



Retrieve MetroCluster node configurations

ONTAP 9.15.1 REST API reference

NetApp
September 11, 2024

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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"
          }
        }
      },
      "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 |
|--------------------|---------|-------|----------|---|
| dr_group_id | integer | query | False | Filter by dr_group_id |
| dr_operation_state | string | query | False | Filter by dr_operation_state <ul style="list-style-type: none">• Introduced in: 9.9 |
| dr_mirroring_state | string | query | False | Filter by dr_mirroring_state |
| is_mccip | boolean | query | False | Filter by is_mccip <ul style="list-style-type: none">• Introduced in: 9.12 |

| Name | Type | In | Required | Description |
|-------------------------|---------|-------|----------|--|
| node.system_id | string | query | False | Filter by node.system_id • Introduced in: 9.12 |
| node.name | string | query | False | Filter by node.name |
| node.uuid | string | query | False | Filter by node.uuid |
| 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 |
| dr_partner.system_id | string | query | False | Filter by dr_partner.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 |
|---------------------------|--------|-------|----------|--|
| configuration_state | string | query | False | Filter by configuration_state |
| 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 |
| 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 |
| limit_enforcement | string | query | False | Filter by limit_enforcement • 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 |

| Name | Type | In | Required | Description |
|--------------------------------|---------------|-------|----------|---|
| ha_partner.uuid | string | query | False | Filter by ha_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 |
| dr_auxiliary_partner.uuid | string | query | False | Filter by dr_auxiliary_partner.uuid • Introduced in: 9.12 |
| automatic_uso | boolean | query | False | Filter by automatic_uso • Introduced in: 9.9 |
| 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. <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 | 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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