



Manage FlexCache connection status

REST API reference

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Table of Contents

- Manage FlexCache connection status 1
 - Manage FlexCache connection status 1
 - Overview 1
 - FlexCache APIs 1
 - Examples 1
 - Retrieve connection status between cache and origin volumes 7
 - Related ONTAP commands 7
 - Learn more 8
 - Parameters 8
 - Response 9
 - Error 10
 - Definitions 11
 - Retrieve connection status between a cache and origin volume 13
 - Related ONTAP commands 13
 - Learn more 14
 - Parameters 14
 - Response 14
 - Error 15
 - Definitions 16

Manage FlexCache connection status

Manage FlexCache connection status

Overview

FlexCache is a persistent cache of an origin volume.

FlexCache supports fan-out and more than one FlexCache can be created from one origin volume. This API retrieves the connection status between cache and origin volumes.

FlexCache APIs

The following APIs can be used to perform operations related to FlexCache connection status:

– GET /api/storage/flexcache/connection-status

– GET /api/storage/flexcache/connection-status/{node}/{svm}/{local_fg_msid}/{remote_svm_uuid}/{remote_vol_const_msid}

Examples

Retrieving flexcache connection-status of all volumes.

The GET request is used to retrieve connection-status between all origins and their corresponding FlexCache volumes.

```
# The API:
/api/storage/flexcache/connection-status

# The call:
curl -X GET "https://<mgmt-ip>/api/storage/flexcache/connection-status?"
-H "accept: application/json"

# The response:
{
  "records": [
    {
      "node": "sti42-vsim-ucs511b",
      "svm": "vs0",
      "local_fg_msid": 2150359768,
      "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
      "remote_vol_const_msid": 2150359767,
      "_links": {
        "self": {
          "href": "/api/storage/flexcache/connection-status/sti42-vsim-ucs511b/vs0/2150359768/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359767"
        }
      }
    }
  ]
}
```

```

    }
  },
  {
    "node": "sti42-vsim-ucs511d",
    "svm": "vs0",
    "local_fg_msid": 2150359768,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
    "remote_vol_const_msid": 2150359767,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-ucs511d/vs0/2150359768/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359767"
      }
    }
  },
  {
    "node": "sti42-vsim-ucs511c",
    "svm": "vs0",
    "local_fg_msid": 2150359767,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
    "remote_vol_const_msid": 2150359769,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359769"
      }
    }
  },
  {
    "node": "sti42-vsim-ucs511c",
    "svm": "vs0",
    "local_fg_msid": 2150359767,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
    "remote_vol_const_msid": 2150359770,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359770"
      }
    }
  },
  {
    "node": "sti42-vsim-ucs511c",
    "svm": "vs0",
    "local_fg_msid": 2150359767,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",

```

```

    "remote_vol_const_msid": 2150359771,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-
ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359771"
      }
    }
  },
  {
    "node": "sti42-vsim-ucs511c",
    "svm": "vs0",
    "local_fg_msid": 2150359767,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
    "remote_vol_const_msid": 2150359772,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-
ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359772"
      }
    }
  },
  {
    "node": "sti42-vsim-ucs511c",
    "svm": "vs0",
    "local_fg_msid": 2150359767,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
    "remote_vol_const_msid": 2150359773,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-
ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359773"
      }
    }
  },
  {
    "node": "sti42-vsim-ucs511c",
    "svm": "vs0",
    "local_fg_msid": 2150359767,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
    "remote_vol_const_msid": 2150359774,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-
ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359774"
      }
    }
  }
}

```

```

    },
    {
      "node": "sti42-vsim-ucs511c",
      "svm": "vs0",
      "local_fg_msid": 2150359767,
      "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd8",
      "remote_vol_const_msid": 2150359775,
      "_links": {
        "self": {
          "href": "/api/storage/flexcache/connection-status/sti42-vsim-ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd8/2150359775"
        }
      }
    },
    {
      "node": "sti42-vsim-ucs511c",
      "svm": "vs0",
      "local_fg_msid": 2150359767,
      "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd8",
      "remote_vol_const_msid": 2150359776,
      "_links": {
        "self": {
          "href": "/api/storage/flexcache/connection-status/sti42-vsim-ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd8/2150359776"
        }
      }
    },
    {
      "node": "sti42-vsim-ucs511c",
      "svm": "vs0",
      "local_fg_msid": 2150359767,
      "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd8",
      "remote_vol_const_msid": 2150359777,
      "_links": {
        "self": {
          "href": "/api/storage/flexcache/connection-status/sti42-vsim-ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd8/2150359777"
        }
      }
    },
    {
      "node": "sti42-vsim-ucs511c",
      "svm": "vs0",
      "local_fg_msid": 2150359767,
      "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd8",
      "remote_vol_const_msid": 2150359778,

```

```

    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-
ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359778"
      }
    }
  },
  {
    "node": "sti42-vsim-ucs511c",
    "svm": "vs0",
    "local_fg_msid": 2150359767,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
    "remote_vol_const_msid": 2150359779,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-
ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359779"
      }
    }
  },
  {
    "node": "sti42-vsim-ucs511c",
    "svm": "vs0",
    "local_fg_msid": 2150359767,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
    "remote_vol_const_msid": 2150359780,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-
ucs511c/vs0/2150359767/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359780"
      }
    }
  },
  {
    "node": "sti42-vsim-ucs511c",
    "svm": "vs0",
    "local_fg_msid": 2150359768,
    "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
    "remote_vol_const_msid": 2150359767,
    "_links": {
      "self": {
        "href": "/api/storage/flexcache/connection-status/sti42-vsim-
ucs511c/vs0/2150359768/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359767"
      }
    }
  },
},

```

```

{
  "node": "sti42-vsim-ucs511a",
  "svm": "vs0",
  "local_fg_msid": 2150359768,
  "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd8",
  "remote_vol_const_msid": 2150359767,
  "_links": {
    "self": {
      "href": "/api/storage/flexcache/connection-status/sti42-vsim-ucs511a/vs0/2150359768/a9161fea-73a0-11f0-85c5-005056a7bcd8/2150359767"
    }
  }
},
{
  "num_records": 16,
  "_links": {
    "self": {
      "href": "/api/storage/flexcache/connection-status/"
    }
  }
}

```

Retrieving a single flexcache connection status

The GET request is used to retrieve a specific connection status between 2 volumes.

```
# The API:
/api/storage/flexcache/connection-
status/{node}/{svm}/{local_fg_msid}/{remote_svm_uuid}/{remote_vol_const_ms
id}

# The call:
curl -X GET "https://<mgmt-ip>/api/storage/flexcache/connection-
status/sti42-vsim-ucs511c/vs0/2150359768/a9161fea-73a0-11f0-85c5-
005056a7bcd5/2150359767?" -H "accept: application/json"

# The response:
{
  "node": "sti42-vsim-ucs511c",
  "svm": "vs0",
  "local_fg_msid": 2150359768,
  "remote_svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
  "remote_vol_const_msid": 2150359767,
  "svm_uuid": "a9161fea-73a0-11f0-85c5-005056a7bcd5",
  "volume": "fc0",
  "remote_svm": "vs0",
  "remote_volume": "vol0",
  "remote_cluster": "C1_sti42-vsim-ucs511a_1754576895",
  "conn_state": "connected",
  "remote_endpoint": "origin",
  "last_update_time": "2025-08-07T11:39:31-04:00",
  "_links": {
    "self": {
      "href": "/api/storage/flexcache/connection-status/sti42-vsim-
ucs511c/vs0/2150359768/a9161fea-73a0-11f0-85c5-005056a7bcd5/2150359767"
    }
  }
}
```

Retrieve connection status between cache and origin volumes

GET /storage/flexcache/connection-status

Introduced In: 9.18

Retrieves attributes of the connection status between cache and origin volumes.

Related ONTAP commands

- volume flexcache connection-status show

Learn more

- [DOC /storage/flexcache/connection-status](#) Retrieves origin of FlexCache in the cluster.

Parameters

Name	Type	In	Required	Description
local_fg_msid	integer	query	False	Filter by local_fg_msid
remote_vol_const_msid	integer	query	False	Filter by remote_vol_const_msid
node	string	query	False	Filter by node
remote_endpoint	string	query	False	Filter by remote_endpoint
remote_svm_uuid	string	query	False	Filter by remote_svm_uuid
last_update_time	string	query	False	Filter by last_update_time
svm	string	query	False	Filter by svm
remote_cluster	string	query	False	Filter by remote_cluster
svm_uuid	string	query	False	Filter by svm_uuid
conn_state	string	query	False	Filter by conn_state
volume	string	query	False	Filter by volume
remote_volume	string	query	False	Filter by remote_volume
remote_svm	string	query	False	Filter by remote_svm
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. • 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. • Default value: 15 • 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[connection_status]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "conn_state": "string",
      "last_update_time": "2018-06-04 19:00:00 +0000",
      "local_fg_msid": 0,
      "node": "string",
      "remote_cluster": "string",
      "remote_endpoint": "string",
      "remote_svm": "string",
      "remote_svm_uuid": "string",
      "remote_vol_const_msid": 0,
      "remote_volume": "string",
      "svm": "string",
      "svm_uuid": "string",
      "volume": "string"
    }
  ]
}
```

Error

Status: Default, Error

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	

connection_status

FlexCache Connection Status Endpoint

Name	Type	Description
_links	self_link	
conn_state	string	Connection Status between the Flexcache and Origin volumes.
last_update_time	string	Last update time of the connection status.
local_fg_msid	integer	The local volume's Master Set ID.
node	string	Name of the node.
remote_cluster	string	Remote cluster.
remote_endpoint	string	Remote endpoint type.
remote_svm	string	Remote volume SVM.
remote_svm_uuid	string	Remote SVM UUID.
remote_vol_const_msid	integer	Remote volume's Master Set ID.

Name	Type	Description
remote_volume	string	Remote Volume name.
svm	string	Volume SVM.
svm_uuid	string	Local SVM UUID.
volume	string	Local Volume name.

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 connection status between a cache and origin volume

```
GET /storage/flexcache/connection-
status/{node}/{svm}/{local_fg_msid}/{remote_svm_uuid}/{remote_vol_const_msid}
```

Introduced In: 9.18

Retrieves connection status between a cache and origin volume.

Related ONTAP commands

- `volume flexcache connection-status show`

Learn more

- [DOC /storage/flexcache/connection-status](#)

Parameters

Name	Type	In	Required	Description
node	string	path	True	Node Name
svm	string	path	True	SVM Name
local_fg_msid	integer	path	True	Local FG MSID
remote_svm_uuid	string	path	True	Remote SVM UUID
remote_vol_const_msid	integer	path	True	Remote Constituent MSID
fields	array[string]	query	False	Specify the fields to return.

Response

Status: 200, Ok

Name	Type	Description
_links	self_link	
conn_state	string	Connection Status between the Flexcache and Origin volumes.
last_update_time	string	Last update time of the connection status.
local_fg_msid	integer	The local volume's Master Set ID.
node	string	Name of the node.
remote_cluster	string	Remote cluster.
remote_endpoint	string	Remote endpoint type.
remote_svm	string	Remote volume SVM.

Name	Type	Description
remote_svm_uuid	string	Remote SVM UUID.
remote_vol_const_msid	integer	Remote volume's Master Set ID.
remote_volume	string	Remote Volume name.
svm	string	Volume SVM.
svm_uuid	string	Local SVM UUID.
volume	string	Local Volume name.

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "conn_state": "string",
  "last_update_time": "2018-06-04 19:00:00 +0000",
  "local_fg_msid": 0,
  "node": "string",
  "remote_cluster": "string",
  "remote_endpoint": "string",
  "remote_svm": "string",
  "remote_svm_uuid": "string",
  "remote_vol_const_msid": 0,
  "remote_volume": "string",
  "svm": "string",
  "svm_uuid": "string",
  "volume": "string"
}
```

Error

Status: Default, Error

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	

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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