

# Qualys Patch Management v2.3

# **API Release Notes**

Version 2.3

May 05, 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

Get Deployment Job Result Summary API - Field Removal

Get Deployment Job Progress Report - Column Enhancements

Job Progress Report Support for Linux Platform

- Get List of Generated Reports
- Get Deployment Job Progress Report
- Download Report in .CSV Format

Get Deployment Job Result Summary API - Fields Addition

#### **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

In some of the API Release Notes, the API gateway URL for Qualys US Platform 1 (https://gateway.qg1.apps.qualys.com) is used in sample API requests.

For this API Release Notes, instead of providing any platform-specific URL, <qualys\_base\_url> is mentioned in the sample API requests.

If you are on another platform, replace this URL with the appropriate gateway URL for your account.

## Get Deployment Job Result Summary API - Field Removal

API affected	pm/v1/deploymentjob/{deploymentJobId}/deplo ymentjobresult/summary		
Status	Updated		
Operator	GET		
DTD or XSD changes	Not Applicable		

With this release, we have removed the 'agentCheckedInTime' field from the response of the Get Deployment Job Result Summary API. Though the 'agentCheckedInTime' field has been removed from the response, you can see the Agent Activity details, such as the last checked-in details for an asset on the Asset Details page from the patch management UI.

#### Response:

```
"id": "b6fd7a02-1b08-40d0-8504-2bb6bcc36ff8",
    "name": "Job History 1",
    "assetCount": 1,
    "patchCount": 3,
    "createdBy": "gtham bw",
    "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
                    },
                        "id": "a3ec2f0b-0666-4a4d-b36b-7908890e0c7c",
                        "name": null
                    },
                         "id": "fff55ebb-3f53-498e-ad44-da878bfacdad",
                        "name": null
                    },
```

```
"id": "36cb1f58-94a5-4c87-a58a-eee92d683051",
                        "name": null
                    },
                        "id": "3efeacf2-3135-4230-b993-238acef55bca",
                        "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,
            "failedActionsCount": null,
            "successfulActionsCount": null,
            "interimResultStatus": null,
            "jobInstanceId": 21,
            "totalPatchCount": 0,
            "scanDateTime": 1679074153079
        }
   ]
}
```

## **Get Deployment Job Progress Report - Column Enhancements**

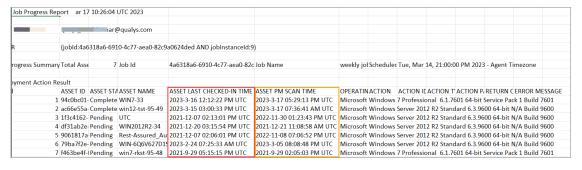
API affected	pm/v1/report/jobprogress/{deploymentJobId}		
Status	Updated		
Operator	GET		
DTD or XSD changes	Not Applicable		

#### 'ASSET LAST CHECKED-IN TIME' Column Removal

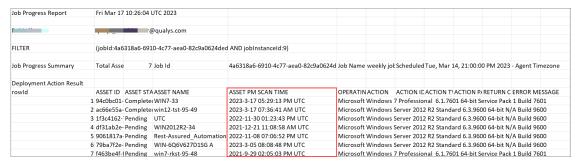
With this release, we have removed the 'ASSET LAST CHECKED-IN TIME' column from the Get Deployment Job Progress Report. Though the column has been removed from the report, you can see the Agent Activity details, such as the last checked-in details for an asset on the Asset Details page from the patch management UI.

Note: With the previous release, we already introduced the ASSET PM SCAN TIME column as it's more relevant to the patch management job progress. Refer to the following screen shots

A snippet of the report (Before the PM 2.3.0.0 release):



# A snippet of the report (With the PM 2.3.0.0 release):



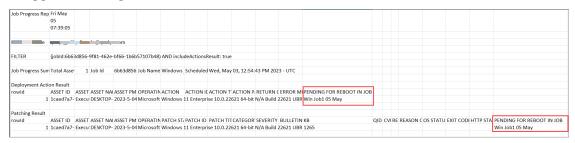
#### 'PENDING FOR REBOOT IN JOB' Column Addition

With this release, we have added the 'PENDING FOR REBOOT IN JOB' column to the Get Deployment Job Progress Report.

When the asset is in the pending reboot state in another job, the name of that job is mentioned in this newly added column.

This information is helpful for you to understand the reason why your current job is not getting progressed on such an asset.

#### A snippet of the report:



# **Job Progress Report Support for Linux Platform**

With this release, we have provided the Linux job progress report support for the following APIs.

Before this release, the report API support was provided only for the Windows platform.

- Get List of Generated Reports
- Get Deployment Job Progress Report
- Download Report in .CSV Format

# **Get List of Generated Reports**

API affected	/pm/v1/reports	
New or Updated APIs	Updated	
Operator	GET	
DTD or XSD changes	Not Applicable	

With this release, we have provided reports listing support for Linux job progress reports. Using this API, you can view the list of recently triggered Linux job progress reports.

#### API Request:

```
curl -X 'GET' \
       'https://<QualysBaseURL>/pm/v1/reports?limit=5' \
      -H "accept: application/json' \
      -H "Authorization: Bearer <<jwt token>>'
Response:
       [
          "reportId": "10ad6242-6932-42b1-bd8e-e95b7328cbd9",
           "type": "PATCH",
           "createdDate": 1683095906019,
           "expirationDate": 1683700706019,
           "status": 1,
           "queryHavingQuery": null,
           "fileSize": "916.34 KB",
           "platform": "Windows"
         },
         . . .
           "reportId": "f8daa6f0-df94-40e8-a58e-6ac9aafbacc7",
           "type": "JOB PROGRESS",
           "createdDate": 1683086830575,
           "expirationDate": 1683691630575,
           "status": 1,
           "queryHavingQuery": "(jobId:c9ec7644-eb91-43d8-836a-5e6d43dfcc51)",
           "fileSize": "792.00 Bytes",
           "platform": "Linux"
         }
      1
```

## **Get Deployment Job Progress Report**

API affected	/pm/v1/report/jobprogress/{deploymentJobId}		
New or Updated APIs	Updated		
Operator	GET		
DTD or XSD changes	Not Applicable		

With this release, we have provided the deployment job progress report generation support for Linux jobs. Using this API, you can generate the deployment job progress report for the specified Linux job Id.

#### API Request:

```
curl -X 'GET' \
  '//<QualysBaseURL>/pm/v1/report/jobprogress/0a42c22e-1f5e-4a57-a6e2-
9d25bfcc67ef?includeActionReport=false' \
  -H 'accept: application/json' \
  -H 'Authorization: Bearer <<jwt token>>'
```

#### Response:

```
{
   "reportId": "6695f10c-68a2-4c93-8337-7df64de91be8"
}
```

# **Download Report in .CSV Format**

API affected	/pm/v1/report/{reportId}/download		
New or Updated APIs	Updated		
Operator	GET		
DTD or XSD changes	Not Applicable		

With this release, we have provided support to download the Linux job progress reports. Using this API, you can download the Linux deployment job progress report for the specified Linux job Id.

#### API Request:

```
curl -X 'GET' \
  '//<QualysBaseURL>/pm/v1/report/6695f10c-68a2-4c93-8337-
7df64de91be8/download' \
  -H 'accept: application/json' \
  -H 'Authorization: Bearer <<jwt token>>'
```

The report is downloaded in the CSV format.

# Example - Snippet of the report



# Get Deployment Job Result Summary API - Fields Addition

API affected	/pm/v1/deploymentjob/{deploymentJobId}/deploymentjobresult/summary	
New or Updated APIs	Updated	
Operator	GET	
DTD or XSD changes	Not Applicable	

With this release, we have added the "pendingForRebootInAnotherJob" and "pendingForRebootInAnotherJobName" new fields to this API.

Field	Value	Description
pendingForRebootInAnotherJob	true	The asset is in the pending reboot state in another job. Also, the name of that job is shown in the "pendingForRebootInAnotherJobName" field.
pendingForRebootInAnotherJob	false	The asset is not in the pending reboot state in any other job.

This information is helpful for you to understand the reason why your current job is not getting progressed on such an asset.

### Response:

```
"id": "5eafc0e3-9343-47f2-9b54-bc5adcd97a19",
  "name": "Win liv job 2",
  "assetCount": 1,
  "patchCount": 1,
  "createdBy": "quays_pd6",
  "createdOn": 1683032352431,
  "assets": [
    {
      "asset": {
        "id": "1caed7a7-9fee-4b7d-8df9-3351425a53ae",
        "name": "DESKTOP-16CKNMD",
       "operatingSystem": "Microsoft Windows 11 Enterprise 10.0.22621 64-
bit N/A Build 22621 UBR 1265",
        "tags": [
            "id": "41c40798-fbc4-40f4-a9d6-b25a1ce2c495",
            "name": null
          },
```

```
"id": "7783b9a4-d8e5-46af-8121-81652314480b",
          "name": null
        }
      1,
      "lastLoggedOnUser": "Administrator",
      "successPatches": null,
      "installedPatches": null,
      "failedPatches": null,
      "supersededPatches": null,
      "notApplicablePatches": 0,
      "executing": null,
      "pendingExecution": null,
      "pendingReboot": null,
      "pendingVerification": null,
      "jobInstanceId": 1,
      "interfaces": [],
      "skipPatchCount": null,
      "additionalFields": null
    },
    "endDateTime": 0,
    "startDateTime": 0,
    "statusDateTime": 1683114601000,
    "status": "Execution Blocked",
    "statusCode": "20571",
    "jobSentOn": 1682936401000,
    "installed": null,
    "failed": null,
    "success": null,
    "superseded": null,
    "notApplicable": null,
    "failedActionsCount": null,
    "successfulActionsCount": null,
    "interimResultStatus": null,
    "jobInstanceId": 1,
    "totalPatchCount": 0,
    "runId": 0,
    "scanDateTime": 1678448381595,
    "pendingForRebootInAnotherJob": true,
    "pendingForRebootInAnotherJobName": "job 1 Win liv 02 may"
  }
]
```