



# Retrieve MetroCluster node configurations

ONTAP 9.8 REST API reference

NetApp  
April 02, 2024

# Table of Contents

- Retrieve MetroCluster node configurations ..... 1
  - Cluster MetroCluster nodes endpoint overview ..... 1
  - Retrieve MetroCluster nodes and configurations ..... 4
  - Retrieve a node configuration in MetroCluster ..... 10

# 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                   |
|---------------------|---------|-------|----------|-------------------------------|
| node.name           | string  | query | False    | Filter by node.name           |
| node.uuid           | string  | query | False    | Filter by node.uuid           |
| cluster.name        | string  | query | False    | Filter by cluster.name        |
| cluster.uuid        | string  | query | False    | Filter by cluster.uuid        |
| configuration_state | string  | query | False    | Filter by configuration_state |
| dr_group_id         | integer | query | False    | Filter by dr_group_id         |

| Name               | Type          | In    | Required | Description   |
|--------------------|---------------|-------|----------|---|
| 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> |
| 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> |             |

| Name        | Type                                       | Description       |
|-------------|--|-------------------|
| 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",
    "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                              |
|---------------------|-------------------------|--|
| 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. |
| 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 a 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> |  |
| 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. |
| 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",
  "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. |

## Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

## Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.