Retrieve status for all automatic updates

REST API reference

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Retrieve status for all automatic updates

Support auto-update updates endpoint overview

Overview

Use this API to retrieve the status for all the automatic package updates.

This API only supports GET calls.

Examples

Retrieving the status of all package updates

The following example shows how to retrieve the status of all automatic updates:

```
# The API:
GET /support/auto-update/updates/

# The call:
curl -X GET "https://<mgmt-ip>/api/support/auto-update/updates?fields=*"

# The response:
{
"records": [
  {
    "uuid" : "440ae2e4-fd8f-4225-9bee-94e2da3f8d9d",
    "package_id" : "572361f3-e769-439d-9c04-2ba48a08ff47",
    "content_type" : "disk_fw",
    "content_category" : "firmware",
    "description" : "disk_fw version 3.0",
    "state" : "downloading",
    "creation_time" : "2020-12-01T09:12:03Z",
    "expiry_time" : "2021-06-01T09:12:03Z",
    "last_state_change_time" : "2020-12-01T09:12:23Z",
    "start_time": "2020-12-01T09:12:23Z",
    "percent_complete": 25,
    "remaining_time": "PT1M30S",
    "_links": {
      "self": {
        "href": "/support/auto-update/updates/440ae2e4-fd8f-4225-9bee-
94e2da3f8d9d"
      }
    }
  },
```

```
  {
    "uuid" : "440ae2e4-fd8f-4225-9bee-94e2da3f9d8d",
    "package_id" : "e2e12753-8501-11e8-a7c1-00505695c997",
    "content_type" : "disk_fw",
    "content_category" : "firmware",
    "description" : "disk_fw version 3.1",
    "state" : "pending_confirmation",
    "creation_time" : "2020-12-01T09:12:03Z",
    "expiry_time" : "2021-06-01T09:12:03Z",
    "last_state_change_time" : "2020-12-01T09:12:23Z",
    "start_time": "2020-12-01T09:12:23Z",
    "_links": {
      "self": {
        "href": "/support/auto-update/updates/440ae2e4-fd8f-4225-9bee-
94e2da3f8d9d"
      }
    }
  },
  {
    "uuid" : "440ae2e4-fd8f-4225-9aeb-94e2da3f8ef9",
    "package_id" : "e2e12753-8501-11e8-a7c1-00505695c997",
    "content_type" : "shelf_fw",
    "content_category" : "Firmware",
    "description" : "shelf_fw version 4.0",
    "state" : "applying",
    "creation_time" : "2020-12-01T09:11:53Z",
    "expiry_time" : "2021-06-01T09:12:03Z",
    "last_state_change_time" : "2020-12-01T09:12:13Z",
    "start_time": "2020-12-01T09:12:23Z",
    "percent_complete": 85,
    "remaining_time": "PT30S",
    "_links": {
      "self": {
        "href": "/support/auto-update/updates/440ae2e4-fd8f-4225-9aeb-
94e2da3f8ef9"
      }
    }
  }
],
"num_records": 3,
"_links": {
  "self": {
    "href": "/api/support/auto-update/updates?fields=*"
  }
}
}
```

Retrieve all automatic update status

GET `/support/auto-update/updates`

Introduced In: 9.10

Retrieves the status of all updates.

Parameters

Name	Type	In	Required	Description
status.arguments.message	string	query	False	Filter by status.arguments.message
status.arguments.code	string	query	False	Filter by status.arguments.code
status.message	string	query	False	Filter by status.message
status.code	string	query	False	Filter by status.code
status.target	string	query	False	Filter by status.target
remaining_time	string	query	False	Filter by remaining_time
uuid	string	query	False	Filter by uuid
state	string	query	False	Filter by state
scheduled_time	string	query	False	Filter by scheduled_time
end_time	string	query	False	Filter by end_time
start_time	string	query	False	Filter by start_time
expiry_time	string	query	False	Filter by expiry_time
percent_complete	integer	query	False	Filter by percent_complete
description	string	query	False	Filter by description

Name	Type	In	Required	Description
creation_time	string	query	False	Filter by creation_time
content_type	string	query	False	Filter by content_type
package_id	string	query	False	Filter by package_id
last_state_change_time	string	query	False	Filter by last_state_change_time
content_category	string	query	False	Filter by content_category
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned. • Default value: 1
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached. • Default value: 1 • Max value: 120 • Min value: 0

Name	Type	In	Required	Description
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
num_records	integer	Number of records
records	array[auto_update_status]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "self": {
            "href": "/api/resourcelink"
          }
        }
      },
      "action": "schedule_now",
      "content_category": "Firmware",
      "content_type": "disk_fw",
      "creation_time": "2020-12-01 09:12:23 +0000",
      "description": "disk_fw version 3.0",
      "end_time": "2020-12-01 09:12:23 +0000",
      "expiry_time": "2021-06-01 09:12:23 +0000",
      "last_state_change_time": "2020-12-01 09:12:23 +0000",
      "package_id": "572361f3-e769-439d-9c04-2ba48a08ff47",
      "percent_complete": 85,
      "remaining_time": "PT1H45M13S",
      "schedule_time": "2020-12-20 21:00:00 +0000",
      "scheduled_time": "2020-12-05 09:12:23 +0000",
      "start_time": "2020-12-01 09:12:23 +0000",
      "state": "pending_confirmation",
      "status": {
        "arguments": [
          {
            "code": "string",
            "message": "string"
          }
        ],
        "code": "4",
        "message": "entry doesn't exist",
        "target": "uuid"
```

```
      },
      "uuid": "440ae2e4-fd8f-4225-9bee-94e2da3f9d8d"
    }
  ]
}
```


Error

```
Status: Default, Error
```

Name	Type	Description
error	error	

Example error


```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```


Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

Name	Type	Description
next	href	
self	href	

self

Name	Type	Description
self	href	

_links

Name	Type	Description
self	self	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

status

Status of the update. ONTAP Message Codes

Code	Description
8650878	Get-url request to AutoSupport OnDemand Server failed.
131072105	Package installation successful.
131072106	Package installation failed.
131072107	Package installation is in progress.
131072108	An internal error occurred.
131072109	No errors found.
131072110	Failed to extract package.

Code	Description
131072111	Failed to create entry in status table.
131072209	Failed to download package.
131072210	Failed to obtain download links. Will be retried.
131072211	Installation cannot start because the following nodes are not up. Will be retried.
131072212	Automatic update cannot start. Will be retried.
131072213	Installation complete.
131072214	Installation in progress.
131072215	Scheduled to start.
131072301	Unable to create directory.
131072302	Update not required. It is already on the target firmware version.
131072303	Unable to move installable to installation location.
131072304	Successfully updated. All nodes already updated and skipped.
131072306	Firmware distribution starting.
131072307	Firmware distribution restarting.
131072308	Firmware distribution failed.
131072309	Firmware installation successful on node.
131072310	Firmware installable is corrupt on node.
131072311	Could not apply firmware update on nodes.
131072312	Firmware update operation failed.
131072313	Install failed to initiate on node.
131072314	Install initiated on node.
131072315	Install failed on node.
131072316	Update in progress on node.
131072317	Unexpected state occurred during firmware installation on node.
131072318	Successfully updated SP/BMC firmware.
131072319	Backup SP image is running. Firmware installation failed prematurely on node.
131072320	SP rebooted with an unexpected firmware version on node.
131072321	Waiting for shelf firmware to update.
131072322	Update complete.

Code	Description
131072323	Shelf update timed out.
131072324	Successfully updated shelves on nodes.
131072325	Waiting for disk firmware to update.
131072326	Disk update completed.
131072327	Disk update timed out.
131072328	Successfully updated disks on nodes.
131072329	Waiting for DQP firmware to update.
131072330	Successfully updated DQP on nodes.
131072331	DQP update timed out.
131072332	Failed to copy firmware.

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

auto_update_status

Name	Type	Description
_links	_links	
action	string	Action to be applied to the automatic update.
content_category	string	Category of the update
content_type	string	Image or package type.
creation_time	string	The date and time at which the update request was received.
description	string	Description of the update.

Name	Type	Description
end_time	string	The date and time at which the update request processing ended.
expiry_time	string	The date and time at which the update request will expire.
last_state_change_time	string	The date and time at which the state of the update changed last.
package_id	string	Unique identifier provided by the back-end.
percent_complete	integer	Percentage of update completed
remaining_time	string	The time remaining for the update processing to complete in an ISO-8601 duration formatted string.
schedule_time	string	Date and time when an automatic update action is scheduled. This field is required when the action field is set to "schedule".
scheduled_time	string	The date and time at which the update request is currently scheduled for.
start_time	string	The date and time at which the update request processing started.
state	string	Current state of the update.

Name	Type	Description
status	status	Status of the update. ONTAP Message Codes Code — Description 8650878 — Get-url request to AutoSupport OnDemand Server failed. 131072105 — Package installation successful. 131072106 — Package installation failed. 131072107 — Package installation is in progress. 131072108 — An internal error occurred. 131072109 — No errors found. 131072110 — Failed to extract package. 131072111 — Failed to create entry in status table. 131072209 — Failed to download package. 131072210 — Failed to obtain download links. Will be retried. 131072211 — Installation cannot start because the following nodes are not up. Will be retried. 131072212 — Automatic update cannot start. Will be retried. 131072213 — Installation complete. 131072214 — Installation in progress. 131072215 — Scheduled to start. 131072301 — Unable to create directory. 131072302 — Update not required. It is already on the target firmware version.

Name	Type	Description
uuid	string	Unique identifier for this update.

error

131072304 — Successfully updated. All nodes already

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

131072310 — Firmware installable is corrupt on node.

131072311 — Could not apply firmware update on nodes.

131072312 — Firmware update operation failed.

131072313 — Install failed to initiate on node.

131072314 — Install initiated on node.

131072315 — Install failed on node.

131072316 — Update in progress on node.

131072317 — Unexpected state occurred during firmware installation on node.

131072318 — Successfully updated SP/BMC firmware.

131072319 — Backup SP image is running. Firmware installation failed prematurely on node.

131072320 — SP rebooted with an unexpected firmware version on node.

131072321 — Waiting for shelf firmware to update.

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131072322 — Update complete.

131072323 — Shelf update timed out.

131072324 — Successfully updated shelves on nodes.

131072325 — Waiting for disk firmware to update.

131072326 — Disk update completed.

131072327 — Disk update timed out.

131072328 — Successfully updated disks on nodes.

131072329 — Waiting for DQP firmware to update.

131072330 — Successfully updated DQP on nodes.

131072331 — DQP update timed out.

131072332 — Failed to copy firmware.