



# Qualys Container Security v1.21

## API Release Notes

Version 1.21

January 02, 2023

Qualys Cloud Suite API gives you many ways to integrate your programs and API calls with Qualys capabilities. You'll find all the details in our user guides, available at the time of release. Just log in to your Qualys account and go to [Help > Resources](#).

### **What's New**

[Enhancements for Sensor Profiles](#)

[Scan All Images \(Force Rescan\) Feature in Automatic Registry Scan Schedules](#)

### **Issues Addressed**

Qualys Container Security API 1.21 brings you many more improvements and updates!  
[Learn more](#)

### **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](#)

## Enhancements for Sensor Profiles

### Sensor Profiles for General and CICD Sensors

You can now configure sensor profiles for the general and CICD sensors.

### Sensor Configuration in Sensor Profiles

It is now possible to specify the sensor configuration parameters in a sensor profile. You can configure parameters for sensor logs and scans, and define sensor inactive windows.

Note: For the sensor inactive window feature, you need sensor version 1.21.0 or later.

The following APIs are affected:

API Name	API Path	New or Updated
<a href="#">Fetch Sensor Profiles That Could be Associated with a Sensor</a>	GET /csapi/v1.3/sensors/profile/associate	New
<a href="#">Attach a Sensor Profile to a Sensor</a>	PUT /csapi/v1.3/sensors/{sensorId}/profile/{profileId}/attach	New
<a href="#">Detach a Sensor Profile from a Sensor</a>	PUT /csapi /v1.3/sensors/{sensorId}/profile/detach	New
<a href="#">Create a Sensor Profile</a>	POST /csapi/v1.3/sensorProfile	Updated
<a href="#">Update a Sensor Profile</a>	PUT /csapi/v1.3/sensorProfile/{sensorProfileId}	Updated
<a href="#">Fetch Sensors that Could be Associated with a Sensor Profile</a>	GET /csapi/v1.3/sensorProfile/sensor/associate	Updated
<a href="#">Fetch Details of a Sensor Profile</a>	GET /csapi/v1.3/sensorProfile/{sensorProfileId}	Updated
<a href="#">Fetch a List of Sensors in Your Account</a>	GET /csapi/v1.3/sensors	Updated
<a href="#">Fetch Sensor Details</a>	GET /csapi/v1.3/sensors/{sensorId}	Updated

## Fetch Sensor Profiles That Could be Associated with a Sensor

API affected	/csapi/v1.3/sensors/profile/associate
Operator	GET
New or Updated APIs	New

Use this API to get a list of sensor profiles that could be associated with a sensor of the corresponding type.

### Input Parameters

Parameter	Mandatory?	Data Type	Description
sensorType	Yes	string	Specify the sensor type: REGISTRY, GENERAL, or CICD. The default value is GENERAL.
pageNumber or pageNo	No	integer	The page to be returned. Page numbers start with 1. For API v1.1 and v1.2, pageNumber and pageNo are both supported. If both are specified in the same request, then pageNumber takes precedence. For API v1.3, only pageNumber is supported.
pageSize	No	integer	The number of records per page to be included in the response. The default value is 50.
sort	No	string	Sort the results using a Qualys token. For example created:desc.

### Sample

#### API Request:

```
curl -X GET
"<qualys_base_url>/csapi/v1.3/sensors/profile/associate?sensorT
ype=GENERAL" -H "accept: application/json" -H "Authorization:
Bearer <token>"
```

#### Response:

```
{
  "count": 0,
  "data": [
```

```
{
  "profileId": "string",
  "profileName": "string",
  "profileType": "Registry",
  "description": "string",
  "createdBy": "string",
  "created": "string",
  "updatedBy": "string",
  "updated": "string",
  "associatedSensorsCount": 0
}
]
}
```

## Create or Update a Sensor Profile

API affected	POST /csapi/v1.3/sensorProfile PUT /csapi/v1.3/sensorProfile/{sensorProfileId}
Operator	POST, PUT
New or Updated APIs	Updated

The following fields are added to the request body for defining the sensor configuration:

Parameter		Data Type	Description
weeklyInactiveWindowSchedules	startTime	string	Configure a window of time in which the sensors in your profile do not operate.
	endTime	string	
	repeatOnDays	string	
vulnerabilityManagement	containerScanningInterval	integer	Select a scanning interval for how often sensors should rescan containers. An interval of 48 hours is recommended for optimum performance.
	imageExclusionRegexList	string	Create an image exclusion list using regular expressions. Images matching the exclusion list are not scanned by the sensors in this profile.
	globalScanningFlag	Boolean	Turn on or off all the scan operations.
	scanningPolicy	string	Specify one of the following policies: - DynamicWithStaticScanningAsFallback: Performs dynamic scanning - Dynamic: Performs static scanning as a fallback to dynamic scanning for images without a shell.

Parameter		Data Type	Description
performanceManagement	maxNoOfArchivedLogFiles	integer	Specify the maximum number of log files to achieve. The remaining files are purged.
	maxLogFileSize	integer	Specify the maximum file size for each log file. After the file size is achieved for a file, a new file is created.
	logSecurityLevel	string	Specifies the type of log data.

## Sample

### API Request:

```
curl -X PUT
"<qualys_base_url>/csapi/v1.3/sensorProfile/6963d471-7598-4d4d-
b95c-e540c75745b2" \
-H "accept: application/json"
-H "Content-Type: application/json"
-H "Authorization: Bearer <token>"
```

### Request Body:

```
{
  "profileId": "6963d471-7598-4d4d-b95c-e540c75745b2",
  "profileName": "General-test2",
  "profileType": "General",
  "description": "",
  "createdBy": "test_zp53",
  "created": "1669108423070",
  "updatedBy": null,
  "updated": "1669111816485",
  "config": {
    "weeklyInactiveWindowSchedules": [
      {
        "repeatOnDays": [
          "SUNDAY"
        ],
        "allDayToggle": false,
        "startTime": "01:15",
        "endTime": "03:00"
      }
    ]
  }
}
```

```
  ],  
  "vulnerabilityManagement": {  
    "globalScanningFlag": true,  
    "scanningPolicy": "DynamicWithStaticScanningAsFallback",  
    "containerScanningInterval": 48,  
    "imageExclusionRegexList": []  
  },  
  "performanceManagement": {  
    "maxNoOfArchivedLogFiles": 5,  
    "maxLogFileSize": 10,  
    "logSecurityLevel": "INFORMATION"  
  }  
},  
"associatedSensorIds": [  
  "f1edef37-8d72-4f5d-87ed-9d6da981cffe"  
],  
"associatedRegistryIds": null  
}
```

Response:

```
{  
  "profileUuid": "6963d471-7598-4d4d-b95c-e540c75745b2"  
}
```

## Fetch Sensors that Could be Associated with a Sensor Profile

API affected	/csapi/v1.3/sensorProfile/sensor/associate
Operator	GET
New or Updated APIs	Updated

The following input parameter is added to specify the type of a sensor profile:

### Input Parameters

Parameter	Mandatory?	Data Type	Description
sensorProfileType	Yes	string	Specify the sensor profile type: Registry, General, or CICD.

### Sample

#### API Request:

```
curl -X GET
"<qualys_base_url>/csapi/v1.3/sensorProfile/sensor/associate?se
nsorProfileType=General&pageNo=0&pageSize=50&sort=created%3Ade
sc"
-H "accept: application/json"
-H "Authorization: Bearer <token>"
```

#### Response:

```
{
  "data": [
    {
      "uuid": "88db9156-6c9e-45cc-8fce-11b889bb76b4",
      "activationUuid": "39b63fbb-3e3a-4905-829f-
aaae794079fc",
      "hostname": "ip-10-82-10-7",
      "customerUuid": "1ab79f42-6cc3-757c-83d9-
b0562c8a6dc8",
      "dockerVersion": "20.10.12",
      "ipv4": "10.82.10.7",
      "os": "Ubuntu 21.10",
      "ipv6": "fe80::8ea:87ff:fe3f:d8c7",
      "sensorVersion": "1.21.0-0",
      "platform": "LINUX_SENSOR",
      "lastCheckedIn": "1669614979341",
```



```

"label": null,
"privileged": null,
"macAddress": "0a:ea:87:3f:d8:c7",
"vulnSigVersion": null,
"hostUuid": "fcd2ce3e-dfed-43ca-a5c1-b680065103cb",
"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": "DOCKER",
"containerRuntimeVersion": "20.10.12",
"architecture": "x86_64",
"associatedSensorProfile": "00000000-0000-0000-0000-0000-000000000000",
"associatedSensorProfileName": null
},
{
"uuid": "13b7a4cd-693c-4fe5-87d5-98fcf3f0b8a5",
"activationUuid": "39b63fbb-3e3a-4905-829f-aaae794079fc",
"hostname": "ip-10-82-8-106",
"customerUuid": "1ab79f42-6cc3-757c-83d9-b0562c8a6dc8",
"dockerVersion": "20.10.12",
"ipv4": "10.82.8.106",
"os": "Ubuntu 21.10",
"ipv6": "fe80::8d3:acff:fecc:477b",
"sensorVersion": "1.21.0-0",
"platform": "LINUX_SENSOR",
"lastCheckedIn": "1669619314969",
"label": [
{

```

```

        "key": "build-date",
        "value": "Tue Nov 22 08:31:36 UTC 2022"
    },
    {
        "key": "name",
        "value": "test Sensor Image"
    },
    {
        "key": "vendor",
        "value": "test, Inc"
    },
    {
        "key": "Base_image_name",
        "value": "art-
hq.intranet.test.com:5006/secure/oraclelinux:7"
    },
    {
        "key": "image-source",
        "value": "SJC-POD01"
    },
    {
        "key": "VersionInfo",
        "value": "Qualys Sensor Version 1.21.0-0"
    },
    {
        "key": "jira-id",
        "value": "BI-122"
    },
    {
        "key": "maintainer",
        "value": "DevOps <devops@test.com>"
    }
],
"privileged": "false",
"macAddress": "0a:d3:ac:cc:47:7b",
"vulnSigVersion": null,
"hostUuid": "8621d2c6-e434-4530-8726-ecbca083eb92",
"configurationProfile": null,
"status": "Provisioned",
"registry": "docker.io",
"sha":

```

```

"7cf7650df563c7d11ce9b4ee9c7250254682eb8ccf796c7943d2dc2498e926
4c",
    "sensorId": "7cf7650df563",
    "name": "test-container-sensor",
    "created": "1669617635000",
    "imageId": "95940c047e5a",
    "imageSha":
"95940c047e5a934f470dfe3ac7e97b2ef33f3a695ac75ba609e3e1f9d7afa7
d1",
    "binaryVersion": null,
    "containerIpv4": null,
    "containerIpv6": null,
    "containerMacAddress": "",
    "sensorType": "GENERAL",
    "containerRuntime": "DOCKER",
    "containerRuntimeVersion": "20.10.12",
    "architecture": "x86_64",
    "associatedSensorProfile": "00000000-0000-0000-0000-
000000000000",
    "associatedSensorProfileName": null
  }
],
"count": 2,
"groups": {}
}

```

## Fetch Details of a Sensor Profile

API affected	/csapi/v1.3/sensorProfile/{sensorProfileId}
Operator	GET
New or Updated APIs	Updated

The following fields are added to the response for getting the sensor configuration:

Parameter		Data Type	Description
weeklyInactiveWindowSchedules	startTime	string	A window of time in which the sensors in your profile do not operate.
	endTime	string	
	repeatOnDays	string	
vulnerabilityManagement	containerScanningInterval	integer	The scanning interval for how often sensors should rescan containers. An interval of 48 hours is recommended for optimum performance.
	imageExclusionRegexList	string	The image exclusion list created using regular expressions. Images matching the exclusion list are not scanned by the sensors in this profile.
	globalScanningFlag	Boolean	Indicates whether to turn on or off all the scan operations.
	scanningPolicy	string	Scanning policy: - DynamicWithStaticScanningAsFallback: Performs dynamic scanning - Dynamic: Performs static scanning as a fallback to dynamic scanning for images without a shell.
performanceManagement	maxNoOfArchivedLogFiles	integer	Specifies the maximum number of log files to achieve. The remaining files are purged.
	maxLogFileSize	integer	Specifies the maximum file size for each log file. After the file size is achieved for a file, a new file is created.
	logSecurityLevel	string	Specifies the type of log data.

## Sample

### API Request:

```
curl -X GET
"<qualys_base_url>/csapi/v1.3/sensorProfile/6963d471-7598-4d4d-
b95c-e540c75745b2?pageNo=0&pageSize=50&sort=created%3Adesc"
-H "accept: application/json"
-H "Authorization: Bearer <token>"
```

### Response:

```
{
  "profileId": "6963d471-7598-4d4d-b95c-e540c75745b2",
  "profileName": "General-test2",
  "profileType": "General",
  "description": "",
  "createdBy": "test_zp53",
  "created": "1669108423070",
  "updatedBy": null,
  "updated": "1669618992177",
  "associatedSensorsCount": 1,
  "associatedRegistriesCount": 0,
  "associatedSensors": [
    "f1edef37-8d72-4f5d-87ed-9d6da981cffe"
  ],
  "associatedRegistries": null,
  "config": {
    "weeklyInactiveWindowSchedules": [
      {
        "startTime": "01:15",
        "endTime": "03:00",
        "repeatOnDays": [
          "SUNDAY"
        ]
      }
    ],
    "vulnerabilityManagement": {
      "containerScanningInterval": 48,
      "imageExclusionRegexList": [],
      "globalScanningFlag": true,
      "scanningPolicy":
"DynamicWithStaticScanningAsFallback"
```

```
    },  
    "performanceManagement": {  
      "maxNoOfArchivedLogFiles": 5,  
      "maxLogFileSize": 10,  
      "logSecurityLevel": "INFORMATION"  
    }  
  }  
}
```

## Fetch a List of Sensors in Your Account

API affected	/csapi/v1.3/sensors
Operator	GET
New or Updated APIs	Updated

The following fields are added to the response for getting the associated sensor profile:

Parameter	Data Type	Description
associatedSensorProfile Name	string	The name of the associated sensor profile.
associatedSensorProfile	string	The UUID of the associated sensor profile.

### Sample

#### API Request:

```
curl -X GET
"<qualys_base_url>/csapi/v1.3/sensors?filter=sensorType%3AGENERAL&pageNumber=1&pageSize=50"
-H "accept: application/json"
-H "Authorization: Bearer <token>"
```

#### Response:

```
{
  "data": [
    {
      "uuid": "13b7a4cd-693c-4fe5-87d5-98fcf3f0b8a5",
      "activationUuid": "39b63fbb-3e3a-4905-829f-aaae794079fc",
      "hostname": "ip-10-82-8-106",
      "customerUuid": "1ab79f42-6cc3-757c-83d9-b0562c8a6dc8",
      "dockerVersion": "20.10.12",
      "ipv4": "10.82.8.106",
      "os": "Ubuntu 21.10",
      "ipv6": "fe80::8d3:acff:fecc:477b",
      "sensorVersion": "1.21.0-0",
      "platform": "LINUX_SENSOR",
      "lastCheckedIn": "1669619781067",
      "label": [
```

```

    {
      "key": "build-date",
      "value": "Tue Nov 22 08:31:36 UTC 2022"
    },
    {
      "key": "name",
      "value": "test Sensor Image"
    },
    {
      "key": "vendor",
      "value": "test, Inc"
    },
    {
      "key": "Base_image_name",
      "value": "art-
hq.intranet.test.com:5006/secure/oraclelinux:7"
    },
    {
      "key": "image-source",
      "value": "SJC-POD01"
    },
    {
      "key": "VersionInfo",
      "value": "Qualys Sensor Version 1.21.0-0"
    },
    {
      "key": "jira-id",
      "value": "BI-122"
    },
    {
      "key": "maintainer",
      "value": "DevOps <devops@test.com>"
    }
  ],
  "privileged": "false",
  "macAddress": "0a:d3:ac:cc:47:7b",
  "vulnSigVersion": null,
  "hostUuid": "8621d2c6-e434-4530-8726-ecbca083eb92",
  "configurationProfile": null,
  "status": "Running",
  "registry": "docker.io",

```



```

    "sha":
"7cf7650df563c7d11ce9b4ee9c7250254682eb8ccf796c7943d2dc2498e926
4c",
    "sensorId": "7cf7650df563",
    "name": "test-container-sensor",
    "created": "1669617635000",
    "imageId": "95940c047e5a",
    "imageSha":
"95940c047e5a934f470dfe3ac7e97b2ef33f3a695ac75ba609e3e1f9d7afa7
d1",
    "binaryVersion": null,
    "containerIpv4": null,
    "containerIpv6": null,
    "containerMacAddress": "",
    "sensorType": "GENERAL",
    "containerRuntime": "DOCKER",
    "containerRuntimeVersion": "20.10.12",
    "architecture": "x86_64",
    "associatedSensorProfile": "00000000-0000-0000-0000-
000000000000",
    "associatedSensorProfileName": "Default"
  },
  {
    "uuid": "f1edef37-8d72-4f5d-87ed-9d6da981cffe",
    "activationUuid": "39b63fbb-3e3a-4905-829f-
aaae794079fc",
    "hostname": "test-virtual-machine",
    "customerUuid": "1ab79f42-6cc3-757c-83d9-
b0562c8a6dc8",
    "dockerVersion": "20.10.18",
    "ipv4": "10.115.145.155",
    "os": "Ubuntu 18.04.6 LTS",
    "ipv6": "fe80::78a0:a7a0:2424:609b",
    "sensorVersion": "1.21.0-0",
    "platform": "LINUX_SENSOR",
    "lastCheckedIn": "1669619814324",
    "label": [
      {
        "key": "build-date",
        "value": "Tue Nov 22 08:31:36 UTC 2022"
      },
    ],
  }

```

```

        "key": "name",
        "value": "test Sensor Image"
    },
    {
        "key": "vendor",
        "value": "test, Inc"
    },
    {
        "key": "Base_image_name",
        "value": "art-
hq.intranet.test.com:5006/secure/oraclelinux:7"
    },
    {
        "key": "image-source",
        "value": "SJC-POD01"
    },
    {
        "key": "VersionInfo",
        "value": "Qualys Sensor Version 1.21.0-0"
    },
    {
        "key": "jira-id",
        "value": "BI-122"
    },
    {
        "key": "maintainer",
        "value": "DevOps <devops@test.com>"
    }
],
"privileged": "false",
"macAddress": "00:50:56:aa:1f:17",
"vulnSigVersion": null,
"hostUuid": "630050dd-0110-0002-8170-0050568cd03b",
"configurationProfile": null,
"status": "Running",
"registry": "docker.io",
"sha":
"4ad04dc3cab81d70fd7205cfb223d50ccc9b4e61d39514930ce2cce1fcf645
4a",
"sensorId": "4ad04dc3cab8",
"name": "test-container-sensor",
"created": "1669285071000",

```

```

        "imageId": "95940c047e5a",
        "imageSha":
"95940c047e5a934f470dfe3ac7e97b2ef33f3a695ac75ba609e3e1f9d7afa7
d1",
        "binaryVersion": null,
        "containerIpv4": null,
        "containerIpv6": null,
        "containerMacAddress": "",
        "sensorType": "GENERAL",
        "containerRuntime": "DOCKER",
        "containerRuntimeVersion": "20.10.18",
        "architecture": "x86_64",
        "associatedSensorProfile": "6963d471-7598-4d4d-b95c-
e540c75745b2",
        "associatedSensorProfileName": "General-test2"
    },
    {
        "uuid": "88db9156-6c9e-45cc-8fce-11b889bb76b4",
        "activationUuid": "39b63fbb-3e3a-4905-829f-
aaae794079fc",
        "hostname": "ip-10-82-10-7",
        "customerUuid": "1ab79f42-6cc3-757c-83d9-
b0562c8a6dc8",
        "dockerVersion": "20.10.12",
        "ipv4": "10.82.10.7",
        "os": "Ubuntu 21.10",
        "ipv6": "fe80::8ea:87ff:fe3f:d8c7",
        "sensorVersion": "1.21.0-0",
        "platform": "LINUX_SENSOR",
        "lastCheckedIn": "1669614979341",
        "label": null,
        "privileged": null,
        "macAddress": "0a:ea:87:3f:d8:c7",
        "vulnSigVersion": null,
        "hostUuid": "fcd2ce3e-dfed-43ca-a5c1-b680065103cb",
        "configurationProfile": null,
        "status": "Unknown",
        "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": "DOCKER",  
    "containerRuntimeVersion": "20.10.12",  
    "architecture": "x86_64",  
    "associatedSensorProfile": "00000000-0000-0000-0000-  
000000000000",  
    "associatedSensorProfileName": "Default"  
  }  
],  
  "count": 3  
}
```

## Fetch Sensor Details

API affected	/csapi/v1.3/sensors/{sensorId}
Operator	GET
New or Updated APIs	Updated

The following fields are added to the response for the associated sensor profile:

Parameter	Data Type	Description
associatedSensorProfile Name	string	The name of the associated sensor profile.
associatedSensorProfile	string	The UUID of the associated sensor profile.

## Sample

### API Request:

```
curl -X GET
"<qualys_base_url>/csapi/v1.3/sensors/4ad04dc3cab8"
-H "accept: application/json"
-H "Authorization: Bearer"
```

### Response:

```
{
  "uuid": "f1edef37-8d72-4f5d-87ed-9d6da981cffe",
  "activationUuid": "39b63fbb-3e3a-4905-829f-aaaae794079fc",
  "hostname": "test-virtual-machine",
  "customerUuid": "1ab79f42-6cc3-757c-83d9-b0562c8a6dc8",
  "dockerVersion": "20.10.18",
  "ipv4": "10.115.145.155",
  "os": "Ubuntu 18.04.6 LTS",
  "ipv6": "fe80::78a0:a7a0:2424:609b",
  "sensorVersion": "1.21.0-0",
  "platform": "LINUX_SENSOR",
  "lastCheckedIn": "1669619942039",
  "label": [
    {
      "key": "build-date",
      "value": "Tue Nov 22 08:31:36 UTC 2022"
    },
    {
      "key": "name",
```

```

        "value": "test Sensor Image"
    },
    {
        "key": "vendor",
        "value": "test, Inc"
    },
    {
        "key": "Base_image_name",
        "value": "art-
hq.intranet.test.com:5006/secure/oraclelinux:7"
    },
    {
        "key": "image-source",
        "value": "SJC-POD01"
    },
    {
        "key": "VersionInfo",
        "value": "Qualys Sensor Version 1.21.0-0"
    },
    {
        "key": "jira-id",
        "value": "BI-122"
    },
    {
        "key": "maintainer",
        "value": "DevOps <devops@test.com>"
    }
],
"privileged": "false",
"macAddress": "00:50:56:aa:1f:17",
"vulnSigVersion": null,
"hostUuid": "630050dd-0110-0002-8170-0050568cd03b",
"configurationProfile": null,
"status": "Running",
"registry": "docker.io",
"sha":
"4ad04dc3cab81d70fd7205cfb223d50ccc9b4e61d39514930ce2cce1fcf645
4a",
    "sensorId": "4ad04dc3cab8",
    "name": "test-container-sensor",
    "created": "1669285071000",
    "imageId": "95940c047e5a",

```

```
    "imageSha":  
    "95940c047e5a934f470dfe3ac7e97b2ef33f3a695ac75ba609e3e1f9d7afa7  
d1",  
    "binaryVersion": null,  
    "containerIpv4": null,  
    "containerIpv6": null,  
    "containerMacAddress": "",  
    "sensorType": "GENERAL",  
    "containerRuntime": "DOCKER",  
    "containerRuntimeVersion": "20.10.18",  
    "architecture": "x86_64",  
    "associatedSensorProfile": "6963d471-7598-4d4d-b95c-  
e540c75745b2",  
    "associatedSensorProfileName": "General-test2",  
    "cluster": null  
}
```

## Attach a Sensor Profile to a Sensor

API affected	/csapi/v1.3/sensors/{sensorId}/profile/{profileId}/attach
Operator	PUT
New or Updated APIs	New

Use this API to attach a sensor profile to a sensor of the corresponding type.

### Input Parameters

Use the following parameters to update the existing deployment job.

Parameter	Mandatory?	Data Type	Description
sensorId	Yes	string	Specify the ID of a sensor to which the sensor profile is to be attached.
profileId	Yes	string	Specify the ID of the sensor profile.

### Sample

#### API Request:

```
curl -X PUT
"<qualys_base_url>/csapi/v1.3/sensors/f1edef37-8d72-4f5d-87ed-
9d6da981cffe/profile/6963d471-7598-4d4d-b95c-
e540c75745b2/attach"
-H "accept: application/json"
-H "Authorization: Bearer <token>"
```

#### Response:

```
200 OK
```



## Detach a Sensor Profile from a Sensor

API affected	/csapi /v1.3/sensors/{sensorId}/profile/detach
Operator	PUT
New or Updated APIs	New

With this release, we have added a new API to detach a sensor profile from a sensor.

### Input Parameters

Use the following parameters to update the existing deployment job.

Parameter	Mandatory?	Data Type	Description
sensorId	Yes	string	Specify the ID of a sensor from which the sensor profile will be detached.

### Sample

#### API Request:

```
curl -X PUT
"<qualys_base_url>/csapi/v1.3/sensors/f1edef37-8d72-4f5d-87ed-
9d6da981cffe/profile/detach"
-H "accept: application/json"
-H "Authorization: Bearer <token>"
```

#### Response:

```
200 OK
```

## Scan All Images (Force Rescan) Feature in Automatic Registry Scan Schedules

The 'Scan all images' feature is now available for the 'Automatic' registry scans. You can use this feature to scan all images in a registry every time a registry scan is launched.

Notes:

- As of now, the Scan all images (Force rescan) feature for automatic scans is available only for Google Artifact Registry, Google Cloud Registry, Azure Container Registry, and all private registries.
- You need sensor version 1.21.0 or later to use this feature.
- The public registry must be accessible from the host where the sensor is deployed.

The following APIs are affected:

API Name	API Path	New or Updated
<a href="#">Create a Registry Schedule</a>	PUT /csapi/v1.3/registry/{registryId}/schedule	Updated
<a href="#">Update a Registry Schedule</a>	POST /csapi/v1.3/registry/{registryId}/schedule/{scheduleId}	Updated
<a href="#">Fetch a List of Schedules Created for a Registry</a>	GET /csapi/v1.3/registry/{registryId}/schedule	Updated

## Create or Update a Registry Schedule

API affected	PUT /csapi/v1.3/registry/{registryId}/schedule/{scheduleId} POST /csapi/v1.3/registry/{registryId}/schedule
Operator	PUT, POST
New or Updated APIs	Updated

The following fields are added to the request body for specifying the Scan all images (Force rescan) parameters:

Parameter	Data Type	Description	
forceScan	Boolean	Specify "true" to scan all images every time the registry scan is launched.	
additionalFilters	numberOfTags	integer	Specify the maximum number of image tags to be scanned. You can enter up to 20. All the images with these tags are taken into account for scanning.
	sortCriteria	string	Specify a criteria for sorting the tags. Currently, only "createdDate" is supported as a sorting criteria.

### Sample 1 - Maximum Images to Scan Fetched using a Created Date

#### API Request:

```
curl -X POST
"<qualys_base_url>/csapi/v1.3/registry/fd05c5d5-7583-4e47-b538-
c8b414bd9c86/schedule"
-H "accept: application/json"
-H "Authorization: Bearer <token>"
-H "Content-Type: application/json"
```

#### Request Body:

```
{
  "filters": [
    {
      "days": 90,
      "repoTags": [
        {
          "repo": "azuretest",
```

```

        "tag": null
      }
    ]
  }
},
"name": "Automatic Scan Schedule",
"onDemand": false,
"schedule": "06:55",
"forceScan": true,
"registryType": "Azure",
"scheduleIntervalInDays": 7,
"additionalFilters": null
}

```

Response:

```

{
  "scheduleUuid": "889ea97d-5b9c-4e34-9783-a40eae8d8feb"
}

```

**Sample 2 - Maximum Images to Scan Fetched using Image Tags**API Request:

```

curl -X POST
"<qualys_base_url>/csapi/v1.3/registry/fd05c5d5-7583-4e47-b538-
c8b414bd9c86/schedule"
-H "accept: application/json"
-H "Authorization: Bearer <token>"
-H "Content-Type: application/json"

```

Request Body:

```

{
  "filters": [
    {
      "days": null,
      "repoTags": [
        {
          "repo": "azuretest",
          "tag": null
        }
      ]
    }
  ],
}

```

```
"name": "Automatic Scan Schedule",
"onDemand": false,
"schedule": "09:30",
"forceScan": true,
"registryType": "Azure",
"scheduleIntervalInDays": 1,
"additionalFilters": {
  "numberOfTags": 5,
  "sortCriteria": "createdDate"
}
}
```

Response:

```
{
  "scheduleUuid": "094ef321-e601-4fb3-b378-7a62f13249de"
}
```

## Fetch a List of Schedules Created for a Registry

API affected	/csapi/v1.3/registry/{registryId}/schedule
Operator	GET
New or Updated APIs	Updated

The following fields are added to the response for getting the Scan all images (Force rescan) parameters:

Parameter	Data Type	Description	
forceScan	Boolean	Indicates whether to scan all images or not whenever a registry scan is launched.	
additionalFilters	numberOfTags	integer	Specifies the maximum number of image tags to be scanned. The value can be up to 20. All the images with these tags are taken into account for scanning.
	sortCriteria	string	The criteria for sorting tags. Currently, only "createdDate" is supported as a sorting criteria.

### Sample

#### API Request:

```
curl -X GET
"<qualys_base_url>/csapi/v1.3/registry/fd05c5d5-7583-4e47-b538-
c8b414bd9c86/schedule?pageNumber=1&pageSize=50"
-H "accept: application/json"
-H "Authorization: Bearer <token>"
```

#### Response:

```
{
  "data": [
    {
      "scheduleUuid": "e046a540-8f3e-4a06-86e2-
b914d97e9818",
      "onDemand": false,
      "created": "1669194411031",
```

```

    "updated": "1669285168871",
    "jobStartDate": "1669285168871",
    "jobCompletionDate": "1669286348672",
    "name": null,
    "errors": null,
    "schedule": "09:10",
    "filters": [
      {
        "repoTags": [
          {
            "repo": "azuretest",
            "tag": null
          }
        ],
        "days": null
      }
    ],
    "additionalFilters": {
      "numberOfTags": 5,
      "sortCriteria": "createdDate"
    },
    "status": "Finished",
    "jobListingStartDate": "1669285168871",
    "jobListingCompletionDate": null,
    "jobScanningStartDate": "1669285180704",
    "jobScanningCompletionDate": "1669286348672",
    "forceScan": true,
    "scheduleIntervalInDays": 1
  },
  {
    "scheduleUuid": "8ad79eba-9dee-464e-b924-
0351c2de6bc7",
    "onDemand": false,
    "created": "1669186512880",
    "updated": "1669186512880",
    "jobStartDate": null,
    "jobCompletionDate": null,
    "name": null,
    "errors": null,
    "schedule": "06:55",
    "filters": [

```

```

        {
            "repoTags": [
                {
                    "repo": "azuretest",
                    "tag": null
                }
            ],
            "days": 90
        }
    ],
    "additionalFilters": null,
    "status": "Created",
    "jobListingStartDate": null,
    "jobListingCompletionDate": null,
    "jobScanningStartDate": null,
    "jobScanningCompletionDate": null,
    "forceScan": true,
    "scheduleIntervalInDays": 7
},
{
    "scheduleUuid": "97c60049-e7ed-4d59-b138-
286518769884",
    "onDemand": false,
    "created": "1669193489282",
    "updated": "1669285168975",
    "jobStartDate": "1669285168975",
    "jobCompletionDate": "1669286916116",
    "name": null,
    "errors": [
        {
            "errorCode": "CMS-1204",
            "errorMessage": "Cannot Connect to registry.
Verify connection from sensor container3.",
            "contextParams": {
                "imageId": null,
                "sensorHostIpv4": "10.115.67.170",
                "repo": null,
                "tag": null,
                "repoDigest": null,
                "sensorHostname": "container3",
                "sensorId": "0fdd4404-62a2-445a-9b3b-
a90ac27a4d17"
            }
        }
    ]
}

```



```

        }
    },
    ],
    "schedule": "09:00",
    "filters": [
        {
            "repoTags": [
                {
                    "repo": "azuretest",
                    "tag": null
                }
            ],
            "days": null
        }
    ],
    "additionalFilters": {
        "numberOfTags": 5,
        "sortCriteria": "createdDate"
    },
    "status": "Finished",
    "jobListingStartDate": "1669285168975",
    "jobListingCompletionDate": null,
    "jobScanningStartDate": "1669285181172",
    "jobScanningCompletionDate": "1669286916116",
    "forceScan": true,
    "scheduleIntervalInDays": 1
},
{
    "scheduleUuid": "b6bb9e7b-72b7-4922-a09b-
abcb5b3e7616",
    "onDemand": false,
    "created": "1669195572798",
    "updated": "1669285169055",
    "jobStartDate": "1669285169055",
    "jobCompletionDate": "1669287475553",
    "name": null,
    "errors": null,
    "schedule": "09:30",
    "filters": [
        {
            "repoTags": [

```

```
        {
            "repo": "azuretest",
            "tag": null
        }
    ],
    "days": null
}
],
"additionalFilters": {
    "numberOfTags": 5,
    "sortCriteria": "createdDate"
},
"status": "Finished",
"jobListingStartDate": "1669285169055",
"jobListingCompletionDate": null,
"jobScanningStartDate": "1669285302988",
"jobScanningCompletionDate": "1669287475553",
"forceScan": true,
"scheduleIntervalInDays": 1
}
],
"count": 4
}
```

## Issues Addressed

The following issue has been fixed with this release:

The 'Create a Report Request (POST/csapi/v1.3/reports)' API created a reportUuId in the incorrect format:

```
{reportUuId=28cf6d70-5a8b-11ed-85f3-ed45c5bc7e40}
```

The response now shows "reportUuId" in the correct JSON format:

```
{  
  "reportUuId": "037570f0-0193-11ea-9327-8fbbd2104c9c"  
}
```