Manage automatic updates

REST API reference

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Manage automatic updates

Manage automatic updates

Overview

Use this API to retrieve the status for a specific automatic package update.

This API supports GET and PATCH calls. PATCH can be used to perform an action on an automatic update.

Examples

Retrieving the status of an update

The following example shows how to retrieve the status of an automatic update:

```
# The API:
GET /support/auto-update/updates/440ae2e4-fd8f-4225-9bee-94e2da3f8d9d

# The call:
curl -X GET "https://<mgmt-ip>/api/support/auto-update/updates/440ae2e4-
fd8f-4225-9bee-94e2da3f8d9d"

# The response:
{
"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",
"status": {
    "message": "Get-url request to AutoSupport OnDemand Server failed.
Error: Couldn't connect to server.",
    "code": "8650878"
},
"_links": {
  "self": {
    "href": "/support/auto-update/updates/440ae2e4-fd8f-4225-9bee-
94e2da3f8d9d"
  }
}
}
```

Updating the state of an automatic update

The following example shows how to trigger an automatic update that is waiting for user confirmation:

```
# The API:
PATCH /support/auto-update/updates/440ae2e4-fd8f-4225-9bee-94e2da3f8d9d

# The call:
curl -X PATCH "https://<mgmt-ip>/api/support/auto-update/updates/440ae2e4-
fd8f-4225-9bee-94e2da3f8d9d?action=schedule_now" -H "accept:
application/hal+json"

# The response:
200 OK
```

The following example shows how to dismiss an automatic update that is waiting for user confirmation:

```
# The API:
PATCH /support/auto-update/updates/440ae2e4-fd8f-4225-9bee-94e2da3f8d9d

# The call:
curl -X PATCH "https://<mgmt-ip>/api/support/auto-update/updates/440ae2e4-
fd8f-4225-9bee-94e2da3f8d9d?action=dismiss" -H "accept:
application/hal+json"

# Response
200 OK
```

Retrieve the status of an update

GET `/support/auto-update/updates/{uuid}`

Introduced In: 9.10

Retrieves the status of an update.

Parameters

Name	Type	In	Required	Description
uuid	string	path	True	Update identifier
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

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.
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.

Name	Type	Description
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. 131072303 — Unable to move

Name	Type	Description
uuid	string	Unique identifier for this update.

131072304 — Successfully updated. All nodes already updated and skipped

Example response


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


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

131072321 — Waiting for shelf firmware to update.

131072322 — Update complete.

Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_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	

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.
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.

Code	Description
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.
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.

Code	Description
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

returned_error

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.

Perform an action on the update

PATCH `/support/auto-update/updates/{uuid}`

Introduced In: 9.10

Perform an action on the update.

Parameters

Name	Type	In	Required	Description
uuid	string	path	True	Update identifier

Name	Type	In	Required	Description
action	string	query	True	Action to be performed on the update • enum: ["cancel_schedule", "dismiss", "schedule", "schedule_now", "abort", "undismiss"]
schedule_time	string	query	False	Date and Time for which update is to be scheduled. This parameter is required only when action is "schedule". It should be in the ISO-8601 Date and Time format. Example- "2020-12-05T09:12:23Z". • format: date-time

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
262248	Unexpected parameter missing a delimiter.
131072200	Invalid Automatic Update ID.
131072201	No schedule to cancel for automatic update ID.
131072202	Cannot abort an automatic update that is not in progress.

Error Code	Description
131072203	Cannot dismiss a non-pending automatic update.
131072204	Cannot reactivate an automatic update that has not been dismissed.
131072205	Cannot schedule a non-pending automatic update to start.
131072206	Cannot schedule an automatic update past its expiration date.
131072207	Cannot schedule an automatic update in the past.
131072208	Cannot schedule automatic update while the feature is disabled.

Also see the table of common errors in the Response body overview section of this documentation.

Definitions

See Definitions

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

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.

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