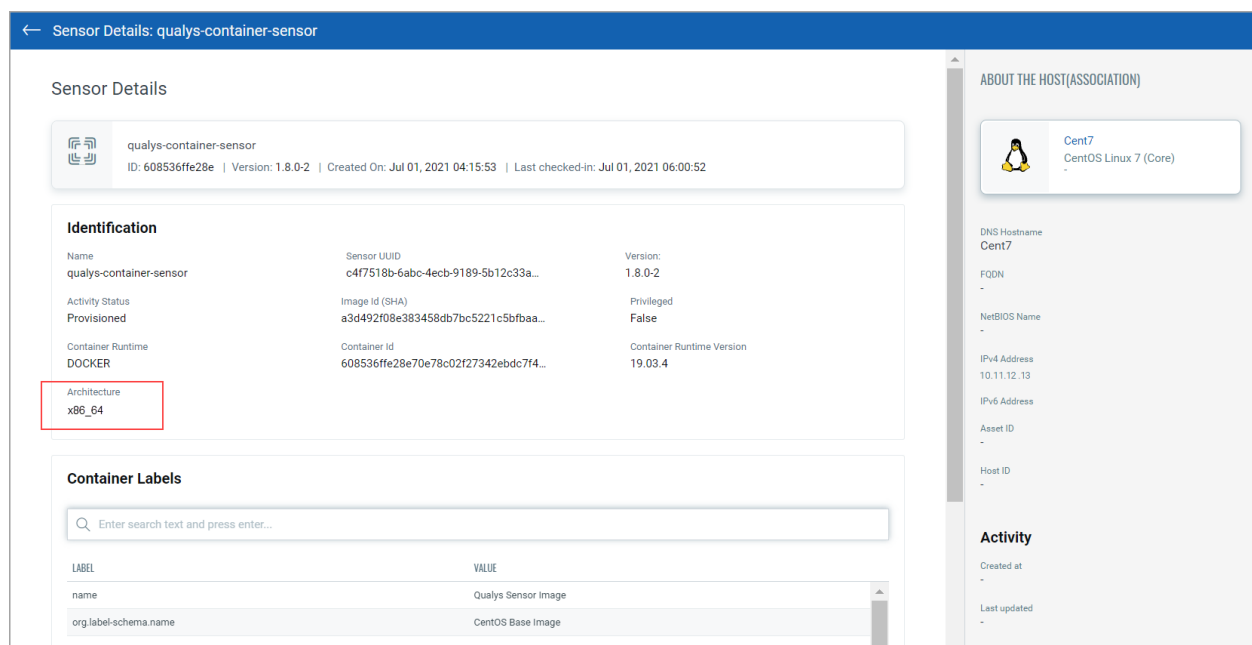
Sensors are supported for ARM architecture and AMD architecture. We've updated the Sensors list and the Sensor Details page to show architecture information for each sensor.

Go to **Configurations > Sensors**. Note the new **Architecture** column. For ARM architecture, you'll see a value of arm64. For AMD architecture, you'll see a value of amd64 or x86_64.



STATUS	SENSOR	ARCHITECTURE	VERSION	HOST
Running a few seconds ago	0a9dcd6d14df qualys-container-sensor Created On: Oct 04, 2021	arm64	1.9.0-0	ip-10-82-10-82 10.82.10.82
Unknown 3 months ago	608536ffe28e qualys-container-sensor Created On: Jul 01, 2021	x86_64	1.8.0-2	Cent7 10.11.12.13
Unknown 3 months ago	f08c75f6fadc qualys-container-sensor Created On: Jun 25, 2021	x86_64	1.9.2-3	ip-10-49-10-49 10.49.10.49

Choose **View Details** from the Quick Actions menu for any sensor to see the **Sensor Details** page. This page will show the same **Architecture** value, under **Identification**.



Sensor Details

qualys-container-sensor
ID: 608536ffe28e | Version: 1.8.0-2 | Created On: Jul 01, 2021 04:15:53 | Last checked-in: Jul 01, 2021 06:00:52

Identification

Name	qualys-container-sensor	Sensor UUID	c4f7518b-6abc-4ecb-9189-5b12c33a...	Version	1.8.0-2
Activity Status	Provisioned	Image Id (SHA)	a3d492f08e383458db7bc5221c5bfbbaa...	Privileged	False
Container Runtime	DOCKER	Container Id	608536ffe28e70e78c02f27342ebdc7f4...	Container Runtime Version	19.03.4
Architecture	x86_64				

Container Labels

LABEL	VALUE
name	Qualys Sensor Image
org.label-schema.name	CentOS Base Image
org.opencontainers.image.vendor	CentOS

ABOUT THE HOST(ASSOCIATION)

Cent7
CentOS Linux 7 (Core)

DNS Hostname
Cent7

FQDN
-

NetBIOS Name
-

IPv4 Address
10.11.12.13

IPv6 Address
-

Asset ID
-

Host ID
-

Activity

Created at
-

Last updated
-

Sensor Details Page Redesign

You may also notice that the Sensor Details page has a new look. Sensor details have been grouped into logical sections, including **Identification** and **Container Labels**.

Also, we've added a quick copy option next to each value in the **Identification** section which allows you to easily copy a value and paste it into a search query, text file, etc. Place your mouse cursor next to any value and you'll see the copy icon appear. Click this icon and the value will be copied to your clipboard.

The screenshot shows the 'Sensor Details' page for a sensor named 'qualys-container-sensor'. The page is divided into several sections:

- Sensor Details:** Displays the sensor name, ID (608536ffe28e), Version (1.8.0-2), Created On (Jul 01, 2021 04:15:53), and Last checked-in (Jul 01, 2021 06:00:52).
- Identification:** A table with sensor details. A red box highlights a copy icon next to the Sensor UUID (c4f7518b-6abc-4ecb-9189-5b12c33a...).
- Container Labels:** A section with a search bar and a table of labels. The table has columns 'LABEL' and 'VALUE'. Labels include 'name' (Qualys Sensor Image), 'org.label-schema.name' (CentOS Base Image), and 'org.opencontainers.image.vendor' (CentOS).
- ABOUT THE HOST(ASSOCIATION):** A sidebar section showing host information for 'Cent7' (CentOS Linux 7 (Core)). It lists DNS Hostname, FQDN, NetBIOS Name, IPv4 Address (10.11.12.13), IPv6 Address, Asset ID, and Host ID.
- Activity:** A section showing 'Created at' and 'Last updated' timestamps.

Host Architecture Search Tokens Added for Images and Containers

Now when you're searching images (on **Assets > Images** tab) or containers (on **Assets > Containers** tab) you can use the new QQL search token **hostArchitecture**. When using this search token, select a value of amd64, arm64, x86_64 to find images/containers based on the host architecture value.

The screenshot shows the search interface for Hosts, Images, Containers, and Registries. The 'Images' tab is selected. The search bar contains the text 'hostArchitecture:'. Below the search bar, a list of host architectures is displayed: amd64, arm64, and x86_64. A mouse cursor is hovering over the 'arm64' option. To the right of the list, there is a 'Syntax Help' section with the following text:

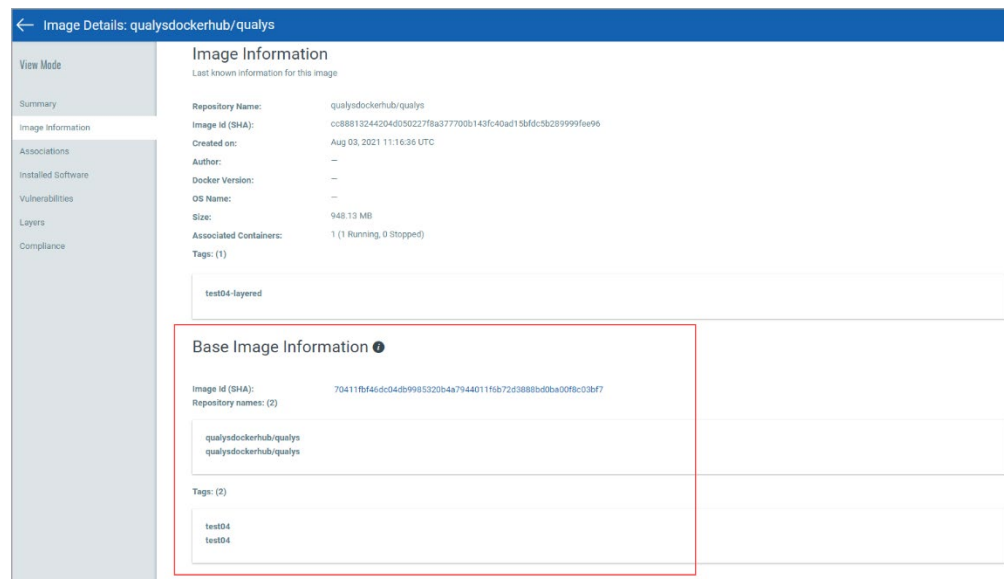
Syntax Help
hostArchitecture
Use a text value ##### to find images based on the host architecture (amd64, arm64, x86_64).
Example
Show findings with arm64 host architecture
hostArchitecture: arm64

A 'View All Tokens' link is also visible in the top right corner of the search bar area.

Base Image Information Added for Instrumented Images

We updated the **Image Details** page to include a new section called **Base Image Information**. This new section appears when viewing details for instrumented images in your Images list. Base image information includes the Image Id (SHA), Repository name(s) and Tags for the base image that was used to instrument the selected image.

To view base image information, go to **Assets > Images**. Find an instrumented image in your list and choose **View Details** from the Quick Actions menu. The **Image Details** page appears with the new section **Base Image Information**, under **Image Information**.



View Image Details for Base Image

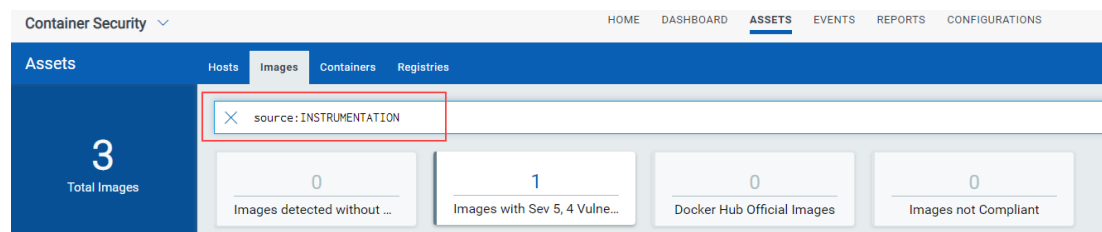
Click the **Image Id (SHA)** value to view the **Image Details** page for the base image.

Note - If the base image is no longer in your list of images, then this value will not appear as a hyperlink and you will not be able to view any additional information for the base image.

Tip - Use search to quickly find instrumented images

Go to **Assets > Images** and perform a search using this search query:

source: INSTRUMENTATION



Support for Mirantis Secure Registry (MSR) 2.9.4+

We expanded our registry scanning support to include Mirantis Secure Registry (MSR) 2.9.4+. To scan images in Mirantis Secure Registry, you'll need to complete these steps:

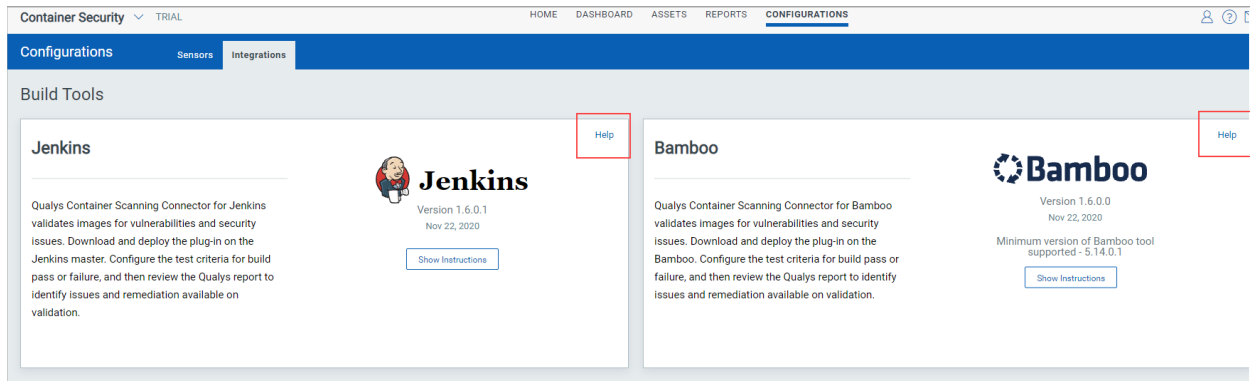
- 1) Download the Registry sensor. Go to **Configurations > Sensors > Download Sensor** and pick **Registry**. Select the Docker environment where you want to deploy the sensor and follow the installation instructions on the screen. Ensure the registry sensor is in Running state and continue to the next step.
- 2) Add your Mirantis Secure Registry in the Container Security UI and set up a scanning schedule. Go to **Assets > Registries > New Registry**. Choose registry type **Docker V2-Private** and provide the registry URL and authentication credentials for connecting to your registry. Admin credentials are required. Mirantis Secure Registry supports Token based authentication. The sensor will perform the V2 catalog call with the authentication token.

Small UI Changes

We made a few, small UI changes for consistency across Qualys products.

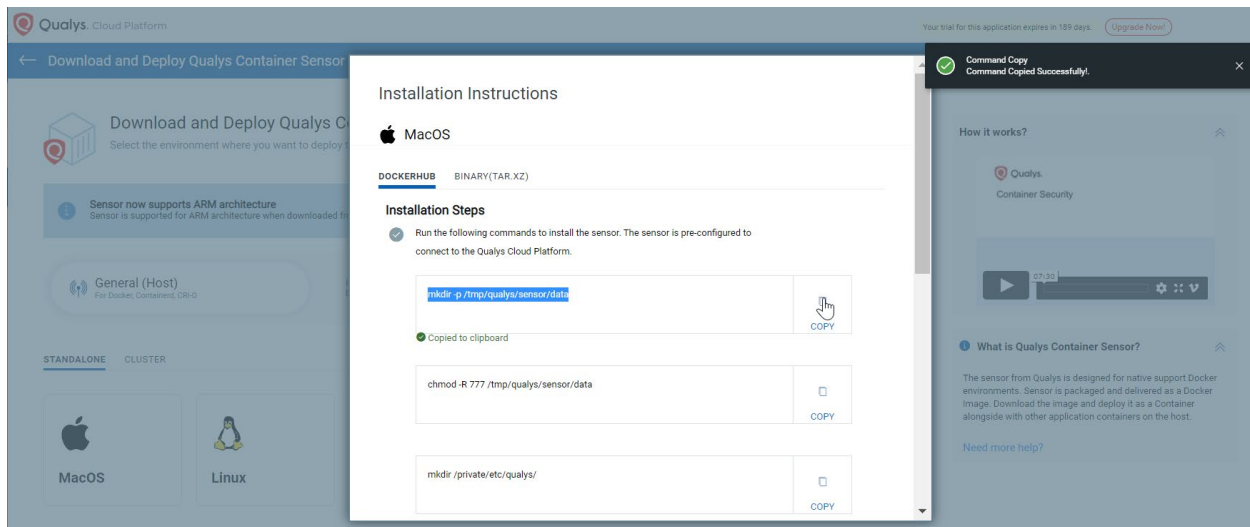
Help Link on Integrations Page

On the Configurations > Integrations page we replaced the Help button with a Help link, as shown in the image below.



New Design for Copy Component

When you choose the “Copy” option, for example when copying commands to install a new sensor, the entire contents will be copied to the clipboard with one click and you’ll see a success message in the UI.



Issues Addressed

- We fixed an issue where the total number of containers shown for an image on the Images list didn't match the number of associated containers in Image Details.