



Manage MetroCluster DR groups

ONTAP 9.8 REST API reference

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Manage MetroCluster DR groups

Cluster MetroCluster dr-groups endpoint overview

Overview

You can use this API to retrieve and display relevant information pertaining to MetroCluster DR groups. The `/cluster/metrocluster/dr_groups` endpoint returns a list of all the `dr_groups` configured in MetroCluster and their status. Each individual `dr_group` can be queried individually using the `/cluster/metrocluster/dr_groups/{dr_group.id}` endpoint.

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
<code>partner_cluster.name</code>	string	query	False	Filter by <code>partner_cluster.name</code>
<code>partner_cluster.uuid</code>	string	query	False	Filter by <code>partner_cluster.uuid</code>
<code>id</code>	integer	query	False	Filter by <code>id</code>
<code>dr_pairs.partner.name</code>	string	query	False	Filter by <code>dr_pairs.partner.name</code>
<code>dr_pairs.node.name</code>	string	query	False	Filter by <code>dr_pairs.node.name</code>
<code>fields</code>	array[string]	query	False	Specify the fields to return.
<code>max_records</code>	integer	query	False	Limit the number of records returned.

Name	Type	In	Required	Description
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"> • 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. <ul style="list-style-type: none"> • 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": [
    {
      "dr_pairs": [
        {
          "node": {
            "name": "nodeA"
          },
          "partner": {
            "name": "nodeB"
          }
        }
      ],
      "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	

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_pair

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

_links

Name	Type	Description
self	href	

partner_cluster

Partner cluster information.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

metrocluster_dr_group

DR group information.

Name	Type	Description
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
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.

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"> • Default value: 1 • Max value: 120 • Min value: 0
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"> • Default value:

Request Body

Name	Type	Description
dr_pairs	array[dr_pair]	
id	integer	DR Group ID

Name	Type	Description
partner_cluster	partner_cluster	Partner cluster information.

Example request

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

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

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_pair

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

href

Name	Type	Description
href	string	

_links

Name	Type	Description
self	href	

partner_cluster

Partner cluster information.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

metrocluster_dr_group

DR group information.

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

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.

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	<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">• 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, 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	

_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
dr_pairs	array[dr_pair]	
id	integer	DR Group ID
partner_cluster	partner_cluster	Partner cluster information.

Example response

```
{
  "dr_pairs": [
    {
      "node": {
        "name": "nodeA"
      },
      "partner": {
        "name": "nodeB"
      }
    }
  ],
  "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

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_pair

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

href

Name	Type	Description
href	string	

_links

Name	Type	Description
self	href	

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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