



# **View and manage MetroCluster configurations**

ONTAP 9.8 REST API reference

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April 02, 2024

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# View and manage MetroCluster configurations

## Cluster MetroCluster endpoint overview

### Overview

You can use this API to create, perform operations, and retrieve relevant information pertaining to MetroCluster. The GET operation fetches MetroCluster status and configuration parameters for the local and partner cluster. The PATCH operation executes a switchover or switchback operation. The POST request can be used to setup a MetroCluster.

### Creating a MetroCluster

A new MetroCluster can be set up by issuing a POST to `/cluster/metrocluster`. Parameters are provided in the body of the POST request.

#### Fields used for setting up a MetroCluster configuration

The fields used for MetroCluster APIs are either required or optional and are described as follows:

#### Required configuration fields

These fields are always required for any POST `/cluster/metrocluster` request.

- `partner_cluster.name` - Specifies the partner cluster name to which cluster peering has been established.
- `dr_pairs` - Specifies local and DR partner node pairs. Each pair uniquely identifies a DR group.

#### Optional configuration fields

This field is used to set up additional components in a MetroCluster configuration.

- `mediator.*` - Specifies mediator parameters. If Mediator Assisted Unplanned Switchover (MAUSO) functionality is required, then a mediator should be configured.

#### Polling the setup job

After a successful POST `/cluster/metrocluster` is issued, an HTTP status code of 202 (Accepted) is returned along with a job UUID and a link in the body of the response. The setup job continues asynchronously and can be monitored by using the job UUID and the `/cluster/jobs` API. The "message" field in the response of the GET `/cluster/jobs/{uuid}` request shows the current step in the job, and the "state" field shows the overall state of the job.

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## Examples

### Setting up a 4-node MetroCluster

This example shows the POST body when setting up a 4-node MetroCluster along with a mediator. It is required that cluster peering be established between two clusters, in this example, site "mcc\_siteA" and "mcc\_siteB" before issuing the POST request. Nodes "node-a" and "node-b" are HA partners and part of the local cluster "mcc\_siteA", whereas nodes "node-c" and "node-d" are HA partners in the partner cluster "mcc\_siteB". Specifying a single DR pairing of "node-a" and "node-c" is sufficient to identify a DR group -- "node-a" and "node-c" will be designated primary DR partners ("node-b" and "node-d" too). "node-d" will then be designated auxiliary partner of "node-a". Once the MetroCluster configuration has been completed, and since mediator parameters have been provided, the mediator will be setup and MAUSO enabled.

```
# API
/api/cluster/metrocluster
```

### POST body included from file

```
mcc_post_body.txt:
{
  "partner_cluster" : {
    "name": "mcc_siteB"
  },
  "dr_pairs" : [
    {
      "node" : {
        "name" : "node-a"
      },
      "partner" : {
        "name" : "node-c"
      }
    }
  ],
  "mediator" : {
    "ip_address" : "1.2.3.4",
    "user" : "mcc_mediator",
    "password" : "openMediator"
  }
}
curl -X POST https://<mgmt-ip>/api/cluster/metrocluster -d
"@mcc_post_body.txt"
```

## Inline POST body

```
curl -X POST https://<mgmt-ip>/api/cluster/metrocluster -d
'{"partner_cluster" : {"name": "mcc_siteB" }, "dr_pairs" : [{"node" :
{"name" : "node-a" }, "partner" : {"name" : "node-c" }]}, "mediator" :
{"ip_address" : "1.2.3.4", "user" : "mcc_mediator" , "password" :
"openMediator" }{'
```

## POST Response

```
HTTP/1.1 202 Accepted
Date: Thu, 09 Jan 2020 20:38:05 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Location: /api/cluster/metrocluster
Content-Length: 189
Content-Type: application/hal+json
{
  "job": {
    "uuid": "f23abddb-331f-11ea-acd3-005056a708b2",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/f23abddb-331f-11ea-acd3-005056a708b2"
      }
    }
  }
}
```

## Monitoring the job progress

Use the link provided in the response to the POST request to fetch information for the setup job.

### Request

```
curl -X GET https://<mgmt-ip>/api/cluster/jobs/f23abddb-331f-11ea-acd3-
005056a708b2
```

### Job status response

The following is an example of the job status response returned by the running MetroCluster setup job:

```
HTTP/1.1 200 OK
Date: Thu, 09 Jan 2020 20:40:20 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 373
Content-Type: application/hal+json
{
  "uuid": "f23abdb-331f-11ea-acd3-005056a708b2",
  "description": "POST /api/cluster/metrocluster",
  "state": "running",
  "message": "Checking remote storage pool",
  "code": 2432844,
  "start_time": "2020-01-09T15:38:08-05:00",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/f23abdb-331f-11ea-acd3-005056a708b2"
    }
  }
}
```

### Completion message

This is the final update message from the setup job indicating completion.

```
{
  "uuid": "f23abdb-331f-11ea-acd3-005056a708b2",
  "description": "POST /api/cluster/metrocluster",
  "state": "running",
  "message": "MetroCluster setup is complete",
  "code": 2432849,
  "start_time": "2020-01-09T15:38:08-05:00",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/f23abdb-331f-11ea-acd3-005056a708b2"
    }
  }
}
```

### Final status of a successful MetroCluster setup workflow

When the setup job completes, the 'end\_time' field is populated, and the 'state' and 'message' fields report the final status.

```
HTTP/1.1 200 OK
Date: Thu, 09 Jan 2020 20:43:54 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 360
Content-Type: application/hal+json
{
  "uuid": "f23abddb-331f-11ea-acd3-005056a708b2",
  "description": "POST /api/cluster/metrocluster",
  "state": "success",
  "message": "success",
  "code": 0,
  "start_time": "2020-01-09T15:38:08-05:00",
  "end_time": "2020-01-09T15:43:50-05:00",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/f23abddb-331f-11ea-acd3-005056a708b2"
    }
  }
}
```

## Retrieving the MetroCluster configuration after completion of the POST request

### Request

```
curl -X GET https://<mgmt-ip>/api/cluster/metrocluster
```

### Response

```
HTTP/1.1 200 OK
Date: Thu, 09 Jan 2020 20:49:40 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 849
Content-Type: application/hal+json
{
  "local": {
    "configuration_state": "configured",
    "periodic_check_enabled": true,
    "mode": "normal",
    "partner_cluster_reachable": true,
    "cluster": {
      "name": "mcc_siteA",
      "uuid": "4294c4f2-30e2-11ea-8cac-005056a708b2",
      "_links": {
        "self": {
          "href": "/api/cluster/4294c4f2-30e2-11ea-8cac-005056a708b2"
        }
      }
    }
  },
  "remote": {
    "configuration_state": "configured",
    "periodic_check_enabled": true,
    "mode": "normal",
    "cluster": {
      "name": "mcc_siteB",
      "uuid": "4207c6a5-30e2-11ea-be25-005056a7dc84",
      "_links": {
        "self": {
          "href": "/api/cluster/4207c6a5-30e2-11ea-be25-005056a7dc84"
        }
      }
    }
  },
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster"
    }
  }
}
```



## Retrieving information about the nodes in a MetroCluster configuration

### Request

```
curl -X GET https://<mgmt-ip>/api/cluster/metrocluster/nodes
```

### Response

```
HTTP/1.1 200 OK
Date: Fri, 10 Jan 2020 02:26:20 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Type: application/hal+json
Transfer-Encoding: chunked
{
  "records": [
    {
      "dr_group_id": 1,
      "cluster": {
        "name": "mcc_siteA",
        "uuid": "4294c4f2-30e2-11ea-8cac-005056a708b2",
        "_links": {
          "self": {
            "href": "/api/cluster/4294c4f2-30e2-11ea-8cac-005056a708b2"
          }
        }
      },
      "node": {
        "name": "node-a",
        "uuid": "1e6b0137-30dd-11ea-82ba-005056a7c78a",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/1e6b0137-30dd-11ea-82ba-005056a7c78a"
          }
        }
      },
      "_links": {
        "self": {
          "href": "/api/cluster/metrocluster/nodes/1e6b0137-30dd-11ea-82ba-005056a7c78a"
        }
      }
    },
  ],
}
```

```

{
  "dr_group_id": 1,
  "cluster": {
    "name": "mcc_siteA",
    "uuid": "4294c4f2-30e2-11ea-8cac-005056a708b2",
    "_links": {
      "self": {
        "href": "/api/cluster/4294c4f2-30e2-11ea-8cac-005056a708b2"
      }
    }
  },
  "node": {
    "name": "node-b",
    "uuid": "1e57ba22-30dd-11ea-8b19-005056a708b2",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/1e57ba22-30dd-11ea-8b19-005056a708b2"
      }
    }
  },
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster/nodes/1e57ba22-30dd-11ea-8b19-005056a708b2"
    }
  }
},
{
  "dr_group_id": 1,
  "cluster": {
    "name": "mcc_siteB",
    "uuid": "4207c6a5-30e2-11ea-be25-005056a7dc84",
    "_links": {
      "self": {
        "href": "/api/cluster/4207c6a5-30e2-11ea-be25-005056a7dc84"
      }
    }
  },
  "node": {
    "name": "node-c",
    "uuid": "1e563efc-30dd-11ea-a9d3-005056a71573",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/1e563efc-30dd-11ea-a9d3-005056a71573"
      }
    }
  }
}

```

```

    }
  },
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster/nodes/1e563efc-30dd-11ea-a9d3-005056a71573"
    }
  },
  {
    "dr_group_id": 1,
    "cluster": {
      "name": "mcc_siteB",
      "uuid": "4207c6a5-30e2-11ea-be25-005056a7dc84",
      "_links": {
        "self": {
          "href": "/api/cluster/4207c6a5-30e2-11ea-be25-005056a7dc84"
        }
      }
    },
    "node": {
      "name": "node-d",
      "uuid": "1e400aa4-30dd-11ea-aded-005056a7dc84",
      "_links": {
        "self": {
          "href": "/api/cluster/nodes/1e400aa4-30dd-11ea-aded-005056a7dc84"
        }
      }
    },
    "_links": {
      "self": {
        "href": "/api/cluster/metrocluster/nodes/1e400aa4-30dd-11ea-aded-005056a7dc84"
      }
    }
  },
  ],
  "num_records": 4,
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster/nodes"
    }
  }
}

```

## Retrieving MetroCluster status and configuration information

```
GET https://<mgmt-ip>/api/cluster/metrocluster
{
  "local": {
    "configuration_state": "configured",
    "periodic_check_enabled": true,
    "mode": "normal",
    "cluster": {
      "name": "cluster1",
      "uuid": "bbc00ca3-8d81-11e9-b5a9-005056826931",
      "_links": {
        "self": {
          "href": "/api/cluster/bbc00ca3-8d81-11e9-b5a9-
005056826931"
        }
      }
    }
  },
  "remote": {
    "configuration_state": "configured",
    "periodic_check_enabled": true,
    "mode": "normal",
    "cluster": {
      "name": "cluster3",
      "uuid": "ce2cf803-8d81-11e9-87db-00505682cecf",
      "_links": {
        "self": {
          "href": "/api/cluster/ce2cf803-8d81-11e9-87db-
00505682cecf"
        }
      }
    }
  },
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster"
    }
  }
}
```

## Initiating a switchover or switchback command using PATCH

PATCH is used to initiate a variety of operations by specifying one of the following values in the "action"

parameter:

- `switchover` - Initiates an Unplanned Switchover (USO).
- `negotiated_switchover` - Indicates that an Negotiated switchover (NSO) is to be performed.
- `negotiated_switchover_simulate` - Provides validation in preparation for NSO but does not perform the operation.
- `switchback` - Indicates that a switchback is to be performed.
- `switchback_simulate` - Provides validation for switchback but does not commit the operation.

#### PATCH Switchover example

```
PATCH https://<mgmt-ip>/api/cluster/metrocluster?action=switchover
{
  "job": {
    "uuid": "70e54274-57ee-11e9-aa33-005056820b99",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/70e54274-57ee-11e9-aa33-005056820b99"
      }
    }
  }
}
```

This returns a job UUID. A subsequent GET for this job should return the following:

```
GET https://<mgmt-ip>/api/cluster/jobs/70e54274-57ee-11e9-aa33-005056820b99
{
  "uuid": "70e54274-57ee-11e9-aa33-005056820b99",
  "description": "MetroCluster Switchover Job",
  "state": "success",
  "message": "Complete: Switchover is successful.",
  "code": 0,
  "start_time": "2019-04-05T15:02:02-07:00",
  "end_time": "2019-04-05T15:02:30-07:00",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/70e54274-57ee-11e9-aa33-005056820b99"
    }
  }
}
```

### PATCH Switchback example:

```
PATCH https://<mgmt-ip>/api/cluster/metrocluster?action=switchback
{
  "job": {
    "uuid": "a62714cc-57ec-11e9-aa33-005056820b99",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/a62714cc-57ec-11e9-aa33-005056820b99"
      }
    }
  }
}
```

This returns a job UUID with a link to the job. A subsequent GET for this job UUID can be used to retrieve the completion status of the operation:

```
GET https://<mgmt-ip>/api/cluster/jobs/a62714cc-57ec-11e9-aa33-005056820b99
{
  "uuid": "a62714cc-57ec-11e9-aa33-005056820b99",
  "description": "MetroCluster Switchback Job",
  "state": "success",
  "message": "Complete: Switchback is successful.",
  "code": 0,
  "start_time": "2019-04-05T14:49:12-07:00",
  "end_time": "2019-04-05T14:50:12-07:00",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/a62714cc-57ec-11e9-aa33-005056820b99"
    }
  }
}
```

## Retrieve MetroCluster status and configuration details

GET /cluster/metrocluster

**Introduced In:** 9.8

Retrieves MetroCluster status and configuration details.

## Related ONTAP commands `*metrocluster show` `*metrocluster node show`

### Parameters

Name	Type	In	Required	Description
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>
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"><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
desc] direction. Default direction is 'asc' for ascending.	fields	array[string]	query	False

### Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">self_link</a>	
dr_pairs	array[ <a href="#">dr_pairs</a> ]	DR Pairs to create as part of a MetroCluster configure.
enabled	boolean	
local	<a href="#">local</a>	
mediator	<a href="#">mediator</a>	Mediator information
partner_cluster	<a href="#">partner_cluster</a>	Partner cluster information.
remote	<a href="#">remote</a>	



## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "dr_pairs": {
    "node": {
      "name": "nodeA"
    },
    "partner": {
      "name": "nodeB"
    }
  },
  "local": {
    "cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "configuration_state": "configuration_error",
    "mode": "normal"
  },
  "mediator": {
    "ip_address": "10.10.10.7",
    "password": "mypassword",
    "peer_cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster2",
      "uuid": "ebe27c49-1adf-4496-8335-ab862aebbf2"
    },
    "port": "31784",
    "reachable": 1,
    "user": "myusername",
    "uuid": "string"
  },
}
```

```

"partner_cluster": {
  "name": "cluster2"
},
"remote": {
  "cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "configuration_state": "configuration_error",
  "mode": "normal"
}
}

```

## 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	<a href="#">error</a>	

## 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>	

node

Local node of the DR Group.

Name	Type	Description
name	string	Name of the node.

partner

Partner node of the DR Group.

Name	Type	Description
name	string	Name of the node.

dr\_pairs

Name	Type	Description
node	<a href="#">node</a>	Local node of the DR Group.
partner	<a href="#">partner</a>	Partner node of the DR Group.

\_links

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

cluster

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

Name	Type	Description
uuid	string	

#### local

Name	Type	Description
cluster	<a href="#">cluster</a>	
configuration_state	string	Indicates the state of the local cluster configuration.
mode	string	Specifies the mode of operation of the local cluster.
partner_cluster_reachable	boolean	Specifies whether the partner cluster is reachable from the local cluster.
periodic_check_enabled	boolean	Indicates whether or not a periodic check is enabled on the local cluster.

#### peer\_cluster

The peer cluster that the mediator service is used for.

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

#### mediator

##### Mediator information

Name	Type	Description
ip_address	string	The IP address of the mediator.
password	string	The password used to connect to the REST server on the mediator.
peer_cluster	<a href="#">peer_cluster</a>	The peer cluster that the mediator service is used for.

Name	Type	Description
port	integer	The REST server's port number on the mediator.
reachable	boolean	Indicates the connectivity status of the mediator.
user	string	The username used to connect to the REST server on the mediator.
uuid	string	The unique identifier for the mediator service.

#### partner\_cluster

Partner cluster information.

Name	Type	Description
name	string	Name of the partner cluster.

#### remote

Name	Type	Description
cluster	<a href="#">cluster</a>	
configuration_state	string	Indicates the state of the remote cluster configuration.
mode	string	Specifies the mode of operation of the remote cluster.

#### 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

Name	Type	Description
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

## Initiate a switchover, heal, or switchback operation

PATCH /cluster/metrocluster

**Introduced In:** 9.8

Initiates a switchover or switchback operation.

**Related ONTAP commands** \* metrocluster switchover \* metrocluster switchback

### Parameters

Name	Type	In	Required	Description
action	string	query	False	Action to perform on the MetroCluster. <ul style="list-style-type: none"> <li>enum: ["switchover", "negotiated_switchover", "negotiated_switchover_simulate", "switchback", "switchback_simulate"]</li> </ul>
return_timeout	integer	query	False	Timeout in seconds for the call.
return_records	boolean	query	False	The default is false. If set to true, the records are returned. <ul style="list-style-type: none"> <li>Default value:</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 doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>

## Response

Status: 202, Accepted

Name	Type	Description
job	<a href="#">job_link</a>	



## Example response

```
{
  "job": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "uuid": "string"
  }
}
```

## 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	

\_links

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

job\_link

Name	Type	Description
_links	<a href="#">_links</a>	
uuid	string	The UUID of the asynchronous job that is triggered by a POST, PATCH, or DELETE 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.

# Set up a MetroCluster configuration

POST /cluster/metrocluster

**Introduced In:** 9.8

Sets up a MetroCluster.

## Required properties

- `partner_cluster.name`
- `dr_pairs`

## Recommended optional properties

- `mediator.*`

## Learn more

- [DOC /cluster/metrocluster](#)

## Related ONTAP commands

- `metrocluster configuration-settings dr-group create`
- `metrocluster configuration-settings interface create`
- `metrocluster configuration-settings connection connect`
- `metrocluster configuration-settings mediator add`
- `storage aggregate create`
- `storage aggregate mirror`
- `metrocluster configure`

## Parameters

Name	Type	In	Required	Description
return_timeout	integer	query	False	<p>The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>
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"> <li>• Default value:</li> </ul>

## Request Body

Name	Type	Description
_links	<a href="#">self_link</a>	
dr_pairs	array[ <a href="#">dr_pairs</a> ]	DR Pairs to create as part of a MetroCluster configure.
enabled	boolean	

<b>Name</b>	<b>Type</b>	<b>Description</b>
local	local	
mediator	mediator	Mediator information
partner_cluster	partner_cluster	Partner cluster information.
remote	remote	

## Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "dr_pairs": {
    "node": {
      "name": "nodeA"
    },
    "partner": {
      "name": "nodeB"
    }
  },
  "local": {
    "cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "configuration_state": "configuration_error",
    "mode": "normal"
  },
  "mediator": {
    "ip_address": "10.10.10.7",
    "password": "mypassword",
    "peer_cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster2",
      "uuid": "ebe27c49-1adf-4496-8335-ab862aebbf2"
    },
    "port": "31784",
    "reachable": 1,
    "user": "myusername",
    "uuid": "string"
  },
}
```

```

"partner_cluster": {
  "name": "cluster2"
},
"remote": {
  "cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "name": "cluster1",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"configuration_state": "configuration_error",
"mode": "normal"
}
}

```

## Response

Status: 202, Accepted

Name	Type	Description
job	job_link	

## Example response

```

{
  "job": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "uuid": "string"
}

```

## 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>	

node

Local node of the DR Group.

Name	Type	Description
name	string	Name of the node.

partner

Partner node of the DR Group.

Name	Type	Description
name	string	Name of the node.

dr\_pairs

Name	Type	Description
node	<a href="#">node</a>	Local node of the DR Group.
partner	<a href="#">partner</a>	Partner node of the DR Group.

\_links

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

cluster

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

Name	Type	Description
uuid	string	

#### local

Name	Type	Description
cluster	<a href="#">cluster</a>	
configuration_state	string	Indicates the state of the local cluster configuration.
mode	string	Specifies the mode of operation of the local cluster.
partner_cluster_reachable	boolean	Specifies whether the partner cluster is reachable from the local cluster.
periodic_check_enabled	boolean	Indicates whether or not a periodic check is enabled on the local cluster.

#### peer\_cluster

The peer cluster that the mediator service is used for.

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

#### mediator

##### Mediator information

Name	Type	Description
ip_address	string	The IP address of the mediator.
password	string	The password used to connect to the REST server on the mediator.
peer_cluster	<a href="#">peer_cluster</a>	The peer cluster that the mediator service is used for.

Name	Type	Description
port	integer	The REST server's port number on the mediator.
reachable	boolean	Indicates the connectivity status of the mediator.
user	string	The username used to connect to the REST server on the mediator.
uuid	string	The unique identifier for the mediator service.

partner\_cluster

Partner cluster information.

Name	Type	Description
name	string	Name of the partner cluster.

remote

Name	Type	Description
cluster	<a href="#">cluster</a>	
configuration_state	string	Indicates the state of the remote cluster configuration.
mode	string	Specifies the mode of operation of the remote cluster.

metrocluster

Holds MetroCluster status and configuration parameters for the local and remote clusters. REST: [/api/cluster/metrocluster](#)

Name	Type	Description
<a href="#">_links</a>	<a href="#">self_link</a>	
dr_pairs	array[ <a href="#">dr_pairs</a> ]	DR Pairs to create as part of a MetroCluster configure.
enabled	boolean	
local	<a href="#">local</a>	
mediator	<a href="#">mediator</a>	Mediator information

Name	Type	Description
partner_cluster	<a href="#">partner_cluster</a>	Partner cluster information.
remote	<a href="#">remote</a>	

#### job\_link

Name	Type	Description
_links	<a href="#">_links</a>	
uuid	string	The UUID of the asynchronous job that is triggered by a POST, PATCH, or DELETE 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.

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