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": "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
state	string	query	False	Filter by state
errors	string	query	False	Filter by errors
end_time	string	query	False	Filter by end_time
type	string	query	False	Filter by type

Name	Type	In	Required	Description
node.name	string	query	False	Filter by node.name • Introduced in: 9.9
node.uuid	string	query	False	Filter by node.uuid • Introduced in: 9.9
uuid	string	query	False	Filter by uuid
additional_info	string	query	False	Filter by additional_info
start_time	string	query	False	Filter by start_time
command_line	string	query	False	Filter by command_line
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: 1 • 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"
    }
  },
  "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	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

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": "2016-03-10T14:35:16-08:00",
  "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	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

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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