



# **Retrieve MetroCluster node configurations**

## **ONTAP 9.10.1 REST API Documentation**

NetApp  
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# Retrieve MetroCluster node configurations

## Cluster MetroCluster nodes endpoint overview

### Overview

Retrieves the configuration information for the nodes in the MetroCluster configuration.

### Example

```
GET https://<mgmt-ip>/api/cluster/metrocluster/nodes
{
  "records": [
    {
      "dr_group_id": 1,
      "cluster": {
        "name": "cluster1",
        "uuid": "8f77de32-9857-11e9-9a55-005056828eb9",
        "_links": {
          "self": {
            "href": "/api/cluster/8f77de32-9857-11e9-9a55-005056828eb9"
          }
        }
      },
      "node": {
        "name": "cluster1_01",
        "uuid": "46147363-9857-11e9-9a55-005056828eb9",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/46147363-9857-11e9-9a55-005056828eb9"
          }
        }
      },
      "dr_mirroring_state": "enabled",
      "configuration_state": "configured",
      "_links": {
        "self": {
          "href": "/api/cluster/metrocluster/nodes/46147363-9857-11e9-9a55-005056828eb9"
        }
      }
    },
  ]
}
```

```

{
  "dr_group_id": 1,
  "cluster": {
    "name": "cluster1",
    "uuid": "8f77de32-9857-11e9-9a55-005056828eb9",
    "_links": {
      "self": {
        "href": "/api/cluster/8f77de32-9857-11e9-9a55-005056828eb9"
      }
    }
  },
  "node": {
    "name": "cluster1_02",
    "uuid": "cf1dc67f-9857-11e9-bf80-005056829db6",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/cf1dc67f-9857-11e9-bf80-005056829db6"
      }
    }
  },
  "dr_mirroring_state": "enabled",
  "configuration_state": "configured",
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster/nodes/cf1dc67f-9857-11e9-bf80-005056829db6"
    }
  }
},
{
  "dr_group_id": 1,
  "cluster": {
    "name": "cluster3",
    "uuid": "aa8aa15a-9857-11e9-80c9-00505682e684",
    "_links": {
      "self": {
        "href": "/api/cluster/aa8aa15a-9857-11e9-80c9-00505682e684"
      }
    }
  },
  "node": {
    "name": "cluster3_01",
    "uuid": "5b3b983b-9857-11e9-80c9-00505682e684",

```

```

        "_links": {
            "self": {
                "href": "/api/cluster/nodes/5b3b983b-9857-11e9-80c9-00505682e684"
            }
        },
        "dr_mirroring_state": "enabled",
        "configuration_state": "configured",
        "_links": {
            "self": {
                "href": "/api/cluster/metrocluster/nodes/5b3b983b-9857-11e9-80c9-00505682e684"
            }
        },
        {
            "dr_group_id": 1,
            "cluster": {
                "name": "cluster3",
                "uuid": "aa8aa15a-9857-11e9-80c9-00505682e684",
                "_links": {
                    "self": {
                        "href": "/api/cluster/aa8aa15a-9857-11e9-80c9-00505682e684"
                    }
                }
            },
            "node": {
                "name": "cluster3_02",
                "uuid": "45bff538-9858-11e9-a624-005056820377",
                "_links": {
                    "self": {
                        "href": "/api/cluster/nodes/45bff538-9858-11e9-a624-005056820377"
                    }
                }
            },
            "dr_mirroring_state": "enabled",
            "configuration_state": "configured",
            "_links": {
                "self": {
                    "href": "/api/cluster/metrocluster/nodes/45bff538-9858-11e9-a624-005056820377"
                }
            }
        }
    }

```

```

    }
  ],
  "num_records": 4,
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster/nodes?fields=%2A"
    }
  }
}

```

## Retrieve MetroCluster nodes and configurations

GET /cluster/metrocluster/nodes

**Introduced In:** 9.8

Retrieves MetroCluster nodes and their configurations.

### Related ONTAP Commands

- `metrocluster node show`

### Learn more

- [DOC /cluster/metrocluster/nodes](#)

### Parameters

Name	Type	In	Required	Description
configuration_state	string	query	False	Filter by configuration_state
dr_group_id	integer	query	False	Filter by dr_group_id
automatic_uso	boolean	query	False	Filter by automatic_uso <ul style="list-style-type: none"> <li>• Introduced in: 9.9</li> </ul>
node.uuid	string	query	False	Filter by node.uuid
node.name	string	query	False	Filter by node.name

Name	Type	In	Required	Description
cluster.name	string	query	False	Filter by cluster.name
cluster.uuid	string	query	False	Filter by cluster.uuid
dr_operation_state	string	query	False	Filter by dr_operation_state <ul style="list-style-type: none"> <li>• Introduced in: 9.9</li> </ul>
dr_mirroring_state	string	query	False	Filter by dr_mirroring_state
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. <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>

Name	Type	In	Required	Description
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">collection_links</a>	
num_records	integer	Number of Records
records	array[ <a href="#">metrocluster_node</a> ]	



## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "configuration_state": "unreachable",
    "dr_group_id": 0,
    "dr_mirroring_state": "enabled",
    "dr_operation_state": "normal",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "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.

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	

collection\_links

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

self\_link

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

\_links

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

cluster

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

node

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

metrocluster\_node

Data for a node in a MetroCluster. REST: /api/cluster/metrocluster/nodes

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

Name	Type	Description
automatic_uso	boolean	Specifies if automatic unplanned switchover is enabled.
cluster	<a href="#">cluster</a>	
configuration_state	string	Configuration state of the node.
dr_group_id	integer	DR Group ID.
dr_mirroring_state	string	State of the DR mirroring configuration.
dr_operation_state	string	State of the DR operation.
node	<a href="#">node</a>	

#### 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.

## Retrieve the node configuration in MetroCluster

GET /cluster/metrocluster/nodes/{node.uuid}

**Introduced In:** 9.8

Retrieves the node configuration in the MetroCluster.

## Related ONTAP Commands

- `metrocluster node show`

## Parameters

Name	Type	In	Required	Description
node.uuid	string	path	True	Node UUID
fields	array[string]	query	False	Specify the fields to return.

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">self_link</a>	
automatic_uso	boolean	Specifies if automatic unplanned switchover is enabled.
cluster	<a href="#">cluster</a>	
configuration_state	string	Configuration state of the node.
dr_group_id	integer	DR Group ID.
dr_mirroring_state	string	State of the DR mirroring configuration.
dr_operation_state	string	State of the DR operation.
node	<a href="#">node</a>	

## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "configuration_state": "unreachable",
  "dr_group_id": 0,
  "dr_mirroring_state": "enabled",
  "dr_operation_state": "normal",
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "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.

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>	

\_links

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

cluster

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

node

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

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.

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