



Manage cluster schedules

ONTAP 9.14.1 REST API reference

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Manage cluster schedules

Cluster schedules endpoint overview

Overview

You can use the `/cluster/schedules` API to view, create, and modify job schedules in a cluster.

Retrieving a job schedule

You can retrieve job schedules by issuing a GET request to `/cluster/schedules`. It is also possible to retrieve a specific schedule when qualified by its UUID to `/cluster/schedules/{uuid}`. You can apply queries on fields to retrieve all schedules that match the combined query.

Example

```
# The API:
/api/cluster/schedules/

# The call:
curl -X GET 'https://<mgmt-ip>/api/cluster/schedules?type=interval'

# The response:
{
  "records": [
    {
      "uuid": "0941e980-0158-11e9-a82c-005056bb4301",
      "name": "Balanced Placement Model Cache Update",
      "type": "interval",
      "interval": "PT7M30S",
      "_links": {
        "self": {
          "href": "/api/cluster/schedules/0941e980-0158-11e9-a82c-005056bb4301"
        }
      }
    },
    {
      "uuid": "0944b975-0158-11e9-a82c-005056bb4301",
      "name": "Auto Balance Aggregate Scheduler",
      "type": "interval",
      "interval": "PT1H",
      "_links": {
        "self": {
          "href": "/api/cluster/schedules/0944b975-0158-11e9-a82c-005056bb4301"
        }
      }
    }
  ]
}
```

```
    }
  }
},
{
  "uuid": "0c65f1fb-0158-11e9-a82c-005056bb4301",
  "name": "Application Templates ASUP Dump",
  "type": "interval",
  "interval": "P1D",
  "_links": {
    "self": {
      "href": "/api/cluster/schedules/0c65f1fb-0158-11e9-a82c-005056bb4301"
    }
  }
},
],
"num_records": 4,
"_links": {
  "self": {
    "href": "/api/cluster/schedules?type=interval"
  }
}
}
```

```
# The API:
/api/cluster/schedules/{uuid}

# The call:
curl -X GET 'https://<mgmt-ip>/api/cluster/schedules/25312bd8-0158-11e9-a82c-005056bb4301'

# The response:
{
  "uuid": "25312bd8-0158-11e9-a82c-005056bb4301",
  "name": "monthly",
  "cluster": {
    "name": "rodan-tsundere",
    "uuid": "f3f9bbfa-0157-11e9-a82c-005056bb4301"
  },
  "type": "cron",
  "cron": {
    "minutes": [
      20
    ],
    "hours": [
      0
    ],
    "days": [
      1
    ]
  },
  "_links": {
    "self": {
      "href": "/api/cluster/schedules/25312bd8-0158-11e9-a82c-005056bb4301"
    }
  }
}
```

Creating a job schedule

You can create a job schedule by issuing a POST request to `/cluster/schedules` to a node in the cluster. For a successful request, the POST request returns a status code of 201. Job schedules can be of either type "cron" or type "interval". A cron schedule is run at specific minutes within the hour, or hours of the day, days of the week, days of the month, or months of the year. An interval schedule runs repeatedly at fixed intervals.

Required fields

- **name** - Name of the job schedule You are required to provide a "minutes" field for a cron schedule. An "interval" field is required for an interval schedule. Do not provide both a "cron" field and an "interval" field.

The schedule UUID is created by the system.

Cron schedule fields

- cron.minutes - Minutes within the hour (0 through 59)
- cron.hours - Hours of the day (0 through 23)
- cron.weekdays - Weekdays (0 through 6, where 0 is Sunday and 6 is Saturday.)
- cron.days - Days of the month (1 through 31)
- cron.months - Months of the year (1 through 12)

Interval schedule field

- interval - Length of time in ISO 8601 duration format.

Examples

Create an interval schedule with a 1-week interval

```
# The API:
/api/cluster/schedules
one_week_interval.txt:
{
  "name": "test_interval_1",
  "interval": "P1W"
}

# The call:
curl -X POST "https://<mgmt-ip>/api/cluster/schedules" -d
"@one_week_interval.txt"

# The response of a successful POST is empty.
```

Create a cron schedule that runs daily at 12:05

```
# The API:
/api/cluster/schedules
daily_noon_job.txt:
{
  "name": "test_cron_1",
  "cron":
  {
    "minutes": [ 5 ],
    "hours": [ 12 ]
  }
}

# The call:
curl -X POST "https://<mgmt-ip>/api/cluster/schedules" -d
"@daily_noon_job.txt"

# The response of a successful POST is empty.
```

Optional fields

By default, the schedule is owned by the local cluster. In a MetroCluster configuration, you can specify the partner cluster if the local cluster is in the switchover state.

- `cluster.name` - Name of the cluster owning the schedule.
- `cluster.uuid` - UUID of the cluster owning the schedule.

Records field

You can create multiple schedules in one request by providing an array of named records with schedule entries. Each entry must follow the required and optional fields listed above.

Updating a job schedule

The following fields of an existing schedule can be modified:

- `cron.minutes`
- `cron.hours`
- `cron.weekdays`
- `cron.days`
- `cron.months`
- `interval` Note that you cannot modify the name, cluster, and type of schedule. Also, you cannot modify a cron field of an interval schedule, or the interval field of a cron schedule. You can apply queries on fields to modify all schedules that match the combined query.

Examples

Modify an interval schedule with a 2-day and 5-minute interval

```
# The API:
/api/cluster/schedules/{uuid}
every_two_days_five_minutes.txt:
{
  "interval": "P2DT5M"
}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/cluster/schedules/{uuid}" -d
"@every_two_days_five_minutes.txt"

# The response of a successful PATCH is empty.
```

Modify a cron schedule to run Mondays at 2

```
# The API:
/api/cluster/schedules/{uuid}
monday_at_two.txt:
{
  "cron":
  {
    "hours": [ 2 ],
    "weekdays": [ 1 ]
  }
}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/cluster/schedules/{uuid}" -d
"@monday_at_two.txt"

# The response of a successful PATCH is empty.
```

Deleting a job schedule

You can delete job schedules based on their UUID. You can apply queries on fields to delete all schedules that match the combined query.

Example


```
# The API:
/api/cluster/schedules/{uuid}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/cluster/schedules/{uuid}"

# The response of a successful DELETE of one schedule is empty.
```

```
# The API:
/api/cluster/schedules/

# The call:
curl -X DELETE "https://<mgmt-ip>/api/cluster/schedules/?name=test*"

# The response of a successful DELETE indicates the number of schedules
affected:
{
  "num_records": 2,
  "_links": {
    "self": {
      "href": "/api/cluster/schedules?name=test*"
    }
  }
}
```

MetroCluster configurations

In a MetroCluster configuration, user-created schedules owned by the local cluster are replicated to the partner cluster. Likewise, user-created schedules owned by the partner cluster are replicated to the local cluster. The owning cluster for a particular schedule is shown in the "cluster.name" and "cluster.uuid" fields. Normally, only schedules owned by the local cluster can be created, modified, and deleted on the local cluster. However, when a MetroCluster configuration is in switchover, the cluster in switchover state can create, modify, and delete schedules owned by the partner cluster.

Retrieve schedules

GET /cluster/schedules

Introduced In: 9.6

Retrieves a schedule.

Parameters

| Name | Type | In | Required | Description |
|---------------|---------|-------|----------|---|
| scope | string | query | False | Filter by scope <ul style="list-style-type: none">Introduced in: 9.10 |
| interval | string | query | False | Filter by interval |
| uuid | string | query | False | Filter by uuid |
| cluster.uuid | string | query | False | Filter by cluster.uuid |
| cluster.name | string | query | False | Filter by cluster.name |
| cron.weekdays | integer | query | False | Filter by cron.weekdays <ul style="list-style-type: none">Max value: 6Min value: 0 |
| cron.months | integer | query | False | Filter by cron.months <ul style="list-style-type: none">Max value: 12Min value: 1 |
| cron.minutes | integer | query | False | Filter by cron.minutes <ul style="list-style-type: none">Max value: 59Min value: 0 |
| cron.days | integer | query | False | Filter by cron.days <ul style="list-style-type: none">Max value: 31Min value: 1 |
| cron.hours | integer | query | False | Filter by cron.hours <ul style="list-style-type: none">Max value: 23Min value: 0 |

| Name | Type | In | Required | Description |
|----------------|---------------|-------|----------|---|
| name | string | query | False | Filter by name <ul style="list-style-type: none"> • maxLength: 256 • minLength: 1 |
| type | string | query | False | Filter by type |
| svm.uuid | string | query | False | Filter by svm.uuid <ul style="list-style-type: none"> • Introduced in: 9.10 |
| svm.name | string | query | False | Filter by svm.name <ul style="list-style-type: none"> • Introduced in: 9.10 |
| 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • Max value: 120 • Min value: 0 • Default value: 1 |

| 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[schedule] | |

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "cluster": {
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "cron": {
      "days": {
      },
      "hours": {
      },
      "minutes": {
      },
      "months": {
      },
      "weekdays": {
      }
    },
    "interval": "P1DT2H3M4S",
    "scope": "cluster",
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    },
    "type": "cron",
  }
```

```
    "uuid": "4ea7a442-86d1-11e0-ae1c-123478563412"
  }
}
```

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|---|
| 459760 | The schedule specified is not a valid schedule. |

Also see the table of common errors in the [Response body](#) overview section of this documentation.

| 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 | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| next | href | |
| self | href | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

cluster

The cluster that owns the schedule. Defaults to the local cluster.

| Name | Type | Description |
|------|--------|--------------|
| name | string | Cluster name |
| uuid | string | Cluster UUID |

cron

Details for schedules of type cron.

| Name | Type | Description |
|---------|----------------|--|
| days | array[integer] | The days of the month the schedule runs. Leave empty for all. |
| hours | array[integer] | The hours of the day the schedule runs. Leave empty for all. |
| minutes | array[integer] | The minutes the schedule runs. Required on POST for a cron schedule. |

| Name | Type | Description |
|----------|----------------|--|
| months | array[integer] | The months of the year the schedule runs. Leave empty for all. |
| weekdays | array[integer] | The weekdays the schedule runs. Leave empty for all. |

svm

SVM, applies only to SVM-scoped objects.

| Name | Type | Description |
|--------|------------------------|---|
| _links | _links | |
| name | string | The name of the SVM. This field cannot be specified in a PATCH method. |
| uuid | string | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

schedule

Complete schedule information

| Name | Type | Description |
|----------|-------------------------|--|
| _links | _links | |
| cluster | cluster | The cluster that owns the schedule. Defaults to the local cluster. |
| cron | cron | Details for schedules of type cron. |
| interval | string | An ISO-8601 duration formatted string. |
| name | string | Schedule name. Required in the URL or POST body. |
| scope | string | If the schedule is owned by a data SVM, then the scope is set to svm. Otherwise it will be set to cluster. |

| Name | Type | Description |
|------|---------------------|--|
| svm | svm | SVM, applies only to SVM-scoped objects. |
| type | string | Schedule type |
| uuid | string | Job schedule UUID |

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. |

Create a schedule

POST /cluster/schedules

Introduced In: 9.6

Creates a schedule.

Required Fields

- name - Name of the job schedule. You must provide a minutes field for a cron schedule and an interval field for an interval schedule. Do not provide both a cron field and an interval field.

Parameters

| Name | Type | In | Required | Description |
|----------------|---------|-------|----------|---|
| return_records | boolean | query | False | <p>The default is false. If set to true, the records are returned.</p> <ul style="list-style-type: none"> • Default value: |

Request Body

| Name | Type | Description |
|----------|-------------------------|--|
| _links | _links | |
| cluster | cluster | The cluster that owns the schedule. Defaults to the local cluster. |
| cron | cron | Details for schedules of type cron. |
| interval | string | An ISO-8601 duration formatted string. |
| name | string | Schedule name. Required in the URL or POST body. |
| scope | string | If the schedule is owned by a data SVM, then the scope is set to svm. Otherwise it will be set to cluster. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| type | string | Schedule type |
| uuid | string | Job schedule UUID |

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "cluster": {
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "cron": {
    "days": {
    },
    "hours": {
    },
    "minutes": {
    },
    "months": {
    },
    "weekdays": {
    }
  },
  "interval": "P1DT2H3M4S",
  "scope": "cluster",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "type": "cron",
  "uuid": "4ea7a442-86d1-11e0-ae1c-123478563412"
}
```

Response

Status: 201, Created

Headers

| Name | Description | Type |
|----------|---|--------|
| Location | Useful for tracking the resource location | string |

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|---|
| 458788 | The schedule specified is not a valid schedule. |
| 459760 | The schedule specified is not a valid schedule. |
| 459763 | Schedule cannot be created locally using the remote cluster name as the owner. |
| 459764 | Cannot create a schedule with the same name as an existing schedule from the MetroCluster partner cluster but of a different schedule type. |
| 460783 | As this is a MetroCluster configuration and the local cluster is waiting for switchback, changes to non-system schedules are not allowed. |
| 460784 | An error occurred creating the remote cluster version of this schedule. |
| 2621601 | Cannot create a schedule on a system SVM. |

Also see the table of common errors in the [Response body](#) overview section of this documentation.

| 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 | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

cluster

The cluster that owns the schedule. Defaults to the local cluster.

| Name | Type | Description |
|------|--------|--------------|
| name | string | Cluster name |
| uuid | string | Cluster UUID |

cron

Details for schedules of type cron.

| Name | Type | Description |
|----------|----------------|--|
| days | array[integer] | The days of the month the schedule runs. Leave empty for all. |
| hours | array[integer] | The hours of the day the schedule runs. Leave empty for all. |
| minutes | array[integer] | The minutes the schedule runs. Required on POST for a cron schedule. |
| months | array[integer] | The months of the year the schedule runs. Leave empty for all. |
| weekdays | array[integer] | The weekdays the schedule runs. Leave empty for all. |

svm

SVM, applies only to SVM-scoped objects.

| Name | Type | Description |
|--------|------------------------|---|
| _links | _links | |
| name | string | The name of the SVM. This field cannot be specified in a PATCH method. |
| uuid | string | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

schedule

Complete schedule information

| Name | Type | Description |
|----------|-------------------------|--|
| _links | _links | |
| cluster | cluster | The cluster that owns the schedule. Defaults to the local cluster. |
| cron | cron | Details for schedules of type cron. |
| interval | string | An ISO-8601 duration formatted string. |
| name | string | Schedule name. Required in the URL or POST body. |
| scope | string | If the schedule is owned by a data SVM, then the scope is set to svm. Otherwise it will be set to cluster. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| type | string | Schedule type |
| uuid | string | Job schedule UUID |

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. |

Delete a schedule

DELETE /cluster/schedules/{uuid}

Introduced In: 9.6

Deletes a schedule.

Parameters

| Name | Type | In | Required | Description |
|------|--------|------|----------|---------------|
| uuid | string | path | True | Schedule UUID |

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|---|
| 459758 | Cannot delete a job schedule that is in use. Remove all references to the schedule, and then try to delete again. |
| 459761 | Schedule cannot be deleted on this cluster because it is replicated from the remote cluster. |
| 459762 | The schedule cannot be deleted because it is a system-level schedule. |

Also see the table of common errors in the [Response body](#) overview section of this documentation.

| 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

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. |

Retrieve a schedule

GET /cluster/schedules/{uuid}

Introduced In: 9.6

Retrieves a schedule.

Parameters

| Name | Type | In | Required | Description |
|--------|---------------|-------|----------|-------------------------------|
| uuid | string | path | True | Schedule UUID |
| fields | array[string] | query | False | Specify the fields to return. |

Response

Status: 200, Ok

| Name | Type | Description |
|----------|-------------------------|--|
| _links | _links | |
| cluster | cluster | The cluster that owns the schedule. Defaults to the local cluster. |
| cron | cron | Details for schedules of type cron. |
| interval | string | An ISO-8601 duration formatted string. |
| name | string | Schedule name. Required in the URL or POST body. |
| scope | string | If the schedule is owned by a data SVM, then the scope is set to svm. Otherwise it will be set to cluster. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| type | string | Schedule type |
| uuid | string | Job schedule UUID |

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "cluster": {
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "cron": {
    "days": {
    },
    "hours": {
    },
    "minutes": {
    },
    "months": {
    },
    "weekdays": {
    }
  },
  "interval": "P1DT2H3M4S",
  "scope": "cluster",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "type": "cron",
  "uuid": "4ea7a442-86d1-11e0-ae1c-123478563412"
}
```

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 | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

cluster

The cluster that owns the schedule. Defaults to the local cluster.

| Name | Type | Description |
|------|--------|--------------|
| name | string | Cluster name |
| uuid | string | Cluster UUID |

cron

Details for schedules of type cron.

| Name | Type | Description |
|----------|----------------|--|
| days | array[integer] | The days of the month the schedule runs. Leave empty for all. |
| hours | array[integer] | The hours of the day the schedule runs. Leave empty for all. |
| minutes | array[integer] | The minutes the schedule runs. Required on POST for a cron schedule. |
| months | array[integer] | The months of the year the schedule runs. Leave empty for all. |
| weekdays | array[integer] | The weekdays the schedule runs. Leave empty for all. |

svm

SVM, applies only to SVM-scoped objects.

| Name | Type | Description |
|---------------------|------------------------|---|
| <code>_links</code> | _links | |
| <code>name</code> | string | The name of the SVM. This field cannot be specified in a PATCH method. |
| <code>uuid</code> | string | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

`error_arguments`

| Name | Type | Description |
|----------------------|--------|------------------|
| <code>code</code> | string | Argument code |
| <code>message</code> | string | Message argument |

`returned_error`

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

Update a schedule

PATCH `/cluster/schedules/{uuid}`

Introduced In: 9.6

Updates a schedule. Note that you cannot modify a cron field of an interval schedule, or the interval field of a cron schedule.

Parameters

| Name | Type | In | Required | Description |
|------|--------|------|----------|---------------|
| uuid | string | path | True | Schedule UUID |

Request Body

| Name | Type | Description |
|----------|-------------------------|--|
| _links | _links | |
| cluster | cluster | The cluster that owns the schedule. Defaults to the local cluster. |
| cron | cron | Details for schedules of type cron. |
| interval | string | An ISO-8601 duration formatted string. |
| name | string | Schedule name. Required in the URL or POST body. |
| scope | string | If the schedule is owned by a data SVM, then the scope is set to svm. Otherwise it will be set to cluster. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| type | string | Schedule type |
| uuid | string | Job schedule UUID |

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "cluster": {
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "cron": {
    "days": {
    },
    "hours": {
    },
    "minutes": {
    },
    "months": {
    },
    "weekdays": {
    }
  },
  "interval": "P1DT2H3M4S",
  "scope": "cluster",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "type": "cron",
  "uuid": "4ea7a442-86d1-11e0-ae1c-123478563412"
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|---|
| 458788 | The schedule specified is not a valid schedule. |
| 459760 | The schedule specified is not a valid schedule. |
| 459761 | Schedule cannot be modified on this cluster because it is replicated from the remote cluster. |
| 460783 | As this is a MetroCluster configuration and the local cluster is waiting for switchback, changes to non-system schedules are not allowed. |
| 461785 | A cron schedule cannot have an interval field. |
| 461786 | An interval schedule cannot have a cron field. |

Also see the table of common errors in the [Response body](#) overview section of this documentation.

| 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 | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

cluster

The cluster that owns the schedule. Defaults to the local cluster.

| Name | Type | Description |
|------|--------|--------------|
| name | string | Cluster name |
| uuid | string | Cluster UUID |

cron

Details for schedules of type cron.

| Name | Type | Description |
|----------|----------------|--|
| days | array[integer] | The days of the month the schedule runs. Leave empty for all. |
| hours | array[integer] | The hours of the day the schedule runs. Leave empty for all. |
| minutes | array[integer] | The minutes the schedule runs. Required on POST for a cron schedule. |
| months | array[integer] | The months of the year the schedule runs. Leave empty for all. |
| weekdays | array[integer] | The weekdays the schedule runs. Leave empty for all. |

svm

SVM, applies only to SVM-scoped objects.

| Name | Type | Description |
|--------|------------------------|---|
| _links | _links | |
| name | string | The name of the SVM. This field cannot be specified in a PATCH method. |
| uuid | string | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

schedule

Complete schedule information

| Name | Type | Description |
|----------|-------------------------|--|
| _links | _links | |
| cluster | cluster | The cluster that owns the schedule. Defaults to the local cluster. |
| cron | cron | Details for schedules of type cron. |
| interval | string | An ISO-8601 duration formatted string. |
| name | string | Schedule name. Required in the URL or POST body. |
| scope | string | If the schedule is owned by a data SVM, then the scope is set to svm. Otherwise it will be set to cluster. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| type | string | Schedule type |
| uuid | string | Job schedule UUID |

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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