



Retrieve MetroCluster operations

REST API reference

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Table of Contents

- Retrieve MetroCluster operations 1
 - Retrieve MetroCluster operations 1
 - Overview 1
 - Examples 1
- Retrieve MetroCluster operations on the local cluster 3
 - Related ONTAP Commands 3
 - Learn more 3
 - Parameters 3
 - Response 5
 - Error 7
 - Definitions 7
- Retrieve information about a MetroCluster operation 9
 - Related ONTAP Commands 10
 - Parameters 10
 - Response 10
 - Error 11
 - Definitions 12

Retrieve MetroCluster operations

Retrieve MetroCluster operations

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
uuid	string	query	False	Filter by uuid
type	string	query	False	Filter by type
state	string	query	False	Filter by state

Name	Type	In	Required	Description
node.uuid	string	query	False	Filter by node.uuid • Introduced in: 9.9
node.name	string	query	False	Filter by node.name • Introduced in: 9.9
additional_info	string	query	False	Filter by additional_info
errors	string	query	False	Filter by errors
command_line	string	query	False	Filter by command_line
start_time	string	query	False	Filter by start_time
end_time	string	query	False	Filter by end_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	The default is true for GET calls. When set to false, only the number of records is returned. • Default value: 1

Name	Type	In	Required	Description
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. • Default value: 15 • Max value: 120 • Min value: 0
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

Status: 200, Ok

Name	Type	Description
_links	collection_links	
num_records	integer	Number of Records
records	array[metrocluster_operation]	

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": "2016-03-10 17:35:16 -0500",
      "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": "2016-03-10 17:33:16 -0500",
      "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.

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	

collection_links

Name	Type	Description
next	href	
self	href	

self_link

Name	Type	Description
self	href	

_links

Name	Type	Description
self	href	

node

Node from where the command is executed.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

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.

Name	Type	Description
end_time	string	End Time
errors	array[string]	List of errors in the operation.
node	node	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

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 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	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.
node	node	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": "2016-03-10 17:35:16 -0500",
  "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": "2016-03-10 17:33:16 -0500",
  "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.

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	

self_link

Name	Type	Description
self	href	

_links

Name	Type	Description
self	href	

node

Node from where the command is executed.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

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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