



View and update MetroCluster interconnects

ONTAP 9.8 REST API reference

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View and update MetroCluster interconnects

Cluster MetroCluster interconnects endpoint overview

Overview

You can use this API to retrieve and display relevant information pertaining to MetroCluster interconnect status. The `/cluster/metrocluster/interconnects` endpoint returns a list of all the interconnects in MetroCluster and their status. Each individual interconnect can be queried individually using the `/cluster/metrocluster/interconnects/{node.uuid}/{partner_type}/{adapter}` endpoint.

Examples

Retrieving MetroCluster interconnects

```
GET https://<mgmt-ip>/api/cluster/metrocluster/interconnects
{
  "records": [
    {
      "node": {
        "name": "cluster1_01",
        "uuid": "6fead8fe-8d81-11e9-b5a9-005056826931",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/6fead8fe-8d81-11e9-b5a9-005056826931"
          }
        }
      },
      "partner_type": "ha",
      "adapter": "e0f",
      "_links": {
        "self": {
          "href": "/api/cluster/metrocluster/interconnects/6fead8fe-8d81-11e9-b5a9-005056826931/ha/e0f"
        }
      }
    },
    {
      "node": {
        "name": "cluster1_01",
        "uuid": "6fead8fe-8d81-11e9-b5a9-005056826931",
        "_links": {
```

```

        "self": {
            "href": "/api/cluster/nodes/6fead8fe-8d81-11e9-b5a9-005056826931"
        }
    },
    "partner_type": "ha",
    "adapter": "e0g",
    "_links": {
        "self": {
            "href":
"/api/cluster/metrocluster/interconnects/6fead8fe-8d81-11e9-b5a9-005056826931/ha/e0g"
        }
    }
},
{
    "node": {
        "name": "cluster1_01",
        "uuid": "6fead8fe-8d81-11e9-b5a9-005056826931",
        "_links": {
            "self": {
                "href": "/api/cluster/nodes/6fead8fe-8d81-11e9-b5a9-005056826931"
            }
        }
    },
    "partner_type": "dr",
    "adapter": "e0f",
    "_links": {
        "self": {
            "href":
"/api/cluster/metrocluster/interconnects/6fead8fe-8d81-11e9-b5a9-005056826931/dr/e0f"
        }
    }
},
{
    "node": {
        "name": "cluster1_01",
        "uuid": "6fead8fe-8d81-11e9-b5a9-005056826931",
        "_links": {
            "self": {
                "href": "/api/cluster/nodes/6fead8fe-8d81-11e9-b5a9-005056826931"
            }
        }
    }
}

```

```

    }
  },
  "partner_type": "dr",
  "adapter": "e0g",
  "_links": {
    "self": {
      "href":
"/api/cluster/metrocluster/interconnects/6fead8fe-8d81-11e9-b5a9-
005056826931/dr/e0g"
    }
  }
},
{
  "node": {
    "name": "cluster1_01",
    "uuid": "6fead8fe-8d81-11e9-b5a9-005056826931",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/6fead8fe-8d81-11e9-b5a9-
005056826931"
      }
    }
  },
  "partner_type": "aux",
  "adapter": "e0f",
  "_links": {
    "self": {
      "href":
"/api/cluster/metrocluster/interconnects/6fead8fe-8d81-11e9-b5a9-
005056826931/aux/e0f"
    }
  }
},
{
  "node": {
    "name": "cluster1_01",
    "uuid": "6fead8fe-8d81-11e9-b5a9-005056826931",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/6fead8fe-8d81-11e9-b5a9-
005056826931"
      }
    }
  },
  "partner_type": "aux",
  "adapter": "e0g",

```

```

    "_links": {
      "self": {
        "href":
"/api/cluster/metrocluster/interconnects/6fead8fe-8d81-11e9-b5a9-
005056826931/aux/e0g"
      }
    },
    {
      "node": {
        "name": "cluster1_02",
        "uuid": "f5435191-8d81-11e9-9d4b-00505682dc8b",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/f5435191-8d81-11e9-9d4b-
00505682dc8b"
          }
        }
      },
      "partner_type": "ha",
      "adapter": "e0f",
      "_links": {
        "self": {
          "href":
"/api/cluster/metrocluster/interconnects/f5435191-8d81-11e9-9d4b-
00505682dc8b/ha/e0f"
        }
      }
    },
    {
      "node": {
        "name": "cluster1_02",
        "uuid": "f5435191-8d81-11e9-9d4b-00505682dc8b",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/f5435191-8d81-11e9-9d4b-
00505682dc8b"
          }
        }
      },
      "partner_type": "ha",
      "adapter": "e0g",
      "_links": {
        "self": {
          "href":
"/api/cluster/metrocluster/interconnects/f5435191-8d81-11e9-9d4b-

```

```

00505682dc8b/ha/e0g"
    }
  },
  {
    "node": {
      "name": "cluster1_02",
      "uuid": "f5435191-8d81-11e9-9d4b-00505682dc8b",
      "_links": {
        "self": {
          "href": "/api/cluster/nodes/f5435191-8d81-11e9-9d4b-
00505682dc8b"
        }
      }
    },
    "partner_type": "dr",
    "adapter": "e0f",
    "_links": {
      "self": {
        "href":
"/api/cluster/metrocluster/interconnects/f5435191-8d81-11e9-9d4b-
00505682dc8b/dr/e0f"
      }
    }
  },
  {
    "node": {
      "name": "cluster1_02",
      "uuid": "f5435191-8d81-11e9-9d4b-00505682dc8b",
      "_links": {
        "self": {
          "href": "/api/cluster/nodes/f5435191-8d81-11e9-9d4b-
00505682dc8b"
        }
      }
    },
    "partner_type": "dr",
    "adapter": "e0g",
    "_links": {
      "self": {
        "href":
"/api/cluster/metrocluster/interconnects/f5435191-8d81-11e9-9d4b-
00505682dc8b/dr/e0g"
      }
    }
  },

```

```

    {
      "node": {
        "name": "cluster1_02",
        "uuid": "f5435191-8d81-11e9-9d4b-00505682dc8b",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/f5435191-8d81-11e9-9d4b-
00505682dc8b"
          }
        }
      },
      "partner_type": "aux",
      "adapter": "e0f",
      "_links": {
        "self": {
          "href":
"/api/cluster/metrocluster/interconnects/f5435191-8d81-11e9-9d4b-
00505682dc8b/aux/e0f"
        }
      }
    },
    {
      "node": {
        "name": "cluster1_02",
        "uuid": "f5435191-8d81-11e9-9d4b-00505682dc8b",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/f5435191-8d81-11e9-9d4b-
00505682dc8b"
          }
        }
      },
      "partner_type": "aux",
      "adapter": "e0g",
      "_links": {
        "self": {
          "href":
"/api/cluster/metrocluster/interconnects/f5435191-8d81-11e9-9d4b-
00505682dc8b/aux/e0g"
        }
      }
    }
  ],
  "num_records": 12,
  "_links": {
    "self": {

```



```
        "href": "/api/cluster/metrocluster/interconnects"
    }
}
}
```

Retrieves information about a specific MetroCluster interconnect

```
https://<mgmt-ip>/api/cluster/metrocluster/interconnects/774b4fbc-86f9-11e9-9051-005056825c71/aux/e0f
{
  "node": {
    "name": "cluster1_01",
    "uuid": "46147363-9857-11e9-9a55-005056828eb9",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/46147363-9857-11e9-9a55-005056828eb9"
      }
    }
  },
  "partner_type": "ha",
  "adapter": "e0f",
  "state": "up",
  "type": "iwarp",
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster/interconnects/46147363-9857-11e9-9a55-005056828eb9/ha/e0f"
    }
  }
}
```

Retrieve interconnect adapter information for nodes in MetroCluster

GET /cluster/metrocluster/interconnects

Introduced In: 9.8

Retrieves a list of interconnect adapter information for nodes in the MetroCluster.

Related ONTAP Commands

- metrocluster interconnect show

Learn more

- [DOC /cluster/metrocluster/interconnects](#)

Parameters

Name	Type	In	Required	Description
node.name	string	query	False	Filter by node.name
node.uuid	string	query	False	Filter by node.uuid
partner_type	string	query	False	Filter by partner_type
adapter	string	query	False	Filter by adapter
state	string	query	False	Filter by state
type	string	query	False	Filter by type
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">• Default value: 1

Name	Type	In	Required	Description
return_timeout	integer	query	False	<p>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.</p> <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_interconnect]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "adapter": "string",
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "partner_type": "string",
      "state": "string",
      "type": "string"
    }
  ]
}
```

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.
2427132	MetroCluster is not configured on this cluster.

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	

node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

metrocluster_interconnect

Data for a MetroCluster interconnect. REST: /api/cluster/metrocluster/interconnects

Name	Type	Description
_links	self_link	
adapter	string	Adapter
node	node	
partner_type	string	Partner type
state	string	Adapter status

Name	Type	Description
type	string	Adapter type

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 information about a MetroCluster interconnect for a partner type and adapter

GET /cluster/metrocluster/interconnects/{node.uuid}/{partner_type}/{adapter}

Introduced In: 9.8

Retrieves information about a MetroCluster Interconnect for a specific partner type and adapter.

Related ONTAP Commands

- `metrocluster interconnect show`

Parameters

Name	Type	In	Required	Description
node.uuid	string	path	True	Node UUID
partner_type	string	path	True	DR Partner type

Name	Type	In	Required	Description
adapter	string	path	True	Interconnect adapter.
fields	array[string]	query	False	Specify the fields to return.

Response

Status: 200, Ok

Name	Type	Description
_links	self_link	
adapter	string	Adapter
node	node	
partner_type	string	Partner type
state	string	Adapter status
type	string	Adapter type

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "adapter": "string",
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "partner_type": "string",
  "state": "string",
  "type": "string"
}
```

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.
2427132	MetroCluster is not configured on this cluster.

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	

node

Name	Type	Description
_links	_links	
name	string	
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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