Retrieve MetroCluster node configurations

REST API reference

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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
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

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

Name	Type	In	Required	Description
dr_partner.system_id	string	query	False	Filter by dr_partner.system_id • Introduced in: 9.12
dr_group_id	integer	query	False	Filter by dr_group_id
dr_operation_state	string	query	False	Filter by dr_operation_state • Introduced in: 9.9
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_auxiliary_partner.name	string	query	False	Filter by dr_auxiliary_partner.name • Introduced in: 9.12
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

Name	Type	In	Required	Description
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
ha_partner.name	string	query	False	Filter by ha_partner.name • Introduced in: 9.12
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
cluster.name	string	query	False	Filter by cluster.name
cluster.uuid	string	query	False	Filter by cluster.uuid
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: 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	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.

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	

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.
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	

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 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.
ha_partner	ha_partner	HA partner node.
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.

Name	Type	Description
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.

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	

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

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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