



Qualys Container Security v1.x

API Release Notes

Version 1.6.8

August 12, 2020

Qualys Container Security API gives you many ways to integrate your programs and API calls with Qualys capabilities.

What's New

[CRI-O runtime value added to API output for Sensors List & Sensor Details](#)

[Image List Output updated to show last found on host information](#)

Qualys API URL

The Qualys API URL you should use for API requests depends on the Qualys platform where your account is located.

[Click here to identify your Qualys platform and get the API URL](#)

This documentation uses the API server URL for Qualys US Platform 1 (<https://qualysapi.qualys.com>) in sample API requests. If you're on another platform, please replace this URL with the appropriate server URL for your account.

CRI-O runtime value added to API output for Sensors List & Sensor Details

APIs affected	/csapi/v1.1/sensors /csapi/v1.1/sensors/{sensorId}
New or Updated APIs	Updated

This release introduces support for sensor deployment in CRI-O environments. When you list sensors in your account or get details for a particular sensor, you'll now see a containerRuntime value of CRI-O for sensors deployed in a CRI-O environment. You can also filter the list of sensors to only show sensors with a containerRuntime value of CRI-O.

Fetch a list of sensors in your account

/csapi/v1.1/sensors

[GET]

Get a list of sensors in your account. You'll see the containerRuntime value CRI-O for any sensor deployed in a CRI-O environment.

Example 1: Fetch all sensors

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Basic VVNFUk5BTUU6UEFTUldPUkQ=' 'https://qualysapi.qualys.com/csapi/v1.1/sensors?pageNo=1&pageSize=50&sort=created%3Adesc'
```

Response:

```
{
  "data": [
    {
      "uuid": "7e182b28-6847-4370-a09b-6748a4ef0989",
      "activationUuid": "fabee632-08f5-431c-a571-af623e3314e4",
      "hostname": "ip-10-90-3-126",
      "customerUuid": "5c616df3-0257-d5c7-82cc-d04295ac74bf",
      "dockerVersion": "",
      "ipv4": "10.90.3.126",
      "os": "",
      "ipv6": "",
      "sensorVersion": "1.3.3-50",
      "platform": "LINUX_SENSOR",
      "lastCheckedIn": "1594223378021",
      "label": [
        {
```

```
    "key": "io.kubernetes.pod.namespace",
    "value": "kube-system"
  },
  {
    "key": "io.kubernetes.pod.name",
    "value": "qualys-container-sensor-wklwm"
  },
  {
    "key": "io.kubernetes.pod.uid",
    "value": "68c326a9-aa5c-4c3f-8faa-ac3a365d2a28"
  },
  {
    "key": "io.kubernetes.container.name",
    "value": "qualys-container-sensor"
  }
],
"privileged": "false",
"macAddress": "12:3b:fe:d8:0d:c1",
"vulnSigVersion": null,
"hostUuid": "ffc775cb-3ac3-4f01-bb1c-4b9e514d9601",
"configurationProfile": null,
"status": "Provisioned",
"registry": null,
"sha":
"c519c25ce69a01d2177652b039cf109509fdc2c028d2afc601a7a91af8efe3eb",
  "sensorId": "c519c25ce69a",
  "name": "qualys-container-sensor",
  "created": "1594212020748",
  "imageId": "7ed992994646",
  "imageSha":
"7ed99299464608e5fc64f44df57612b2bf97fd3f3359f3ef0f88817f31e92f93",
  "binaryVersion": null,
  "containerIpv4": null,
  "containerIpv6": null,
  "containerMacAddress": null,
  "sensorType": "GENERAL",
  "containerRuntime": "CRI-O",
  "containerRuntimeVersion": "1.17.4"
},
{
  "uuid": "cc54d89e-aeef-49d6-9691-3fab38034fe3",
  "activationUuid": "fabee632-08f5-431c-a571-af623e3314e4",
  "hostname": "ip-10-90-3-126",
  "customerUuid": "5c616df3-0257-d5c7-82cc-d04295ac74bf",
  "dockerVersion": "",
  "ipv4": "10.90.3.126",
  "os": "",
  "ipv6": "",
  "sensorVersion": "1.3.3-50",
```

```
"platform": "LINUX_SENSOR",
"lastCheckedIn": "1594210944916",
"label": null,
"privileged": null,
"macAddress": "12:3b:fe:d8:0d:c1",
"vulnSigVersion": null,
"hostUuid": null,
"configurationProfile": null,
"status": "Provisioned",
"registry": null,
"sha": null,
"sensorId": null,
"name": null,
"created": null,
"imageId": null,
"imageSha": null,
"binaryVersion": null,
"containerIpv4": null,
"containerIpv6": null,
"containerMacAddress": null,
"sensorType": "GENERAL",
"containerRuntime": null,
"containerRuntimeVersion": null
},
...
```

Example 2: Fetch only sensors with CRI-O runtime type using filter

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic VVNFUk5BTUU6UEFTU1dPUkQ='
'https://qualysapi.qualys.com/csapi/v1.1/sensors?filter=containerRuntime%
3ACRI-O&pageNo=1&pageSize=50&sort=created%3Adesc'
```

Response:

```
{
  "data": [
    {
      "uuid": "7e182b28-6847-4370-a09b-6748a4ef0989",
      "activationUuid": "fabee632-08f5-431c-a571-af623e3314e4",
      "hostname": "ip-10-90-3-126",
      "customerUuid": "5c616df3-0257-d5c7-82cc-d04295ac74bf",
      "dockerVersion": "",
      "ipv4": "10.90.3.126",
      "os": "",
      "ipv6": "",
      "sensorVersion": "1.3.3-50",
      "platform": "LINUX_SENSOR",
```

```
"lastCheckedIn": "1594223378021",
"label": [
  {
    "key": "io.kubernetes.pod.namespace",
    "value": "kube-system"
  },
  {
    "key": "io.kubernetes.pod.name",
    "value": "qualys-container-sensor-wklwm"
  },
  {
    "key": "io.kubernetes.pod.uid",
    "value": "68c326a9-aa5c-4c3f-8faa-ac3a365d2a28"
  },
  {
    "key": "io.kubernetes.container.name",
    "value": "qualys-container-sensor"
  }
],
"privileged": "false",
"macAddress": "12:3b:fe:d8:0d:c1",
"vulnSigVersion": null,
"hostUuid": "ffc775cb-3ac3-4f01-bb1c-4b9e514d9601",
"configurationProfile": null,
"status": "Provisioned",
"registry": null,
"sha":
"c519c25ce69a01d2177652b039cf109509fdc2c028d2afc601a7a91af8efe3eb",
"sensorId": "c519c25ce69a",
"name": "qualys-container-sensor",
"created": "1594212020748",
"imageId": "7ed992994646",
"imageSha":
"7ed99299464608e5fc64f44df57612b2bf97fd3f3359f3ef0f88817f31e92f93",
"binaryVersion": null,
"containerIpv4": null,
"containerIpv6": null,
"containerMacAddress": null,
"sensorType": "GENERAL",
"containerRuntime": "CRI-O",
"containerRuntimeVersion": "1.17.4"
},
{
  "uuid": "41392175-ccd6-40b9-844d-2135ce8b6265",
  "activationUuid": "fabee632-08f5-431c-a571-af623e3314e4",
  "hostname": "kubemaster1",
  "customerUuid": "5c616df3-0257-d5c7-82cc-d04295ac74bf",
  "dockerVersion": "",
  "ipv4": "10.113.199.152",
```

```
"os": "",
"ipv6": "",
"sensorVersion": "1.3.2-60",
"platform": "LINUX_SENSOR",
"lastCheckedIn": "1594214202228",
"label": [
  {
    "key": "io.kubernetes.pod.namespace",
    "value": "kube-system"
  },
  {
    "key": "io.kubernetes.pod.name",
    "value": "qualys-container-sensor-wq5pv"
  },
  {
    "key": "io.kubernetes.pod.uid",
    "value": "e8ff8d31-70a6-46d6-947d-bd39d5552a30"
  },
  {
    "key": "io.kubernetes.container.name",
    "value": "qualys-container-sensor"
  }
],
"privileged": "false",
"macAddress": "00:50:56:81:35:4b",
"vulnSigVersion": null,
"hostUuid": "fe7326a5-2528-4392-acb7-7b8ee2e011d2",
"configurationProfile": null,
"status": "Provisioned",
"registry": null,
"sha":
"58be12b5657a29a95a4872f7ec631b4b91a1b4de5e0af4368703764132bd6dd1",
"sensorId": "58be12b5657a",
"name": "qualys-container-sensor",
"created": "1594139468982",
"imageId": "8b834b0e25e9",
"imageSha":
"8b834b0e25e96a8bfca40cd6da88ab4ae703aeb1fb239101edfb242122aeaea1",
"binaryVersion": null,
"containerIpv4": null,
"containerIpv6": null,
"containerMacAddress": null,
"sensorType": "GENERAL",
"containerRuntime": "CRI-O",
"containerRuntimeVersion": "1.16.6"
},
"count": 2
}
```

Fetch sensor details

/csapi/v1.1/sensors/{sensorId}

[GET]

Get details for a particular sensor by specifying the sensor ID. When the sensor is deployed in a CRI-O environment you'll see CRI-O as the value for containerRuntime.

Input Parameters:

Parameter	Description
sensorId	Provide the sensor Id that you want to see details for.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic VVNFUk5BTUU6UEFTU1dPUkQ='
'https://qualysapi.qualys.com/csapi/v1.1/sensors/58be12b5657a'
```

Response:

```
{
  "uuid": "41392175-ccd6-40b9-844d-2135ce8b6265",
  "activationUuid": "fabee632-08f5-431c-a571-af623e3314e4",
  "hostname": "kubemaster1",
  "customerUuid": "5c616df3-0257-d5c7-82cc-d04295ac74bf",
  "dockerVersion": "",
  "ipv4": "10.113.199.152",
  "os": "",
  "ipv6": "",
  "sensorVersion": "1.3.2-60",
  "platform": "LINUX_SENSOR",
  "lastCheckedIn": "1594214202228",
  "label": [
    {
      "key": "io.kubernetes.pod.namespace",
      "value": "kube-system"
    },
    {
      "key": "io.kubernetes.pod.name",
      "value": "qualys-container-sensor-wq5pv"
    },
    {
      "key": "io.kubernetes.pod.uid",
      "value": "e8ff8d31-70a6-46d6-947d-bd39d5552a30"
    },
    {
      "key": "io.kubernetes.container.name",
```

```
    "value": "qualys-container-sensor"
  }
],
"privileged": "false",
"macAddress": "00:50:56:81:35:4b",
"vulnSigVersion": null,
"hostUuid": "fe7326a5-2528-4392-acb7-7b8ee2e011d2",
"configurationProfile": null,
"status": "Provisioned",
"registry": null,
"sha":
"58be12b5657a29a95a4872f7ec631b4b91a1b4de5e0af4368703764132bd6dd1",
"sensorId": "58be12b5657a",
"name": "qualys-container-sensor",
"created": "1594139468982",
"imageId": "8b834b0e25e9",
"imageSha":
"8b834b0e25e96a8bfca40cd6da88ab4ae703aeb1fb239101edfb242122aeaea1",
"binaryVersion": null,
"containerIpv4": null,
"containerIpv6": null,
"containerMacAddress": null,
"sensorType": "GENERAL",
"containerRuntime": "CRI-O",
"containerRuntimeVersion": "1.16.6"
}
```


Image List Output updated to show last found on host information

APIs affected	/csapi/v1.1/images
New or Updated APIs	Updated

Now when you list images in your account, you'll see details about the host on which the image was last detected (i.e. the most recent detection). Host details appear in the output under `lastFoundOnHost` and include the hostname, IP address, sensor UUID and the last updated date.

You'll see host details only when the image was detected by a General (Host) Sensor or Build (CI/CD) Sensor. You'll see a value of null in the output for Registry Sensor.

Fetch a list of images in your account

/csapi/v1.1/images

[GET]

Sample to get a list of images. `lastFoundOnHost` with host details appears in the output.

Example 1: Fetch all images

API request:

```
curl -X GET --header 'Accept: application/json' --header  
'Authorization: Basic VVNFUk5BTUU6UEFTU1dPUkQ='  
'https://<QualysURL>/csapi/v1.1/images?pageNumber=1&pageSize=2&sort=creat  
ed%3Adesc'
```

Response:

```
{  
  "data": [  
    {  
      "created": "1594092270000",  
      "updated": "1594119117240",  
      "sha":  
      "850c7f6e428eb7d28316e576d769202514f5d627884f8cf8376677eeda70d2ee",  
      "repo": [  
        {  
          "registry": "docker.io",  
          "tag": "checkoutapp",  
          "repository": "qualysdemo/checkoutapp"  
        }  
      ],  
      "repoDigests": [  

```

```
{
  "registry": "docker.io",
  "digest":
"ce097ccd6cea4edf9c8511d2each7f189d51e21f7e0bd73c032b8b1e16fa8758",
  "repository": "qualysdemo/checkoutapp"
}
],
"uuid": "59b849c6-e045-3f40-88bb-100dcb2b90f0",
"size": 882602171,
"vulnerabilities": {
  "severity5Count": 0,
  "severity3Count": 0,
  "severity4Count": 0,
  "severity1Count": 0,
  "severity2Count": 0
},
"imageId": "850c7f6e428e",
"associatedContainersCount": 0,
"associatedHostsCount": 1,
"lastScanned": "1594119117239",
"registryUuid": null,
"source": [
  "GENERAL"
],
"isDockerHubOfficial": false,
"isInstrumented": false,
"instrumentedFrom": null,
"instrumentationState": null,
"scanType": "DYNAMIC",
"scanErrorCode": null,
"scanStatus": "SUCCESS",
"lastFoundOnHost": {
  "hostname": "my-hostname.test.qualys.com",
  "ipAddress": "10.44.29.39",
  "sensorUuid": "9aab6cbf-8e7f-48f2-b95b-0015d254be5b",
  "uuid": "b0c2c0eb-4387-4cc4-8aeb-303c0df150bb",
  "lastupdated": "2020-03-19T11:45:08Z"
}
}
],
"count": 68
}
```