Retrieve MetroCluster node configurations

REST API reference

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Retrieve MetroCluster node configurations

Retrieve MetroCluster node configurations

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"
                  }
              }
          },
          "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"
                  }
              }
          },
          "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/peers/aa8aa15a-9857-11e9-80c9-
00505682e684/cluster"
                  }
              }
          },
          "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/peers/aa8aa15a-9857-11e9-80c9-
00505682e684/cluster"
                }
            }
        },
        "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
is_mccip	boolean	query	False	Filter by is_mccip • Introduced in: 9.12
dr_group_id	integer	query	False	Filter by dr_group_id
dr_partner.uuid	string	query	False	Filter by dr_partner.uuid • Introduced in: 9.12
dr_partner.system_id	string	query	False	Filter by dr_partner.system_id • Introduced in: 9.12

Name	Type	In	Required	Description
dr_partner.name	string	query	False	Filter by dr_partner.name • Introduced in: 9.12
dr_mirroring_state	string	query	False	Filter by dr_mirroring_state
ha_partner.uuid	string	query	False	Filter by ha_partner.uuid • Introduced in: 9.12
ha_partner.system_id	string	query	False	Filter by ha_partner.system_id • Introduced in: 9.12
ha_partner.name	string	query	False	Filter by ha_partner.name • Introduced in: 9.12
encryption_enabled	boolean	query	False	Filter by encryption_enabled • Introduced in: 9.15
dr_partner_cluster.name	string	query	False	Filter by dr_partner_cluster.name • Introduced in: 9.12
dr_partner_cluster.uuid	string	query	False	Filter by dr_partner_cluster.uuid • Introduced in: 9.12

Name	Type	In	Required	Description
limit_enforcement	string	query	False	Filter by limit_enforcement • Introduced in: 9.12
configuration_state	string	query	False	Filter by configuration_state
node.uuid	string	query	False	Filter by node.uuid
node.system_id	string	query	False	Filter by node.system_id • Introduced in: 9.12
node.name	string	query	False	Filter by node.name
dr_auxiliary_partner.uuid	string	query	False	Filter by dr_auxiliary_partner.uuid • Introduced in: 9.12
dr_auxiliary_partner.system_id	string	query	False	Filter by dr_auxiliary_partner.system_id • Introduced in: 9.12
dr_auxiliary_partner.name	string	query	False	Filter by dr_auxiliary_partner.name • Introduced in: 9.12
automatic_uso	boolean	query	False	Filter by automatic_uso • Introduced in: 9.9

Name	Type	In	Required	Description
dr_auxiliary_cluster.name	string	query	False	Filter by dr_auxiliary_cluster.name • Introduced in: 9.12
dr_auxiliary_cluster.uuid	string	query	False	Filter by dr_auxiliary_cluster.uuid • Introduced in: 9.12
cluster.name	string	query	False	Filter by cluster.name
cluster.uuid	string	query	False	Filter by cluster.uuid
ha_partner_cluster.name	string	query	False	Filter by ha_partner_cluster.name • Introduced in: 9.12
ha_partner_cluster.uuid	string	query	False	Filter by ha_partner_cluster.uuid • Introduced in: 9.12
dr_operation_state	string	query	False	Filter by dr_operation_state • Introduced in: 9.9
fields	array[string]	query	False	Specify the fields to return.
max_records	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. • 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: 15 • 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_node]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "cluster": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "cluster1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "configuration_state": "string",
      "dr_auxiliary_cluster": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "cluster1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "dr_auxiliary_partner": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "system_id": "string",
```

```
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "dr_group_id": 0,
    "dr_mirroring_state": "string",
    "dr_operation_state": "string",
    "dr_partner": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "system_id": "string",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "dr_partner_cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "ha_partner": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "system_id": "string",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "ha_partner_cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "limit_enforcement": "string",
    "node": {
      "_links": {
```

```
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "system_id": "string",
        "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.

Also see the table of common errors in the Response body overview section of this documentation.

Name	Type	Description
error	returned_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	

cluster

Name	Type	Description
_links	_links	
name	string	
uuid	string	

dr_auxiliary_cluster

DR AUX cluster.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

dr_auxiliary_partner

AUX partner node.

Name	Type	Description
_links	self_link	
name	string	
system_id	string	
uuid	string	

dr_partner

DR partner node.

Name	Type	Description
_links	self_link	
name	string	
system_id	string	
uuid	string	

dr_partner_cluster

DR partner cluster.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

ha_partner

HA partner node.

Name	Type	Description
_links	self_link	
name	string	
system_id	string	
uuid	string	

ha_partner_cluster

HA partner cluster.

Name	Type	Description
_links	_links	
name	string	

Name	Type	Description
uuid	string	

node

Name	Type	Description
_links	self_link	
name	string	
system_id	string	
uuid	string	

metrocluster_node

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

Name	Type	Description
_links	self_link	
automatic_uso	boolean	Specifies if automatic unplanned switchover is enabled.
cluster	cluster	
configuration_state	string	Configuration state of the node.
dr_auxiliary_cluster	dr_auxiliary_cluster	DR AUX cluster.
dr_auxiliary_partner	dr_auxiliary_partner	AUX partner 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.
dr_partner	dr_partner	DR partner node.
dr_partner_cluster	dr_partner_cluster	DR partner cluster.
encryption_enabled	boolean	Indicates if the encryption for NVLog and storage traffic is enabled.
ha_partner	ha_partner	HA partner node.

Name	Type	Description
ha_partner_cluster	ha_partner_cluster	HA partner cluster.
is_mccip	boolean	Indicates whether the configuration type is MCC-IP.
limit_enforcement	string	Indicates if the node object limits are enforced.
node	node	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_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 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	self_link	
automatic_uso	boolean	Specifies if automatic unplanned switchover is enabled.
cluster	cluster	
configuration_state	string	Configuration state of the node.
dr_auxiliary_cluster	dr_auxiliary_cluster	DR AUX cluster.
dr_auxiliary_partner	dr_auxiliary_partner	AUX partner 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.
dr_partner	dr_partner	DR partner node.
dr_partner_cluster	dr_partner_cluster	DR partner cluster.
encryption_enabled	boolean	Indicates if the encryption for NVLog and storage traffic is enabled.
ha_partner	ha_partner	HA partner node.
ha_partner_cluster	ha_partner_cluster	HA partner cluster.

Name	Type	Description
is_mccip	boolean	Indicates whether the configuration type is MCC-IP.
limit_enforcement	string	Indicates if the node object limits are enforced.
node	node	

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "configuration_state": "string",
  "dr_auxiliary_cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "dr_auxiliary_partner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "system_id": "string",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "dr_group_id": 0,
  "dr_mirroring_state": "string",
  "dr_operation_state": "string",
  "dr_partner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
```

```
    "name": "node1",
    "system_id": "string",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "dr_partner_cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "ha_partner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "system_id": "string",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "ha_partner_cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "limit_enforcement": "string",
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "system_id": "string",
    "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.

Also see the table of common errors in the Response body overview section of this documentation.

Name	Type	Description
error	returned_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	

cluster

Name	Type	Description
_links	_links	
name	string	
uuid	string	

dr_auxiliary_cluster

DR AUX cluster.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

dr_auxiliary_partner

AUX partner node.

Name	Type	Description
_links	self_link	
name	string	
system_id	string	
uuid	string	

dr_partner

DR partner node.

Name	Type	Description
_links	self_link	
name	string	
system_id	string	
uuid	string	

dr_partner_cluster

DR partner cluster.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

ha_partner

HA partner node.

Name	Type	Description
_links	self_link	
name	string	
system_id	string	
uuid	string	

ha_partner_cluster

HA partner cluster.

Name	Type	Description
_links	_links	
name	string	
uuid	string	

node

Name	Type	Description
_links	self_link	
name	string	
system_id	string	

Name	Type	Description
uuid	string	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_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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