



Manage automatic updates

ONTAP 9.10.1 REST API Documentation

NetApp
April 02, 2024

This PDF was generated from https://docs.netapp.com/us-en/ontap-restapi-9101/ontap/support_auto-update_updates_uuid_endpoint_overview.html on April 02, 2024. Always check docs.netapp.com for the latest.

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Manage automatic updates

Support auto-update updates UUID endpoint overview

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

| Name | Type | Description |
|------|--------|------------------------------------|
| uuid | string | Unique identifier for this update. |

Example response

131072304 — Successfully updated. All nodes already updated and skipped

```
{
  "_links": {
    "self": {
      "self": {
        "href": "/api/resourceLink"
      }
    }
  },
  "action": "schedule_now",
  "content_category": "Firmware",
  "content_type": "disk_fw",
  "creation_time": "2020-12-01T09:12:23Z",
  "description": "disk_fw version 3.0",
  "end_time": "2020-12-01T09:12:23Z",
  "expiry_time": "2021-06-01T09:12:23Z",
  "last_state_change_time": "2020-12-01T09:12:23Z",
  "package_id": "572361f3-e769-439d-9c04-2ba48a08ff47",
  "percent_complete": 85,
  "remaining_time": "PT1H45M13S",
  "schedule_time": "2020-12-20T21:00:00Z",
  "scheduled_time": "2020-12-05T09:12:23Z",
  "start_time": "2020-12-01T09:12:23Z",
  "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

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

131072321 — Waiting for shelf firmware to update.

131072322 — Update complete.

Status: Default, Error

| Name | Type | Description |
|-------|-------|-------------|
| error | error | |

Example error

131072325 — Waiting for disk firmware to update

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

131072331 — D&F update timed out.

Definitions

131072332 — Failed to copy firmware.

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 |
| target | string | The target parameter that caused the error. |

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 <ul style="list-style-type: none"> 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". <ul style="list-style-type: none"> format: date-time x-nullable: true |

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. |

| 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

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

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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