Manage MetroCluster DR groups

REST API reference

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Manage MetroCluster DR groups

Cluster MetroCluster dr-groups endpoint overview

Overview

You can use this API to create, perform operations, and retrieve relevant information pertaining to MetroCluster DR groups. The GET operation retrieves all the DR groups in the MetroCluster over IP configuration or a DR group information specified by the DR group id. The POST request can be used to create a new DR group in the MetroCluster over IP configuration. The DELETE operation removes a DR group information specified by the DR group id from the existing MetroCluster over IP configuration.

Creating a new DR group

A new DR group in MetroCluster over IP configuration is created by issuing a POST to /cluster/metrocluster/dr-groups. Parameters are provided in the body of the POST request. This operation requires a valid MetroCluster over IP configuration. The new nodes added belong to either the local or partner cluster.

Fields used for setting up a new DR group

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/dr-groups 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 MetroCluster DR configuration.

- `mccip_ports` - Specifies relevant layer 3 network configuration information for each port. These include port name, node name, IP address, gateway, and netmask. If mccip_ports is not provided, then the API automatically generates IP addresses for the ports and creates an layer 2 network configuration.

Polling the create job

After a successful POST /cluster/metrocluster/dr-groups 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 create 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.

Deleting a DR group using ID

A DR group in MetroCluster over IP configuration can be deleted by issuing a DELETE to /cluster/metrocluster/dr-groups/{id}. No parameters are required for the DELETE request. The following preparation steps must be completed on the local and partner clusters before removing a DR group.

- Move all the data volumes to another DR group.
- Move all the MDV_CRS metadata volumes to another DR group.
- Delete all the MDV_aud metadata volumes that may exist in the DR group to be removed.
- Delete all the data aggregates in the DR group to be removed. Root aggregates are not deleted.
- Migrate all the data LIFs to home nodes in another DR group.
- Migrate the cluster management LIF to a home node in another DR group. Node management and inter-cluster LIFs are not migrated.
- Transfer epsilon to a node in another DR group. The operation is refused if the preparation steps are not completed on the local and partner clusters.

Polling the delete job

After a successful DELETE /cluster/metrocluster/dr-groups 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 delete 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.

Examples

Creating a DR group for MetroCluster over IP configuration

This example shows the POST body when creating a DR group for MetroCluster.

```
# API
/api/cluster/metrocluster/dr-groups
```

POST body included from file

```
dr_group_post_body.txt:
{
"partner_cluster" : {
  "name": "mcc_siteB"
},
"dr_pairs" : [
  {
    "node" : {
      "name" : "node-e"
    },
    "partner" : {
      "name" : "node-g"
    }
  }
]
}
curl -X POST https://<mgmt-ip>/api/cluster/metrocluster/dr-groups -H
"Content-Type: application+hal/json" -d "@dr_group_post_body.txt"
```

Inline POST body

```
curl -X POST https://<mgmt-ip>/api/cluster/metrocluster/dr-groups -H
"Content-Type: application+hal/json" -d '{"partner_cluster" : {"name":
"mcc_siteB" }, "dr_pairs" : [{"node" : {"name" : "node-e" }, "partner" :
{"name" : "node-g" }}]}'
```

POST Response

```
HTTP/1.1 202 Accepted
Date: Fri, 18 Sep 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/dr-groups
Content-Length: 189
Content-Type: application/hal+json
{
"job": {
  "uuid": "5b89472e-f9e8-11ea-9c31-005056bb42f7",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/5b89472e-f9e8-11ea-9c31-005056bb42f7"
    }
  }
}
}
```

Monitoring the job progress

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

Request

```
curl -X GET https://<mgmt-ip>/api/cluster/jobs/5b89472e-f9e8-11ea-9c31-
005056bb42f7
```

Job status response

The following is an example of the job status response returned by the running DR group job:

```
HTTP/1.1 200 OK
Date: Fri, 18 Sep 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": "5b89472e-f9e8-11ea-9c31-005056bb42f7",
"description": "POST /api/cluster/metrocluster/dr-groups/",
"state": "running",
"message": "Mirroring aggregates",
"code": 2432845,
"start_time": "2020-09-18T15:38:08-04:00",
"_links": {
  "self": {
    "href": "/api/cluster/jobs/5b89472e-f9e8-11ea-9c31-005056bb42f7"
  }
}
}
```

Final status of a successful DR Group create workflow

When the create job completes, the 'end_time' field is populated, and the 'state' and 'message' fields report final status.

```
HTTP/1.1 200 OK
Date: Fri, 18 Sep 2020 20:43:54 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": "5b89472e-f9e8-11ea-9c31-005056bb42f7",
"description": "POST /api/cluster/metrocluster/dr-groups/",
"state": "success",
"message": "success",
"code": 0,
"start_time": "2020-09-18T15:51:35-04:00",
"end_time": "2020-09-18T16:10:17-04:00",
"_links": {
  "self": {
    "href": "/api/cluster/jobs/5b89472e-f9e8-11ea-9c31-005056bb42f7"
  }
}
}
```

Retrieving the MetroCluster DR Groups configured in the MetroCluster over IP configuration

Request

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

Response

```
HTTP/1.1 200 OK
Date: Fri, 18 Sep 2020 20:47:05 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
{
"records": [
  {
    "id": 1,
    "_links": {
      "self": {
        "href": "/api/cluster/metrocluster/dr-groups/1"
      }
    }
  },
  {
    "id": 2,
    "_links": {
      "self": {
        "href": "/api/cluster/metrocluster/dr-groups/2"
      }
    }
  }
],
"num_records": 2,
"_links": {
  "self": {
    "href": "/api/cluster/metrocluster/dr-groups"
  }
}
}
```

Retrieving a Specific MetroCluster DR Group

Request

```
curl -X GET https://<mgmt-ip>/api/cluster/metrocluster/dr-groups/2
```

Response

```
HTTP/1.1 200 OK
Date: Fri, 18 Sep 2020 20:49:05 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 1049
Content-Type: application/hal+json
{
"id": 2,
"partner_cluster": {
  "name": "mcc_siteB",
  "uuid": "ea4d7114-f97f-11ea-a4bf-005056bb070a"
},
"dr_pairs": [
  {
    "node": {
      "name": "node-e",
      "uuid": "28f71e17-f988-11ea-b1dd-005056bb47e8"
    },
    "partner": {
      "name": "node-g",
      "uuid": "1af02867-f989-11ea-b86c-005056bbe97f"
    }
  },
  {
    "node": {
      "name": "node-f",
      "uuid": "b34ae3b8-f988-11ea-866b-005056bb0934"
    },
    "partner": {
      "name": "node-h",
      "uuid": "a21a2b16-f989-11ea-98d0-005056bb321d"
    }
  }
],
"_links": {
  "self": {
    "href": "/api/cluster/metrocluster/dr-groups/2"
  }
}
}
```

Deleting a MetroCluster DR Group

Request

```
curl -X DELETE https://<mgmt-ip>/api/cluster/metrocluster/dr-groups/{id}
```

Response

```
HTTP/1.1 200 OK
Date: Tue, 22 Sep 2020 03:29:01 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 189
Content-Type: application/hal+json
{
"job": {
  "uuid": "c24d1083-fc83-11ea-acaf-005056bb47c1",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/c24d1083-fc83-11ea-acaf-005056bb47c1"
    }
  }
}
}
```

Monitoring the job progress

Use the link provided in the response to the DELETE request to fetch information for the delete job.

Request

```
curl -X GET https://<mgmt-ip>/api/cluster/jobs/c24d1083-fc83-11ea-acaf-
005056bb47c1
```

Job status response

The following is an example of the job status response returned by the MetroCluster DR Group delete job.

```
HTTP/1.1 200 OK
Date: Tue, 22 Sep 2020 03:30:01 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 374
Content-Type: application/hal+json
{
"uuid": "c24d1083-fc83-11ea-acaf-005056bb47c1",
"description": "DELETE /api/cluster/metrocluster/dr-groups/2",
"state": "running",
"message": "Unconfiguring Metrocluster DR Group",
"code": 2432859,
"start_time": "2020-09-21T23:29:01-04:00",
"_links": {
  "self": {
    "href": "/api/cluster/jobs/c24d1083-fc83-11ea-acaf-005056bb47c1"
  }
}
}
```

Final Status of a successful MetroCluster DR Group delete workflow

When the delete job completes, the 'end_time' field is populated, and the 'state' and 'message' fields report the final status.

```
HTTP/1.1 200 OK
Date: Tue, 22 Sep 2020 03:38:08 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 374
Content-Type: application/hal+json
{
"uuid": "c24d1083-fc83-11ea-acaf-005056bb47c1",
"description": "DELETE /api/cluster/metrocluster/dr-groups/2",
"state": "success",
"message": "success",
"code": 0,
"start_time": "2020-09-21T23:29:01-04:00",
"end_time": "2020-09-21T23:36:36-04:00",
"_links": {
  "self": {
    "href": "/api/cluster/jobs/c24d1083-fc83-11ea-acaf-005056bb47c1"
  }
}
}
```

Retrieve all DR groups in a MetroCluster IP configuration

GET `/cluster/metrocluster/dr-groups`

Introduced In: 9.8

Retrieves all the DR group in the MetroCluster over IP configuration.

Parameters

Name	Type	In	Required	Description
id	integer	query	False	Filter by id
dr_pairs.node.uuid	string	query	False	Filter by dr_pairs.node.uuid
dr_pairs.node.name	string	query	False	Filter by dr_pairs.node.name
dr_pairs.partner.uuid	string	query	False	Filter by dr_pairs.partner.uuid

Name	Type	In	Required	Description
dr_pairs.partner.name	string	query	False	Filter by dr_pairs.partner.name
partner_cluster.name	string	query	False	Filter by partner_cluster.name
partner_cluster.uuid	string	query	False	Filter by partner_cluster.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. • Default value: 1
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	_links	
num_records	integer	Number of Records
records	array[metrocluster_dr_group]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "dr_pairs": [
        {
          "node": {
            "_links": {
              "self": {
                "href": "/api/resourcelink"
              }
            },
            "name": "node1",
            "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
          },
          "partner": {
            "_links": {
              "self": {
                "href": "/api/resourcelink"
              }
            },
            "name": "node1",
            "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
          }
        }
      ],
      "id": 0,
      "partner_cluster": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
```

```
        },
        "name": "cluster1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      }
    }
  ]
}
```


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.
2427132	MetroCluster is not configured on this cluster.

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
next	href	
self	href	

self_link

Name	Type	Description
self	href	

_links

Name	Type	Description
self	href	

node

Local node of the DR Group.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

partner

Partner node of the DR Group.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

dr_pair

Name	Type	Description
node	node	Local node of the DR Group.
partner	partner	Partner node of the DR Group.

ipv4_interface

Object to setup an interface along with its default router.

Name	Type	Description
address	string	IPv4 or IPv6 address
gateway	string	The IPv4 or IPv6 address of the default router.
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.

l3_config

Name	Type	Description
ipv4_interface	ipv4_interface	Object to setup an interface along with its default router.

node

Node information

Name	Type	Description
_links	_links	
name	string	
uuid	string	

mccip_ports

Port configuration specification. l3_config information is only needed when configuring a MetroCluster IP for use in a layer 3 network.

Name	Type	Description
l3_config	l3_config	

Name	Type	Description
name	string	Port name
node	node	Node information
uuid	string	Port UUID
vlan_id	integer	VLAN ID

partner_cluster

Partner cluster information.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

metrocluster_dr_group

DR group information.

Name	Type	Description
_links	self_link	
dr_pairs	array[dr_pair]	
id	integer	DR Group ID
partner_cluster	partner_cluster	Partner cluster information.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[error_arguments]	Message arguments

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

Create a new DR group in a MetroCluster IP configuration

POST `/cluster/metrocluster/dr-groups`

Introduced In: 9.8

Creates a new DR group in the MetroCluster over IP configuration.

Required properties

- `partner_cluster.name`
- `dr_pairs`

Recommended optional properties

- `mccip_ports`

Learn more

- DOC /cluster/metrocluster/dr-groups

Related ONTAP commands

- `metrocluster configuration-settings dr-group create`

Parameters

Name	Type	In	Required	Description
return_timeout	integer	query	False	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. • Default value: 1 • Max value: 120 • Min value: 0
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:

Request Body

Name	Type	Description
dr_pairs	array[dr_pair]	
id	integer	DR Group ID
mccip_ports	array[mccip_ports]	List of Port specifications.

Name	Type	Description
partner_cluster	partner_cluster	Partner cluster information.

Example request


```
{
  "dr_pairs": [
    {
      "node": {
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "partner": {
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      }
    }
  ],
  "id": 0,
  "mccip_ports": [
    {
      "l3_config": {
        "ipv4_interface": {
          "address": "10.10.10.7",
          "gateway": "10.1.1.1",
          "netmask": "24"
        }
      },
      "name": "e1b",
      "node": {
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "uuid": "string",
      "vlan_id": 200
    }
  ],
  "partner_cluster": {
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  }
}
```

Response

```
Status: 202, Accepted
```

Name	Type	Description
job	job_link	

Example response

```
{
  "job": {
    "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.
2432833	Operation is already running.
2432836	There are not enough disks in Pool1. Wait a few minutes, and try the operation again. For further assistance, contact technical support.
2432840	Configuring DR Groups
2432841	Generating IP addresses
2432844	Checking remote storage pool
2432845	Mirroring aggregates
2432846	Configuring MetroCluster and DR mirroring
2432857	Adding new MetroCluster DR Group
2432858	MetroCluster DR Group setup done

Definitions

See Definitions

href

Name	Type	Description
href	string	

self_link

_links

node

Local node of the DR Group.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

partner

Partner node of the DR Group.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

dr_pair

Name	Type	Description
node	node	Local node of the DR Group.
partner	partner	Partner node of the DR Group.

ipv4_interface

Object to setup an interface along with its default router.

Name	Type	Description
address	string	IPv4 or IPv6 address
gateway	string	The IPv4 or IPv6 address of the default router.

Name	Type	Description
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.

l3_config

Name	Type	Description
ipv4_interface	ipv4_interface	Object to setup an interface along with its default router.

node

Node information

Name	Type	Description
name	string	
uuid	string	

mccip_ports

Port configuration specification. l3_config information is only needed when configuring a MetroCluster IP for use in a layer 3 network.

Name	Type	Description
l3_config	l3_config	
name	string	Port name
node	node	Node information
uuid	string	Port UUID
vlan_id	integer	VLAN ID

partner_cluster

Partner cluster information.

Name	Type	Description
name	string	
uuid	string	

metrocluster_dr_group

DR group information.

Name	Type	Description
dr_pairs	array[dr_pair]	
id	integer	DR Group ID
mccip_ports	array[mccip_ports]	List of Port specifications.
partner_cluster	partner_cluster	Partner cluster information.

job_link

Name	Type	Description
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[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Remove a DR group from a MetroCluster IP configuration

DELETE `/cluster/metrocluster/dr-groups/{id}`

Introduced In: 9.8

Remove the DR group from the current MetroCluster over IP configuration specified by the DR group id.

Parameters

Name	Type	In	Required	Description
id	string	path	True	
return_timeout	integer	query	False	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. • Default value: 1 • Max value: 120 • Min value: 0
fields	array[string]	query	False	Specify the fields to return.

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.
2432833	Operation is already running.
2432859	Unconfigurint MetroCluster DR Group
2432860	Unmirroring Aggregates
2432861	Unassigning Remote Disks
2432862	Disabling Cluster HA and Storage Failover HA
2432863	Disconnecting and deleting network connections
2432864	Unconfiguring and deleting the DR Group
2432865	Deleting MetroCluster DR Group
2432866	MetroCluster DR Group delete done

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	href	

job_link

Name	Type	Description
_links	_links	
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[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Retrieve DR group information using the DR group ID

GET `/cluster/metrocluster/dr-groups/{id}`

Introduced In: 9.8

Retrieves the DR group information specified by the DR group id.

Parameters

Name	Type	In	Required	Description
id	string	path	True	
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	self_link	
dr_pairs	array[dr_pair]	
id	integer	DR Group ID
partner_cluster	partner_cluster	Partner cluster information.

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "dr_pairs": [
    {
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "partner": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      }
    }
  ],
  "id": 0,
  "partner_cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  }
}
```

Error

```
Status: Default, Error
```

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

Local node of the DR Group.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

partner

Partner node of the DR Group.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

dr_pair

Name	Type	Description
node	node	Local node of the DR Group.
partner	partner	Partner node of the DR Group.

ipv4_interface

Object to setup an interface along with its default router.

Name	Type	Description
address	string	IPv4 or IPv6 address
gateway	string	The IPv4 or IPv6 address of the default router.
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.

l3_config

Name	Type	Description
ipv4_interface	ipv4_interface	Object to setup an interface along with its default router.

node

Node information

Name	Type	Description
_links	_links	
name	string	
uuid	string	

mccip_ports

Port configuration specification. l3_config information is only needed when configuring a MetroCluster IP for use in a layer 3 network.

Name	Type	Description
l3_config	l3_config	
name	string	Port name
node	node	Node information
uuid	string	Port UUID
vlan_id	integer	VLAN ID

partner_cluster

Partner cluster information.

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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