



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

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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](#)

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}/deploymentjobresult/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):

Job Progress Report		ar 17 10:26:04 UTC 2023								
FILTER		(jobId:4a6318a6-6910-4c77-aea0-82c9a0624ded AND jobInstanceId:9)								
Job Progress Summary		Total Asse	7 Job Id	4a6318a6-6910-4c77-aea0-82c9a0624ded		Job Name		weekly job Scheduled Tue, Mar 14, 21:00:00 PM 2023 - Agent Timezone		
Deployment Action Result										
rowId	ASSET ID	ASSET STA	ASSET NAME	ASSET LAST CHECKED-IN TIME	ASSET PM SCAN TIME	OPERATION ACTION	ACTION IC	ACTION T	ACTION P/RETURN C	ERROR MESSAGE
1	94c0bc01-	Complete	WIN7-33	2023-3-16 12:12:22 PM UTC	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-95-49	2023-3-15 03:00:33 PM UTC	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	2021-12-07 02:13:01 PM UTC	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	WIN2012R2-34	2021-12-20 03:15:54 PM UTC	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-Assured_Au	2021-12-07 02:06:01 PM UTC	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-6Q6V627D15G	2023-2-24 07:25:33 AM UTC	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-95-48	2021-9-29 05:15:15 PM UTC	2021-9-29 02:05:03 PM UTC	Microsoft Windows 7 Professional	6.1.7601	64-bit	Service Pack 1	Build 7601

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

Job Progress Report		Fri Mar 17 10:26:04 UTC 2023								
FILTER		(jobId:4a6318a6-6910-4c77-aea0-82c9a0624ded AND jobInstanceId:9)								
Job Progress Summary		Total Asse	7 Job Id	4a6318a6-6910-4c77-aea0-82c9a0624ded		Job Name		weekly job Scheduled Tue, Mar 14, 21:00:00 PM 2023 - Agent Timezone		
Deployment Action Result										
rowId	ASSET ID	ASSET STA	ASSET NAME	ASSET PM SCAN TIME		OPERATION ACTION	ACTION IC	ACTION T	ACTION P/RETURN C	ERROR MESSAGE
1	94c0bc01-	Complete	WIN7-33	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-95-49	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	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	WIN2012R2-34	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-Assured_Automation	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-6Q6V627D15G A	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-95-48	2021-9-29 02:05:03 PM UTC		Microsoft Windows 7 Professional	6.1.7601	64-bit	Service Pack 1	Build 7601

'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 Rep Fri May 05 07:39:05																	
FILTER (jobId:6b63d856-9f81-462e-bf66-1b6b57107b48) AND includeActionsResult: true																	
Job Progress Sum Total Asse: 1 Job Id: 6b63d856 Job Name: Windows, Scheduled Wed, May 03, 12:54:43 PM 2023 - UTC																	
Deployment Action Result																	
rowId	ASSET ID	ASSET NAME	ASSET PM	OPERATION	ACTION	ACTION ID	ACTION T	ACTION P	RETURN C	ERROR M	PENDING FOR REBOOT IN JOB						
1	1caed7a7-	Execu	DESKTOP-	2023-5-04	Microsoft Windows 11 Enterprise	10.0.22621	64-bit	N/A	Build 22621	UBR	Win Job1 05 May						
Patching Result																	
rowId	ASSET ID	ASSET NAME	ASSET PM	OPERATION	PATCH ST	PATCH ID	PATCH T1	CATEGORY	SEVERITY	BULLETIN KB	QID	CVI	REASON C	OS STATUS	EXIT CODE	HTTP STA	PENDING FOR REBOOT IN JOB
1	1caed7a7-	Execu	DESKTOP-	2023-5-04	Microsoft Windows 11 Enterprise	10.0.22621	64-bit	N/A	Build 22621	UBR	1265						Win Job1 05 May

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"
  }
]
```

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' \
  '///

```

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' \
  '///

```

The report is downloaded in the CSV format.

Example - Snippet of the report

JOB_PROGRESS 6695f10c-68a2-4c93-8337-7df64de91be8	03 May 2023 12:01 UTC														
Description	Job Progress Report														
User Details	[Redacted]														
Job Progress Summary	Total Asset	1	Job Id	0a42c22e-1f5e-4a57-a6e2-9d25bfcc67ef								Job Name	test max c	Scheduled	Mon, Mar 13, 15:58:43 PM 2023 - UTC
FILTER	[jobId:0a42c22e-1f5e-4a57-a6e2-9d25bfcc67ef]														
Patching Result															
ROW ID	ASSET ID	ASSET STATUS	ASSET NAME	ASSET PM	OPERATIN	PATCH STA	PARTIALLY	PATCH ID	PATCH TITL	CATEGORY	SEVERITY	ADVISORY QID	CVE		
1	6c946a2a-9354-44	Completed	Rest-Assured_Automation_Agent16	Red Hat Er	FAILED	TRUE	58aa4edc-	RHSA-2021	Security	Important	RHSA-2021	238896	CVE-2020-24		
2	6c946a2a-9354-44	Completed	Rest-Assured_Automation_Agent16	Red Hat Er	SUCCESS	N/A	150810de-	RHSA-2020:5238	thi	Important	RHSA-2021	238899	CVE-2020-24		

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
    }
  ],
  "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"
}
]
}

```