



# 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<br><br>• Introduced in: 9.9 |
| 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<br><br>• Introduced in: 9.9   |
| 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.<br><br>• 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.<br><br>• Default value: 1<br>• Max value: 120<br>• Min value: 0 |

| 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 | 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 | <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 |



| <b>Name</b> | <b>Type</b> | <b>Description</b>                          |
|-------------|-------------|---|
| code        | string      | Error code                                  |
| message     | string      | Error message                               |
| target      | string      | The target parameter that caused the error. |

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