



# **Retrieve MetroCluster operations**

## REST API reference

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# Retrieve MetroCluster operations

## Cluster MetroCluster operations endpoint overview

### Overview

Retrieves a list of recent MetroCluster operations. To view more information about a specific operation, use the `/cluster/metrocluster/operations/{uuid}` API endpoint.

### Examples

#### Retrieves all MetroCluster operations

```
GET https://<mgmt-ip>/api/cluster/metrocluster/operations?fields=*
{
  "records": [
    {
      "uuid": "a14ae39f-8d85-11e9-b4a7-00505682dc8b",
      "type": "check",
      "state": "successful",
      "start_time": "2019-06-14T11:15:00-07:00",
      "end_time": "2019-06-14T11:16:08-07:00",
      "_links": {
        "self": {
          "href": "/api/cluster/metrocluster/operations/a14ae39f-8d85-11e9-b4a7-00505682dc8b"
        }
      }
    },
    {
      "uuid": "7058df27-8d85-11e9-bbc9-005056826931",
      "type": "configure",
      "state": "successful",
      "start_time": "2019-06-12T19:46:27-07:00",
      "end_time": "2019-06-12T19:48:17-07:00",
      "_links": {
        "self": {
          "href": "/api/cluster/metrocluster/operations/7058df27-8d85-11e9-bbc9-005056826931"
        }
      }
    },
    {
      "uuid": "7849515d-8d84-11e9-bbc9-005056826931",
      "type": "check",
      "state": "successful",
      "start_time": "2019-06-12T19:48:27-07:00",
      "end_time": "2019-06-12T19:49:17-07:00",
      "_links": {
        "self": {
          "href": "/api/cluster/metrocluster/operations/7849515d-8d84-11e9-bbc9-005056826931"
        }
      }
    }
  ]
}
```

```

    "type": "connect",
    "state": "successful",
    "start_time": "2019-06-12T19:39:30-07:00",
    "end_time": "2019-06-12T19:42:02-07:00",
    "_links": {
        "self": {
            "href": "/api/cluster/metrocluster/operations/7849515d-8d84-11e9-bbc9-005056826931"
        }
    }
},
{
    "uuid": "331c79ad-8d84-11e9-b4a7-00505682dc8b",
    "type": "interface_create",
    "state": "successful",
    "start_time": "2019-06-12T19:37:35-07:00",
    "end_time": "2019-06-12T19:37:41-07:00",
    "_links": {
        "self": {
            "href": "/api/cluster/metrocluster/operations/331c79ad-8d84-11e9-b4a7-00505682dc8b"
        }
    }
},
],
"num_records": 4,
"_links": {
    "self": {
        "href": "/api/cluster/metrocluster/operations?fields=%2A"
    }
}
}

```

**Retrieves Information about a specific MetroCluster operation**

```

GET https://<mgmt-ip>/api/cluster/metrocluster/operations/0db12274-86fd-
11e9-8053-00505682c342
{
  "uuid": "0db12274-86fd-11e9-8053-00505682c342",
  "name": "check",
  "state": "successful",
  "start_time": "2019-06-06T16:15:01-07:00",
  "end_time": "2019-06-06T16:16:05-07:00",
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster/operations/0db12274-86fd-
11e9-8053-00505682c342"
    }
  }
}

```

## Retrieve MetroCluster operations on the local cluster

GET /cluster/metrocluster/operations

**Introduced In:** 9.8

Retrieves the list of MetroCluster operations on the local cluster.

### Related ONTAP Commands

- metrocluster operation history show

### Learn more

- [DOC /cluster/metrocluster/operations](#)

### Parameters

Name	Type	In	Required	Description
errors	string	query	False	Filter by errors
uuid	string	query	False	Filter by uuid
type	string	query	False	Filter by type
additional_info	string	query	False	Filter by additional_info

Name	Type	In	Required	Description
command_line	string	query	False	Filter by command_line
end_time	string	query	False	Filter by end_time
state	string	query	False	Filter by state
start_time	string	query	False	Filter by start_time
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	<p>The default is true for GET calls. When set to false, only the number of records is returned.</p> <ul style="list-style-type: none"> <li>Default value: 1</li> </ul>
return_timeout	integer	query	False	<p>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.</p> <ul style="list-style-type: none"> <li>Default value: 1</li> <li>Max value: 120</li> <li>Min value: 0</li> </ul>
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">collection_links</a>	
num_records	integer	Number of Records
records	array[ <a href="#">metrocluster_operation</a> ]	

## Example response

```
{  
  "_links": {  
    "next": {  
      "href": "/api/resourcelink"  
    },  
    "self": {  
      "href": "/api/resourcelink"  
    }  
  },  
  "records": [  
    {  
      "_links": {  
        "self": {  
          "href": "/api/resourcelink"  
        }  
      },  
      "additional_info": "MetroCluster switchover with auto heal  
completed successfully.",  
      "command_line": "metrocluster switchover",  
      "end_time": "2016-03-10T14:35:16-08:00",  
      "errors": [  
        "siteB (warning): Unable to prepare the partner cluster for a  
pending switchback operation. Reason: entry doesn't exist. Reboot the  
nodes in the partner cluster before using the \"metrocluster  
switchback\" command."  
      ],  
      "start_time": "2016-03-10T14:33:16-08:00",  
      "state": "completed_with_warnings",  
      "type": "switchover",  
      "uuid": "11111111-2222-3333-4444-abcdefabcdef"  
    }  
  ]  
}
```

## Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
2425734	An internal error occurred. Wait a few minutes, and try the operation again. For further assistance, contact technical support.

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	

collection\_links

Name	Type	Description
next	href	
self	href	

self\_link

Name	Type	Description
self	href	

metrocluster\_operation

Data for a MetroCluster operation. REST: /api/cluster/metrocluster/operations

Name	Type	Description
_links	self_link	
additional_info	string	Additional information for the auto heal.
command_line	string	Command line executed with the options specified.
end_time	string	End Time
errors	array[string]	List of errors in the operation.
start_time	string	Start Time
state	string	Indicates the state of the operation.
type	string	Name of the operation.
uuid	string	Identifier for the operation.

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.

## Retrieve information about a MetroCluster operation

GET /cluster/metrocluster/operations/{uuid}

**Introduced In:** 9.8

Retrieves information about a specific MetroCluster operation.

### Related ONTAP Commands

- metrocluster operation show

### Parameters

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

### Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">self_link</a>	
additional_info	string	Additional information for the auto heal.
command_line	string	Command line executed with the options specified.
end_time	string	End Time
errors	array[string]	List of errors in the operation.
start_time	string	Start Time
state	string	Indicates the state of the operation.
type	string	Name of the operation.
uuid	string	Identifier for the operation.

## Example response

```
{  
  "_links": {  
    "self": {  
      "href": "/api/resourcelink"  
    }  
  },  
  "additional_info": "MetroCluster switchover with auto heal completed  
successfully.",  
  "command_line": "metrocluster switchover",  
  "end_time": "2016-03-10T14:35:16-08:00",  
  "errors": [  
    "siteB (warning): Unable to prepare the partner cluster for a  
    pending switchback operation. Reason: entry doesn't exist. Reboot the  
    nodes in the partner cluster before using the \"metrocluster  
    switchback\" command."  
  ],  
  "start_time": "2016-03-10T14:33:16-08:00",  
  "state": "completed_with_warnings",  
  "type": "switchover",  
  "uuid": "11111111-2222-3333-4444-abcdefabcdef"  
}
```

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
2425734	An internal error occurred. Wait a few minutes, and try the operation again. For further assistance, contact technical support.

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	

self\_link

Name	Type	Description
self	href	

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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