



# Retrieve MetroCluster operations

ONTAP 9.12.1 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": "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
end_time	string	query	False	Filter by end_time
type	string	query	False	Filter by type
start_time	string	query	False	Filter by start_time
state	string	query	False	Filter by state

Name	Type	In	Required	Description
additional_info	string	query	False	Filter by additional_info
node.uuid	string	query	False	Filter by node.uuid <ul style="list-style-type: none"> <li>Introduced in: 9.9</li> </ul>
node.name	string	query	False	Filter by node.name <ul style="list-style-type: none"> <li>Introduced in: 9.9</li> </ul>
errors	string	query	False	Filter by errors
command_line	string	query	False	Filter by command_line
uuid	string	query	False	Filter by uuid
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"> <li>Default value: 1</li> </ul>

Name	Type	In	Required	Description
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"
    }
  },
  "num_records": 1,
  "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."
    ],
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "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	<a href="#">href</a>	
self	<a href="#">href</a>	

self\_link

Name	Type	Description
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

node

Node from where the command is executed.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

metrocluster\_operation

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

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.

Name	Type	Description
end_time	string	End Time
errors	array[string]	List of errors in the operation.
node	<a href="#">node</a>	Node from where the command is executed.
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[ <a href="#">error_arguments</a> ]	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
<a href="#">_links</a>	<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.
node	<a href="#">node</a>	Node from where the command is executed.
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."
  ],
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "name": "node1",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"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	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

node

Node from where the command is executed.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

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