



# Display MetroCluster diagnostics

ONTAP 9.13.1 REST API reference

NetApp  
April 02, 2024

# Table of Contents

- Display MetroCluster diagnostics ..... 1
  - Cluster MetroCluster diagnostics endpoint overview ..... 1
  - Retrieve diagnostic operation results for a MetroCluster configuration ..... 11
  - Start MetroCluster diagnostics or set up a periodic diagnostic schedule ..... 25

# Display MetroCluster diagnostics

## Cluster MetroCluster diagnostics endpoint overview

### Overview

You can use this API to initiate a MetroCluster diagnostics operation and fetch the results of a completed diagnostics operation on a MetroCluster over IP configuration. The GET operation retrieves the results of a completed diagnostics operation for the MetroCluster over IP configuration. These can include the overall high level and details for the checks done for different components. By default, the response does not include the details. If the `fields` query is used in the request, the response will include the details. The POST request can be used to start a MetroCluster diagnostics operation or set up a schedule for the diagnostics to be run periodically.

### Details

Details provide a way to view all the checks done on a component and the result of each check. The details of the checks are not included in the response by default. In order to fetch the details, use the `fields` query parameter.

- `node.details`
- `aggregate.details`
- `cluster.details`

### Starting a MetroCluster diagnostics operation

A new MetroCluster diagnostics operation can be started by issuing a POST to `/cluster/metrocluster/diagnostics`. There are no extra parameters required to initiate a diagnostics operation.

### Polling the POST job for status of diagnostics operation

After a successful POST `/cluster/diagnostics` operation is issued, an HTTP status code of 202 (Accepted) is returned along with a job UUID and a link in the body of the response. The POST job continues asynchronously and can be monitored by using the job UUID and the `/cluster/jobs` API. The "message" field in the response of the GET `/cluster/jobs/{uuid}` request shows the current step in the job, and the "state" field shows the overall state of the job.

---

## Examples

### Running the diagnostics operation

This example shows the POST request for starting a diagnostic operation for a MetroCluster over IP configuration and the responses returned:

```
#API
/api/cluster/metrocluster/diagnostics
```

## POST Request

```
curl -X POST https://<mgmt-ip>/api/cluster/metrocluster/diagnostics
```

## POST Response

```
HTTP/1.1 202 Accepted
Date: Tue, 22 Sep 2020 17:20:53 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Location: /api/cluster/metrocluster/diagnostics
Content-Length: 189
Content-Type: application/hal+json
{
  "job": {
    "uuid": "f7d3804c-fcf7-11ea-acaf-005056bb47c1",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/f7d3804c-fcf7-11ea-acaf-005056bb47c1"
      }
    }
  }
}
```

## Monitoring the job progress

Use the link provided in the response to the POST request to fetch information for the diagnostics operation job.

## Request

```
curl -X GET https://<mgmt-ip>/api/cluster/jobs/f7d3804c-fcf7-11ea-acaf-005056bb47c1
```

## Job status response

```
HTTP/1.1 202 Accepted
Date: Tue, 22 Sep 2020 17:21:12 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 345
Content-Type: application/hal+json
{
  "uuid": "f7d3804c-fcf7-11ea-acaf-005056bb47c1",
  "description": "POST /api/cluster/metrocluster/diagnostics",
  "state": "running",
  "message": "Checking nodes...",
  "code": 2432853,
  "start_time": "2020-09-22T13:20:53-04:00",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/f7d3804c-fcf7-11ea-acaf-005056bb47c1"
    }
  }
}
```

#### Final status of the diagnostics job

```
HTTP/1.1 202 Accepted
Date: Tue, 22 Sep 2020 17:29:04 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 372
Content-Type: application/hal+json
{
  "uuid": "f7d3804c-fcf7-11ea-acaf-005056bb47c1",
  "description": "POST /api/cluster/metrocluster/diagnostics",
  "state": "success",
  "message": "success",
  "code": 0,
  "start_time": "2020-09-22T13:20:53-04:00",
  "end_time": "2020-09-22T13:22:04-04:00",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/f7d3804c-fcf7-11ea-acaf-005056bb47c1"
    }
  }
}
```

## Retrieving the diagnostics operation

### Request

```
curl -X GET https://<mgmt-ip>/api/cluster/metrocluster/diagnostics
```

### Response

```
HTTP/1.1 202 Accepted
Date: Tue, 22 Sep 2020 18:04:28 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 1005
Content-Type: application/hal+json
{
  "node": {
    "timestamp": "2020-09-22T13:47:01-04:00",
    "state": "ok",
    "summary": {
      "message": ""
    }
  },
  "interface": {
    "timestamp": "2020-09-22T13:47:01-04:00",
    "state": "ok",
    "summary": {
      "message": ""
    }
  },
  "aggregate": {
    "timestamp": "2020-09-22T13:47:01-04:00",
    "state": "ok",
    "summary": {
      "message": ""
    }
  },
  "cluster": {
    "timestamp": "2020-09-22T13:47:01-04:00",
    "state": "ok",
    "summary": {
      "message": ""
    }
  },
  "connection": {
```

```

    "timestamp": "2020-09-22T13:47:01-04:00",
    "state": "ok",
    "summary": {
      "message": ""
    }
  },
  "volume": {
    "timestamp": "2020-09-22T13:47:01-04:00",
    "state": "ok",
    "summary": {
      "message": ""
    }
  },
  "config_replication": {
    "timestamp": "2020-09-22T13:47:01-04:00",
    "state": "ok",
    "summary": {
      "message": ""
    }
  },
  "_links": {
    "self": {
      "href": "/api/cluster/metrocluster/diagnostics"
    }
  }
}

```

## Retrieving check details for the node component

### Request

```

curl -X GET https://<mgmt-
ip>/api/cluster/metrocluster/diagnostics?fields=node.details

```

### Response

```

HTTP/1.1 200 OK
Date: Thu, 10 Feb 2022 00:05:12 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 4506
Content-Type: application/hal+json
{
  "node": {

```

```
"details": [
  {
    "node": {
      "uuid": "11111111-1111-1111-1111-111111111111",
      "name": "node1",
      "_links": {
        "self": {
          "href": "/api/cluster/nodes/11111111-1111-1111-1111-111111111111"
        }
      }
    },
    "cluster": {
      "uuid": "12121212-1212-1212-1212-121212121212",
      "name": "clusterA",
      "_links": {
        "self": {
          "href": "/api/cluster/12121212-1212-1212-1212-121212121212"
        }
      }
    },
    "timestamp": "2022-02-09T18:47:00-05:00",
    "checks": [
      {
        "name": "node_reachable",
        "result": "ok"
      },
      {
        "name": "metrocluster_ready",
        "result": "ok"
      },
      {
        "name": "local_ha_partner",
        "result": "ok"
      },
      {
        "name": "ha_mirroring_on",
        "result": "ok"
      },
      {
        "name": "ha_mirroring_op_state",
        "result": "ok"
      },
      {
        "name": "symmetric_ha_relationship",
        "result": "ok"
      }
    ]
  }
]
```



```

    },
    {
      "name": "remote_dr_partner",
      "result": "ok"
    },
    {
      "name": "dr_mirroring_on",
      "result": "ok"
    },
    {
      "name": "dr_mirroring_op_state",
      "result": "ok"
    },
    {
      "name": "symmetric_dr_relationship",
      "result": "ok"
    },
    {
      "name": "remote_dr_auxiliary_partner",
      "result": "ok"
    },
    {
      "name": "symmetric_dr_auxiliary_relationship",
      "result": "ok"
    },
    {
      "name": "storage_failover_enabled",
      "result": "ok"
    },
    {
      "name": "has_intercluster_lif",
      "result": "ok"
    },
    {
      "name": "node_object_limit",
      "result": "ok"
    },
    {
      "name": "automatic_uso",
      "result": "ok"
    }
  ]
},
{
  "node": {
    "uuid": "22222222-2222-2222-2222-222222222222",

```

```
"name": "node2",
  "_links": {
    "self": {
      "href": "/api/cluster/nodes/22222222-2222-2222-2222-222222222222"
    }
  }
},
"cluster": {
  "uuid": "23232323-2323-2323-2323-232323232323",
  "name": "clusterB",
  "_links": {
    "self": {
      "href": "/api/cluster/23232323-2323-2323-2323-232323232323"
    }
  }
},
"timestamp": "2022-02-09T18:47:00-05:00",
"checks": [
  {
    "name": "node_reachable",
    "result": "ok"
  },
  {
    "name": "metrocluster_ready",
    "result": "ok"
  },
  {
    "name": "local_ha_partner",
    "result": "ok"
  },
  {
    "name": "ha_mirroring_on",
    "result": "ok"
  },
  {
    "name": "ha_mirroring_op_state",
    "result": "ok"
  },
  {
    "name": "symmetric_ha_relationship",
    "result": "ok"
  },
  {
    "name": "remote_dr_partner",
    "result": "ok"
  }
]
```

```

    },
    {
      "name": "dr_mirroring_on",
      "result": "ok"
    },
    {
      "name": "dr_mirroring_op_state",
      "result": "ok"
    },
    {
      "name": "symmetric_dr_relationship",
      "result": "ok"
    },
    {
      "name": "remote_dr_auxiliary_partner",
      "result": "ok"
    },
    {
      "name": "symmetric_dr_auxiliary_relationship",
      "result": "ok"
    },
    {
      "name": "storage_failover_enabled",
      "result": "ok"
    },
    {
      "name": "has_intercluster_lif",
      "result": "ok"
    },
    {
      "name": "node_object_limit",
      "result": "ok"
    },
    {
      "name": "automatic_uso",
      "result": "ok"
    }
  ]
}
]
},
"_links": {
  "self": {
    "href": "/api/cluster/metrocluster/diagnostics"
  }
}
}

```

```
}
```

## Retrieving check details for the volume component

### Request

```
curl -X GET https://<mgmt-  
ip>/api/cluster/metrocluster/diagnostics?fields=volume.details
```

### Response

```
HTTP/1.1 200 OK  
Cache-Control: no-cache,no-store,must-revalidate  
Connection: close  
Date: Fri, 08 Apr 2022 20:07:38 GMT  
Server: libzapid-httpd  
Vary: Accept-Encoding  
Content-Length: 928  
Content-Type: application/hal+json  
Client-Date: Fri, 08 Apr 2022 20:07:42 GMT  
Client-Peer: 172.21.138.189:443  
Client-Response-Num: 1  
Client-SSL-Cert-Issuer: /CN=sti75-vsimg-ucs180f0e_siteA/C=US  
Client-SSL-Cert-Subject: /CN=sti75-vsimg-ucs180f0e_siteA/C=US  
Client-SSL-Cipher: ECDHE-RSA-AES256-GCM-SHA384  
Client-SSL-Socket-Class: IO::Socket::SSL  
Client-SSL-Warning: Peer certificate not verified  
Content-Security-Policy: default-src 'self'; script-src 'self' 'unsafe-  
inline'; style-src 'self' 'unsafe-inline'; img-src 'self' data:; frame-  
ancestors: 'self'  
X-Content-Type-Options: nosniff  
{  
  "volume": {  
    "details": [  
      {  
        "checks": [  
          {  
            "name": "unmirrored_flexgroups",  
            "result": "ok",  
          }  
        ]  
      },  
      {  
        "checks": [  
          {
```

```

        "name": "mixed_flexgroups",
        "result": "ok",
      }
    ]
  }
},
"_links": {
  "self": {
    "href": "/api/cluster/metrocluster/diagnostics"
  }
}
}

```

### Related ONTAP Commands

- `metrocluster check run`
- `metrocluster check show`
- `metrocluster check node show`
- `metrocluster check aggregate show`
- `metrocluster check cluster show`

## Retrieve diagnostic operation results for a MetroCluster configuration

GET `/cluster/metrocluster/diagnostics`

**Introduced In:** 9.8

Retrieves the results of a completed diagnostic operation for the MetroCluster configuration.

### Parameters

Name	Type	In	Required	Description
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.

### Response

Status: 200, Ok

<b>Name</b>	<b>Type</b>	<b>Description</b>
aggregate	aggregate	
cluster	cluster	
config-replication	config-replication	
connection	connection	
interface	interface	
node	node	
volume	volume	

## Example response

```
{
  "aggregate": {
    "details": {
      "aggregate": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "aggr1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "checks": {
        "additional_info": {
          "code": "string",
          "message": "string"
        },
        "name": "mirrror_status",
        "result": "ok"
      },
      "cluster": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "cluster1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "timestamp": "2016-03-10 22:35:16 +0000",
      "volume": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        }
      }
    }
  }
}
```

```

    },
    "name": "volume1",
    "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
  }
},
"state": "ok",
"summary": {
  "code": "string",
  "message": "string"
},
"timestamp": "2016-03-10 22:35:16 +0000"
},
"cluster": {
  "details": {
    "aggregate": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "aggr1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "checks": {
      "additional_info": {
        "code": "string",
        "message": "string"
      },
      "name": "mirror_status",
      "result": "ok"
    },
    "cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      }
    }
  },

```



```

    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "timestamp": "2016-03-10 22:35:16 +0000",
  "volume": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "volume1",
    "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
  }
},
"state": "ok",
"summary": {
  "code": "string",
  "message": "string"
},
"timestamp": "2016-03-10 22:35:16 +0000"
},
"config-replication": {
  "state": "ok",
  "summary": {
    "code": "string",
    "message": "string"
  },
  "timestamp": "2016-03-14 22:35:16 +0000"
},
"connection": {
  "details": {
    "cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "connections": {
    "destination_address": "string",
    "partner": {
      "node": {
        "_links": {
          "self": {

```

```

        "href": "/api/resourcelink"
    },
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"type": "ha"
},
"port": "string",
"result": "ok",
"source_address": "string",
"state": "disconnected"
},
"node": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "node1",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
},
"state": "ok",
"summary": {
  "code": "string",
  "message": "string"
},
"timestamp": "2016-03-10 22:35:16 +0000"
},
"interface": {
  "state": "ok",
  "summary": {
    "code": "string",
    "message": "string"
  },
  "timestamp": "2016-03-10 22:35:16 +0000"
},
"node": {
  "details": {
    "aggregate": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      }
    }
  },

```

```
    "name": "aggr1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "checks": {
    "additional_info": {
      "code": "string",
      "message": "string"
    },
    "name": "mirror_status",
    "result": "ok"
  },
  "cluster": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "timestamp": "2016-03-10 22:35:16 +0000",
  "volume": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "volume1",
    "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
  }
},
"state": "ok",
"summary": {
  "code": "string",
  "message": "string"
},
"timestamp": "2016-03-10 22:35:16 +0000"
```

```

},
"volume": {
  "details": {
    "aggregate": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "aggr1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "checks": {
      "additional_info": {
        "code": "string",
        "message": "string"
      },
      "name": "mirrror_status",
      "result": "ok"
    },
    "cluster": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "timestamp": "2016-03-10 22:35:16 +0000",
    "volume": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "volumel",

```

```
    "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
  }
},
"state": "ok",
"summary": {
  "code": "string",
  "message": "string"
},
"timestamp": "2016-03-10 22:35:16 +0000"
}
}
```

## 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.
2432856	MetroCluster diagnostics result is not available. Use the REST API GET method on <code>/api/cluster/metrocluster/operations?type=check&amp;fields=*</code> for more information.

## Definitions

## See Definitions

href

Name	Type	Description
href	string	

\_links

Name	Type	Description
self	<a href="#">href</a>	

aggregate

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

additional\_info

Additional information or recovery steps to take on this component.

Name	Type	Description
code	string	Argument code
message	string	Message argument

metrocluster\_diag\_check

Generic object which can be used for various components which holds details of the checks of a component.

Name	Type	Description
additional_info	<a href="#">additional_info</a>	Additional information or recovery steps to take on this component.
name	string	Name of type of diagnostic operation run for the component.
result	string	Result of the diagnostic operation on this component.

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	

volume

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the volume.
uuid	string	<p>Unique identifier for the volume. This corresponds to the instance-uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move.</p> <ul style="list-style-type: none"> <li>• example: 028baa66-41bd-11e9-81d5-00a0986138f7</li> <li>• Introduced in: 9.6</li> <li>• x-nullable: true</li> </ul>

metrocluster\_diag\_details

Name	Type	Description
aggregate	<a href="#">aggregate</a>	
checks	array[ <a href="#">metrocluster_diag_check</a> ]	Collection of MetroCluster checks done for component.
cluster	<a href="#">cluster</a>	
node	<a href="#">node</a>	
timestamp	string	Time check was done.
volume	<a href="#">volume</a>	

summary

Additional information or recovery steps to take.

Name	Type	Description
code	string	Argument code
message	string	Message argument

aggregate

Name	Type	Description
details	array[ <a href="#">metrocluster_diag_details</a> ]	Display details of the MetroCluster check for aggregates.
state	string	Status of diagnostic operation for this component.
summary	<a href="#">summary</a>	Additional information or recovery steps to take.
timestamp	string	Time of the most recent diagnostic operation for this component

cluster

Name	Type	Description
details	array[ <a href="#">metrocluster_diag_details</a> ]	Display details of the MetroCluster check for clusters.
state	string	Status of diagnostic operation for this component.
summary	<a href="#">summary</a>	Additional information or recovery steps to take.
timestamp	string	Time of the most recent diagnostic operation for this component

config-replication



Name	Type	Description
state	string	Status of diagnostic operation for this component.
summary	<a href="#">summary</a>	Additional information or recovery steps to take.
timestamp	string	Time of the most recent diagnostic operation for this component

#### partner

Name	Type	Description
node	<a href="#">node</a>	
type	string	

#### metrocluster\_diag\_connection

Name	Type	Description
destination_address	string	
partner	<a href="#">partner</a>	
port	string	
result	string	Result of the diagnostic operation on this component.
source_address	string	
state	string	

#### metrocluster\_diag\_connection\_details

Name	Type	Description
cluster	<a href="#">cluster</a>	
connections	array[ <a href="#">metrocluster_diag_connection</a> ]	
node	<a href="#">node</a>	

#### connection

Name	Type	Description
details	array[ <a href="#">metrocluster_diag_connecti on_details</a> ]	Display details of the MetroCluster check for connections.
state	string	Status of diagnostic operation for this component.
summary	<a href="#">summary</a>	Additional information or recovery steps to take.
timestamp	string	Time of the most recent diagnostic operation for this component

#### interface

Name	Type	Description
state	string	Status of diagnostic operation for this component.
summary	<a href="#">summary</a>	Additional information or recovery steps to take.
timestamp	string	Time of the most recent diagnostic operation for this component

#### node

Name	Type	Description
details	array[ <a href="#">metrocluster_diag_details</a> ]	Displays details of the MetroCluster check for nodes.
state	string	Status of diagnostic operation for this component.
summary	<a href="#">summary</a>	Additional information or recovery steps to take.
timestamp	string	Time of the most recent diagnostic operation for this component

#### volume

Name	Type	Description
details	array[ <a href="#">metrocluster_diag_details</a> ]	Display details of the MetroCluster check for volumes.
state	string	Status of diagnostic operation for this component.
summary	<a href="#">summary</a>	Additional information or recovery steps to take.
timestamp	string	Time of the most recent diagnostic operation for this component

## Start MetroCluster diagnostics or set up a periodic diagnostic schedule

POST `/cluster/metrocluster/diagnostics`

Introduced In: 9.8

Start a MetroCluster diagnostic operation or set up a schedule for the diagnostics to be run periodically.

### Parameters

Name	Type	In	Required	Description
schedule	integer	query	False	Shows the minutes of every hour when a job runs. Setting this parameter schedules the periodic job to be run to perform MetroCluster diagnostic.

Name	Type	In	Required	Description
return_timeout	integer	query	False	<p>The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>

## Response

Status: 202, Accepted

Name	Type	Description
job	<a href="#">job_link</a>	

## Example response

```
{
  "job": {
    "_links": {
      "self": {
        "href": "/api/resourceLink"
      }
    },
    "uuid": "string"
  }
}
```

## Headers

Name	Description	Type
Location	Useful for tracking the resource location	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.
2432833	Operation is already running.
2432852	MetroCluster diagnostics start
2432853	MetroCluster diagnostics job scheduled
2432854	MetroCluster diagnostics complete
2432855	MetroCluster diagnostics operation failed. Use the REST API GET method on <code>/api/cluster/metrocluster/operations?type=check&amp;fields=*</code> for more information.

## Definitions

### See Definitions

href

Name	Type	Description
href	string	

\_links

Name	Type	Description
self	<a href="#">href</a>	

job\_link

Name	Type	Description
_links	<a href="#">_links</a>	
uuid	string	The UUID of the asynchronous job that is triggered by a POST, PATCH, or DELETE operation.

## 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.