



Qualys Patch Management v2.2.0

API Release Notes

Version 2.2.0

March 21, 2023

Qualys Cloud Suite API gives you many ways to integrate your programs and API calls with Qualys capabilities. You can 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

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Qualys API Server 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 gateway URL for Qualys US Platform 2 (<https://gateway.qg2.apps.qualys.com>) in sample API requests. If you're on another platform, please replace this URL with the appropriate gateway URL for your account.

Introduced a New API - Get Mapping assetUuids with assetIds

| | |
|---------------------|---------------------|
| API affected | /pm/v1/assets/uuids |
| New or Updated APIs | New |
| Operator | POST |
| DTD or XSD changes | No |

With this release, we have introduced a new API. Using this API, you can get mapping of assetUuids with assetIds.

Request Body Parameter

Use the following parameter to get mapping of assetUuids with assetIds.

| Field Name | Mandatory/Optional | Data type | Description |
|------------|--------------------|-----------|---|
| assetIds | Mandatory | Integer | Provide a list of assetIds for which assetUuids are required. For example: 27994959,29997962 |

Sample - Get mapping of assetUuids with assetIds.

API Request:

```
curl -X 'POST'
'https://<QualysBaseURL>/pm/v1/assets/uuids' \
-H 'accept: application/json' \
-H 'Authorization: Bearer <<jwt token>>' \
-H 'Content-Type: application/json' \
-d '<comma separated list of asset ids>'
```

Response:

```
{
  "mappedAssets": [
    {
      "assetId": 27994959,
      "assetUuid": "ecf76a16-1bb6-4adf-8e25-b8dab426a724"
    },
    {
      "assetId": 29997962,
      "assetUuid": "f7df266c-df01-4669-9cfb-2a2cc6c375b1"
    }
  ],
  "unmappedAssets": "[29995962]"
}
```

Introduced Parameter scanDateTime in Get Deployment Job Result Summary API

| | |
|---------------------|--|
| API affected | /pm/v1/deploymentjob/{deploymentJobId}/deploymentjobresult/summary |
| New or Updated APIs | Updated |
| Operator | GET |
| DTD or XSD changes | No |

With this release, we have introduced a new parameter scan date time in the response of Get Deployment Job Result Summary API. With this new parameter, you can view the last scan date time in Epoch format.

Sample - Get the deployment job summary for the Job ID in the request.

API Request:

```
curl -X 'GET'  
"https://<QualysBaseURL>/pm/v1/deploymentjob/b6fd7a02-1b08-40d0-8504-2bb6bcc36ff8/deploymentjobresult/summary?jobInstanceId=21"  
-H "accept: application/json"  
-H "Authorization: Bearer <<jwt token>>"
```

Response:

```
{  
  "id": "b6fd7a02-1b08-40d0-8504-2bb6bcc36ff8",  
  "name": "Job History 1",  
  "assetCount": 1,  
  "patchCount": 3,  
  "createdBy": "User John",  
  "createdOn": 1656048779381,  
  "assets": [  
    {  
      "asset": {  
        "id": "71f0a327-20b0-4e1f-a080-c2e469a5a4bd",  
        "name": "Windows-Mock-33",  
        "operatingSystem": "Windows Microsoft Windows 10 Pro  
10.0.10586 Build 10586",  
        "tags": [  
          {  
            "id": "781270dc-02ba-45c3-9336-78edf4802c1d",  
            "name": null  
          },  
          {  
            "id": "59e00be0-1feb-46d5-80d9-980d80d4f032",  
            "name": null  
          }  
        ]  
      }  
    }  
  ]  
}
```

```
      .
      .
      .
    ],
    "lastLoggedOnUser": null,
    "successPatches": 0,
    "installedPatches": 0,
    "failedPatches": 0,
    "supersededPatches": 0,
    "notApplicablePatches": 0,
    "executing": null,
    "pendingExecution": null,
    "pendingReboot": null,
    "pendingVerification": null,
    "jobInstanceId": 21,
    "interfaces": [],
    "skipPatchCount": null,
    "additionalFields": null
  },
  "endDateTime": 0,
  "startDateTime": 0,
  "statusDateTime": 1657778400267,
  "status": "Not Licensed",
  "statusCode": "20392",
  "jobSentOn": 0,
  "installed": null,
  "failed": null,
  "success": null,
  "superseded": null,
  "notApplicable": null,
  "agentCheckedInTime": 1612414981000,
  "failedActionsCount": null,
  "successfulActionsCount": null,
  "interimResultStatus": null,
  "jobInstanceId": 21,
  "totalPatchCount": 0,
  "scanDateTime": 1679074153079
}
]
}
```

Introduced a New Column to View Scan Time in Deployment Job Progress Report

We have introduced a new column ASSET PM SCAN TIME in the Job Progress report. Now, you can view the scan time of the deployment job when you download the report using Get Deployment Job Progress Report API.

| Job Progress Report | | | | | | | | | | | | |
|--|----------|-----------|-----------|-----------|----------------------------|---|--------------|--------------|------------------|-------------|---------------|-------------|
| Job Progress Report for Job ID: 4a6318a6-6910-4c77-aea0-82c9a0624ded AND jobInstanceId:9 | | | | | | | | | | | | |
| Job Progress Report for Job ID: 4a6318a6 Job Name: weekly job Scheduled Tue, Mar 14, 21:00:00 PM 2023 - Agent Timezone | | | | | | | | | | | | |
| Deployment Action Result | | | | | | | | | | | | |
| rowid | ASSET ID | ASSET STA | ASSET NAI | ASSET LAS | ASSET PM SCAN TIME | OPERATING SYSTEM | ACTION ID | ACTION TITLE | ACTION PARAMETER | RETURN CODE | ERROR MESSAGE | |
| 1 | 94c0bc01 | Complete | WIN7-33 | 2023-3-16 | 2023-3-17 05:29:13 PM UTC | Microsoft Windows 7 Professional | 6.1.7601 | 64-bit | Service Pack 1 | Build 7601 | | |
| 2 | ac66e55a | Complete | win12-tst | 2023-3-15 | 2023-3-17 07:36:41 AM UTC | Microsoft Windows Server 2012 R2 Standard | 6.3.9600 | 64-bit | N/A | Build 9600 | | |
| 3 | 1f3c4162 | Pending | UTC | 2021-12-0 | 2022-11-30 01:23:43 PM UTC | Microsoft Windows Server 2012 R2 Standard | 6.3.9600 | 64-bit | N/A | Build 9600 | | |
| 4 | df31ab2e | Pending | WIN2012R | 2021-12-2 | 2021-12-21 11:08:58 AM UTC | Microsoft Windows Server 2012 R2 Standard | 6.3.9600 | 64-bit | N/A | Build 9600 | | |
| 5 | 9061817a | Pending | Rest-Assu | 2021-12-0 | 2022-11-08 07:06:52 PM UTC | Microsoft Windows Server 2012 R2 Standard | 6.3.9600 | 64-bit | N/A | Build 9600 | | |
| 6 | 79ba7f2e | Pending | WIN-6Q6 | 2023-2-24 | 2023-3-05 08:08:48 PM UTC | Microsoft Windows Server 2012 R2 Standard | 6.3.9600 | 64-bit | N/A | Build 9600 | | |
| 7 | f463be4f | Pending | win7-rkst | 2021-9-29 | 2021-9-29 02:05:03 PM UTC | Microsoft Windows 7 Professional | 6.1.7601 | 64-bit | Service Pack 1 | Build 7601 | | |
| Patching Result | | | | | | | | | | | | |
| rowid | ASSET ID | ASSET STA | ASSET NAI | ASSET LAS | ASSET PM SCAN TIME | OPERATING SYSTEM | PATCH STATUS | PATCH ID | PATCH TITLE | CATEGORY | SEVERITY | BULLETIN KB |
| 1 | 94c0bc01 | Complete | WIN7-33 | 2023-3-16 | 2023-3-17 05:29:13 PM UTC | Microsoft Windows 7 Professional | 6.1.7601 | 64-bit | Service Pack 1 | Build 7601 | | |
| 2 | ac66e55a | Complete | win12-tst | 2023-3-15 | 2023-3-17 07:36:41 AM UTC | Microsoft Windows Server 2012 R2 Standard | 6.3.9600 | 64-bit | N/A | Build 9600 | | |
| 3 | 1f3c4162 | Pending | UTC | 2021-12-0 | 2022-11-30 01:23:43 PM UTC | Microsoft Windows Server 2012 R2 Standard | 6.3.9600 | 64-bit | N/A | Build 9600 | | |
| 4 | df31ab2e | Pending | WIN2012R | 2021-12-2 | 2021-12-21 11:08:58 AM UTC | Microsoft Windows Server 2012 R2 Standard | 6.3.9600 | 64-bit | N/A | Build 9600 | | |

Improved Deployment Job Result Status in Responses of APIs

For better clarity, we have improved deployment job result status from "Completed" to "Assets Responded". Now, you can see status of the deployment job result as "Assets Responded" in the responses of the following APIs.

- [Get Deployment by Job ID](#)
- [Get Deployment Job List](#)
- [Get Deployment Job Result Summary](#)
- [Get a List of Deployment Jobs that can be Used to Fetch Patches From](#)

Get Deployment by Job ID

| | |
|---------------------|--|
| API affected | /pm/v1/deploymentjob/{deploymentJobId} |
| New or Updated APIs | Updated |
| Operator | GET |
| DTD or XSD changes | No |

Use this API to get details of the deployment job based on the provided deployment job ID. With the new parameter, you can view the status of the deployment job as "Assets Responded".

API Request:

```
curl -X 'GET'  
'https://<QualysBaseURL>/pm/v1/deploymentjob/8ae6cd23-bb09-423b-aad8-f8910855e755' \  
-H 'accept: application/json' \  
-H 'Authorization: Bearer <<jwt token>>' \  

```

Response:

```
{  
  "customerId": "2ad81b6a-54d9-565c-82b4-133030a7b0e3",  
  "id": "8ae6cd23-bb09-423b-aad8-f8910855e755",  
  "schemaVersion": "1.0",  
  "name": "test aggregate report",  
  "type": "Install",  
  "status": "Assets Responded",  
  "assetIds": [  
    "fd64d050-a794-46c0-b714-4aecb286ff9d"  
  ],  
  "assetTagIds": null,  
  "matchAllTagIds": null,  
}
```

```
"exclusionTagIds": null,
"exclusionAssetIds": null,
"coAuthorUserIds": [
  "2047175c-7d16-e1a3-8230-4009ac539b5d"
],
"approvedPatches": [
  "42758508-e479-3f72-81c7-2b95157f17c0",
  "af5f5880-6067-3665-ac4a-67c7cb58b967"
],
"disabledPatches": null,
"patchCount": 2,
"scheduleType": "On-demand",
"startDateTime": "2023-3-10 11:13:28 AM",
"recurring": false,
"recurringWeekDays": "",
"dayOfMonth": null,
"recurringDayOfMonth": null,
"recurringWeekDayOfMonth": null,
"timezoneType": "SPECIFIC_TZ",
"timezone": "UTC",
"timeout": -1,
"timeoutUnit": "HOURS",
"preDeployment": {
  "userMessage": "",
  "description": "",
  "deferment": {
    "count": 3,
    "interval": 1,
    "intervalUnit": "HOURS"
  }
},
"duringDeployment": {
  "userMessage": "",
  "description": ""
},
"postDeployment": {
  "suppressReboots": false,
  "rebootOption": {
    "userMessage": "",
    "description": "",
    "deferment": {
      "count": 3,
      "interval": 1,
      "intervalUnit": "HOURS"
    }
  }
},
"rebootCountdown": {
  "interval": 15,
  "intervalUnit": "MINUTES",
```

```
    "userMessage": "Reboot countdown started",  
    "description": "The system reboot is initiated. It will reboot  
automatically after the timer countdown."  
  },  
  "onComplete": {  
    "userMessage": "",  
    "description": ""  
  }  
  .  
  .  
  .  
  "jobSource": 2,  
  "readOnly": false,  
  "notification": null,  
  "linkedJobId": null,  
  "linkedToJob": null,  
  "linkedJobs": null,  
  "jobStartCountdown": null,  
  "passwordAction": null  
}
```

Get Deployment Job List

| | |
|---------------------|-----------------------|
| API affected | /pm/v1/deploymentjobs |
| New or Updated APIs | Updated |
| Operator | GET |
| DTD or XSD changes | No |

Use this API to get a detailed list of deployment jobs in your scope. With the new parameter, you can view the status of the deployment job as "Assets Responded" in the response of API.

Sample - Get a detailed list of deployment jobs on Windows platform.

API Request:

```
curl -X 'GET'  
'https://<QualysBaseURL>/pm/v1/deploymentjobs?filter=status%3A%20%27Asset  
s%20Responded%27&platform=Windows' \  
-H 'accept: application/json' \  
-H 'Authorization: Bearer <<jwt token>>' \  

```


Response:

```
[
  {
    "coAuthorUserIds": null,
    "timezone": null,
    "exclusionFilterType": "Any",
    "dynamicQQLType": 1,
    "matchAllTags": null,
    "type": "Install",
    "nextScheduleDateTime": null,
    "platform": "Windows",
    "assets": [
      {
        "name": null,
        "id": "9061817a-ed2b-4d53-aff9-b8b01b70f779"
      }
    ],
    "recurringWeekDays": "",
    "customerId": "bc023fd7-4290-f28f-8181-95a46f519f52",
    "exclusionTags": null,
    "isDynamicPatchesQQL": false,
    "taggedAssetCount": 0,
    "patchCount": 0,
    "id": "57d630df-9877-4adb-8785-12ee96dfe8a6",
    "assetCount": null,
    "applicableAssetCount": 1,
    "patchTuesdayPlusXDays": null,
    "schemaVersion": "1.0",
    "recurringLastDayOfMonth": false,
    "linkedJobReferenceCount": null,
    "created": {
      "date": 1663838737278,
      "user": {
        "name": "User John",
        "id": "c4c71f94-4ef6-7e6f-8260-11704fa58172"
      }
    },
    "triggerStatus": 0,
    "patches": null,
    "recurringDayOfMonth": null,
    "recurringWeekDayOfMonth": null,
    "jobSource": 2,
    "isRecurring": true,
    "lastScheduleDateTime": null,
    "readOnly": false,
    "tags": null,
    "exclusionAssetIds": null,
    "dynamicPatchesQQL": ""
  }
]
```

```
"startDateTime": "2022-5-03 02:54:49 PM",  
"timezoneType": "AGENT_TZ",  
"deleted": false,  
"scheduleType": "Daily",  
"monthlyRecurringType": 0,  
"dayOfMonth": null,  
"name": "monthly job for public api",  
"disabledPatches": null,  
"filterType": "Any",  
"category": 3,  
"updated": {  
  "date": 1664450327271,  
  "user": {  
    "name": "User John",  
    "id": "c4c71f94-4ef6-7e6f-8260-11704fa58172"  
  }  
},  
"status": "Assets Responded",  
"linkedJobId": null  
}}
```

Get Deployment Job Result Summary

| | |
|---------------------|--|
| API affected | /pm/v1/deploymentjob/{deploymentJobId}/deploymentjobresult/summary |
| New or Updated APIs | Updated |
| Operator | GET |
| DTD or XSD changes | No |

Use this API to get a summary of deployment jobs. With the new parameter, you can view the status of the deployment job as "Assets Responded".

Sample - Get the job result summary on Linux platform.

API Request:

```
curl -X 'GET'  
'https://<QualysBaseURL>/pm/v1/deploymentjobs/summary?filter=status%3A%20%27Assets%20Responded%27&platform=Linux' \  
-H 'accept: application/json' \  
-H 'Authorization: Bearer <<jwt token>>' \  

```

Response:

```
{
  {
    "coAuthorUserIds": [
      "2047175c-7d16-e1a3-8230-4009ac539b5d"
    ],
    "dynamicQQLType": 1,
    "matchAllTags": [],
    "type": "Install",
    "recurringWeekDays": "",
    "totalAssetCount": "1",
    "isDynamicPatchesQQL": false,
    "id": "0a42c22e-1f5e-4a57-a6e2-9d25bfcc67ef",
    "assetCount": null,
    "linkedJobReferenceCount": 0,
    "created": {
      "date": 1678723116985,
      "user": {
        "name": "User John",
        "id": "2047175c-7d16-e1a3-8230-4009ac539b5d"
      }
    },
  },
  "triggerStatus": 1,
  "recurringDayOfMonth": null,
  "jobSource": 2,
  "readOnly": false,
  "tags": [],
  "exclusionAssetIds": [],
  "scheduleType": "On-demand",
  "dayOfMonth": null,
  "name": "test max count2",
  "disabledPatches": null,
  "filterType": "Any",
  "updated": null,
  "status": "Assets Responded",
  "timezone": "UTC",
  "exclusionFilterType": "Any",
  "nextScheduleDateTime": null,
  "platform": "Linux",
  "customerId": "2ad81b6a-54d9-565c-82b4-133030a7b0e3",
  "exclusionTags": [],
  "taggedAssetCount": 0,
  "patchCount": 2,
  "applicableAssetCount": "1",
  "patchTuesdayPlusXDays": null,
  "schemaVersion": "1.0",
  "recurringLastDayOfMonth": false,
  "recurringWeekDayOfMonth": null,
```

```
"isRecurring": false,  
"lastScheduleDateTime": null,  
"dynamicPatchesSQL": "",  
"startDateTime": "2023-3-13 03:58:37 PM",  
"timezoneType": "SPECIFIC_TZ",  
"deleted": false,  
"monthlyRecurringType": 0,  
"completionPercent": "100",  
"category": 3,  
"linkedJobId": null,  
"assetResultReceivedCount": "1"  
}
```

Get a List of Deployment Jobs that can be Used to Fetch Patches From

| | |
|---------------------|---------------------------------------|
| API affected | /pm/v1/deploymentjobs/availableToLink |
| New or Updated APIs | Updated |
| Operator | GET |
| DTD or XSD changes | No |

Use this API to get a list of deployment jobs that can be used as a source of patches. With the new parameter, you can view the status of the deployment job as "Assets Responded".

API Request:

```
curl -X 'GET'  
'https://<QualysBaseURL>/pm/v1/deploymentjobs/availableToLink?filter=status%3A%20%27Assets%20Responded%27&platform=Windows' \  
-H 'accept: application/json' \  
-H 'Authorization: Bearer <<jwt token>>' \  

```

Response:

```
{  
  {  
    "customerId": "2ad81b6a-54d9-565c-82b4-133030a7b0e3",  
    "id": "8ae6cd23-bb09-423b-aad8-f8910855e755",  
    "name": "test aggregate report",  
    "type": "Install",  
    "status": "Assets Responded",  
    "createdBy": {  
      "user": {  
        "id": "2047175c-7d16-e1a3-8230-4009ac539b5d",  
        "name": "User John"  
      }  
    },  
    "date": 1678446767717  
  },  
  "linkedJobReferenceCount": null,  
  "schedule": "On-Demand",  
  "previousRun": null,  
  "nextRun": null  
},  
{  
  "customerId": "2ad81b6a-54d9-565c-82b4-133030a7b0e3",  
  "id": "ac4099aa-da3b-4b32-8d81-0643b714f0fc",  
  "name": "PM_100",  
  "type": "Install",  
  "status": "Assets Responded",  
  "createdBy": {  
    "user": {  

```

```
        "id": "2047175c-7d16-e1a3-8230-4009ac539b5d",  
        "name": "User John"  
    },  
    "date": 1666337748141  
},  
"linkedJobReferenceCount": null,  
"schedule": "On-Demand",  
"previousRun": null,  
"nextRun": null  
}
```