View CIFS active file sessions

REST API reference

NetApp
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Overview

ONTAP `cifs sessions file show` functionality is used to provide a list of currently opened files.<h2/>

Information on the open files

- Lists all files opened in current session.

Example

Retrieving established open file information

To retrieve the list of open files, use the following API. Note that *return_records=true*.

```
# The API:
GET /protocols/cifs/session/files

# The call:
curl -X GET "https://<cluster-mgmt-
ip>/api/protocols/cifs/session/files?fields=*&return_timeout=15&return_rec
ords=true" -H "accept: application/json"

# The response:
{
"records": [
                {
                          "node": {
                            "uuid": "a5f65ec0-3550-11ee-93c5-
005056ae78de",
                            "name": "sti220-vsim-sr050u"
                           },
                           "svm": {
                             "name": "vs0",
                             "uuid": "80e795f4-3553-11ee-9f97-
005056ae78de"
                           },
                           "identifier": 109,
                           "connection": {
                             "identifier": 103985,
                             "count": 1
                           },
```

```
                        "session": {
                          "identifier": 10878444899913433090
                        },
                        "type": "regular",
                        "open_mode": "r",
                        "volume": {
                          "uuid": "8384f6ae-3553-11ee-a3c3-
005056ae0dd5",
                          "name": "root_vs0"
                        },
                        "share": {
                          "name": "sh1",
                          "mode": "r"
                        },
                        "path": "first_file.txt",
                        "continuously_available": "no",
                        "range_locks_count": 0
                },
                {
                        "node": {
                          "uuid": "a5f65ec0-3550-11ee-93c5-
005056ae78de",
                          "name": "sti220-vsim-sr050u"
                        },
                        "svm": {
                          "name": "vs0",
                          "uuid": "80e795f4-3553-11ee-9f97-
005056ae78de"
                        },
                        "identifier": 110,
                        "connection": {
                          "identifier": 103985,
                          "count": 1
                        },
                        "session": {
                          "identifier": 10878444899913433090
                        },
                        "type": "regular",
                        "open_mode": "r",
                        "volume": {
                          "uuid": "8384f6ae-3553-11ee-a3c3-
005056ae0dd5",
                          "name": "root_vs0"
                         },
                         "share": {
                           "name": "sh1",
```

```
                                "mode": "r"
                            },
                            "path": "second_file.txt",
                            "continuously_available": "no",
                            "range_locks_count": 0
                        }
                ],
                "num_records": 2
}
```

Retrieving specific open file Information

```
# The API:
GET
/protocols/cifs/session/files/{node.uuid}/{svm.uuid}/{file.identifier}/{co
nnection.identifier}/{session_id}

# The call:
curl -X GET "https://<cluster-mgmt-
ip>/api/protocols/cifs/session/files/a5f65ec0-3550-11ee-93c5-
005056ae78de/80e795f4-3553-11ee-9f97-
005056ae78de/109/103985/10878444899913433090"

# The response:
        {
              "node": {
                "uuid": "a5f65ec0-3550-11ee-93c5-005056ae78de",
                "name": "sti220-vsim-sr050u"
              },
              "svm": {
                "uuid": "80e795f4-3553-11ee-9f97-005056ae78de",
                "name": "vs0"
              },
              "identifier": 109,
              "connection": {
                "identifier": 103985,
                "count": 1
              },
              "session": {
                "identifier": 10878444899913433000
              },
              "type": "regular",
              "open_mode": "r",
              "volume": {
                "uuid": "8384f6ae-3553-11ee-a3c3-005056ae0dd5",
                "name": "root_vs0"
              },
              "share": {
                "name": "sh1",
                "mode": "r"
              },
              "path": "first_file.txt",
              "continuously_available": "no",
              "range_locks_count": 0
        }
```

Closing a specific file based on `file.identifier`, `connection.identifier` and `session_id`

The file being closed is identified by the UUID of its SVM, the corresponding file.identifier, connection.identifier and session_id.

```
# The API:
DELETE
/protocols/cifs/session/files/{node.uuid}/{svm.uuid}/{file.identifier}/{co
nnection.identifier}/{session_id}

# The call:
curl -X DELETE "https://<mgmt-
ip>/api/protocols/cifs/session/files/a5f65ec0-3550-11ee-93c5-
005056ae78de/80e795f4-3553-11ee-9f97-
005056ae78de/109/103985/10878444899913433090" -H "accept:
application/json"
```

Retrieve CIFS open files

GET `/protocols/cifs/session/files`

Introduced In: 9.11

Retrieves the CIFS sessions Open Files information for all SVMs.

Related ONTAP commands

- `vserver cifs session file show`

Learn more

- DOC /protocols/cifs/session/files

Parameters

Name	Type	In	Required	Description
continuously_available	string	query	False	Filter by continuously_available
volume.name	string	query	False	Filter by volume.name

Name	Type	In	Required	Description
volume.uuid	string	query	False	Filter by volume.uuid
share.name	string	query	False	Filter by share.name
share.mode	string	query	False	Filter by share.mode
path	string	query	False	Filter by path
identifier	integer	query	False	Filter by identifier
type	string	query	False	Filter by type
open_mode	string	query	False	Filter by open_mode
node.name	string	query	False	Filter by node.name
node.uuid	string	query	False	Filter by node.uuid
connection.identifier	integer	query	False	Filter by connection.identifier
connection.count	integer	query	False	Filter by connection.count
range_locks_count	integer	query	False	Filter by range_locks_count
session.identifier	integer	query	False	Filter by session.identifier
svm.name	string	query	False	Filter by svm.name
svm.uuid	string	query	False	Filter by svm.uuid
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[cifs_open_file]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "connection": {
        "count": 3,
        "identifier": 356756
      },
      "continuously_available": "no",
      "identifier": 17,
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "open_mode": "r",
      "path": "sub1\\sub2\\f4",
      "range_locks_count": 4,
      "session": {
        "identifier": 8966666858094657537
      },
      "share": {
        "mode": "r",
        "name": "share1"
      },
      "svm": {
        "_links": {
```

```
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "type": "regular",
      "volume": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "volume1",
        "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
      }
    }
  ]
}
```


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

Name	Type	Description
count	integer	The number of CIFS connections associated with the CIFS session.
identifier	integer	The connection that is used to open the file.

_links

Name	Type	Description
self	href	

node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

session

Name	Type	Description
identifier	integer	Session under which file is opened.

share

Name	Type	Description
mode	string	The share mode used to open the file. The share mode can be a combination of: • r: read mode • w: write mode • d: delete • rw: read and write modes • rwd: read, write, and delete modes
name	string	CIFS share name where the file resides.

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

volume

Name	Type	Description
_links	_links	
name	string	The name of the volume. This field cannot be specified in a PATCH method.

Name	Type	Description
uuid	string	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. • example: 028baa66-41bd-11e9-81d5-00a0986138f7 • Introduced in: 9.6 • x-nullable: true

cifs_open_file

Manage opened files over CIFS.

Name	Type	Description
_links	self_link	
connection	connection	
continuously_available	string	The type of continuous availability protection provided to the file. Opened files are continuously available if there are opened through a SMB3 client through a share with "continuously_available" set to yes. These open files are capable of non-disruptively recovering from take over and giveback as well as general aggregate relocation. • no: the open file is not continuously available. • yes: the open file is continuously available.
identifier	integer	The unique identifier for the opened file.
node	node	

Name	Type	Description
open_mode	string	Open mode corresponding to the opened file • r: Opened for read • w: Opened for write • d: Opened for delete • rw: Opened for read and write
path	string	Path from CIFS share.
range_locks_count	integer	The number of range locks granted on the file.
session	session	
share	share	
svm	svm	SVM, applies only to SVM-scoped objects.
type	string	The type of opened file. The file can be a regular file, directory, a symbolic link to an existing file/directory, or an alternate data stream.
volume	volume	

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

Name	Type	Description
target	string	The target parameter that caused the error.

Close open files identified by SVM

DELETE `/protocols/cifs/session/files/{node.uuid}/{svm.uuid}/{identifier}/{connection.identifier}/{session.identifier}`

Introduced In: 9.11

Closes open files identified by svm.uuid, file.identifier, connection.identifier and session_id.

Related ONTAP commands

- `vserver cifs session file close`

Learn more

- DOC /protocols/cifs/session/files

Parameters

Name	Type	In	Required	Description
node.uuid	string	path	True	Node UUID.
identifier	integer	path	True	File ID • format: int64
connection.identifier	integer	path	True	Connection ID
session.identifier	integer	path	True	Session ID • format: int64
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

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

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 a CIFS open file

GET `/protocols/cifs/session/files/{node.uuid}/{svm.uuid}/{identifier}/{connection.identifier}/{session.identifier}`

Introduced In: 9.11

Retrieves specific CIFS session Open Files information.

Learn more

- DOC /protocols/cifs/session/files

Parameters

Name	Type	In	Required	Description
node.uuid	string	path	True	Node UUID.
identifier	integer	path	True	File ID • format: int64

Name	Type	In	Required	Description
connection.identifier	integer	path	True	Connection ID
session.identifier	integer	path	True	Session ID • format: int64
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	self_link	
connection	connection	
continuously_available	string	The type of continuous availability protection provided to the file. Opened files are continuously available if there are opened through a SMB3 client through a share with "continuously_available" set to yes. These open files are capable of non-disruptively recovering from take over and giveback as well as general aggregate relocation. • no: the open file is not continuously available. • yes: the open file is continuously available.
identifier	integer	The unique identifier for the opened file.
node	node	

Name	Type	Description
open_mode	string	Open mode corresponding to the opened file • r: Opened for read • w: Opened for write • d: Opened for delete • rw: Opened for read and write
path	string	Path from CIFS share.
range_locks_count	integer	The number of range locks granted on the file.
session	session	
share	share	
svm	svm	SVM, applies only to SVM-scoped objects.
type	string	The type of opened file. The file can be a regular file, directory, a symbolic link to an existing file/directory, or an alternate data stream.
volume	volume	

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "connection": {
    "count": 3,
    "identifier": 356756
  },
  "continuously_available": "no",
  "identifier": 17,
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "open_mode": "r",
  "path": "sub1\\sub2\\f4",
  "range_locks_count": 4,
  "session": {
    "identifier": 8966666858094657537
  },
  "share": {
    "mode": "r",
    "name": "share1"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "type": "regular",
  "volume": {
    "_links": {
      "self": {
```

```
        "href": "/api/resourcelink"
      }
    },
    "name": "volume1",
    "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
  }
}
```


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	

connection

Name	Type	Description
count	integer	The number of CIFS connections associated with the CIFS session.
identifier	integer	The connection that is used to open the file.

_links

Name	Type	Description
self	href	

node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

session

Name	Type	Description
identifier	integer	Session under which file is opened.

share

Name	Type	Description
mode	string	The share mode used to open the file. The share mode can be a combination of: • r: read mode • w: write mode • d: delete • rw: read and write modes • rwd: read, write, and delete modes
name	string	CIFS share name where the file resides.

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

volume

Name	Type	Description
_links	_links	
name	string	The name of the volume. This field cannot be specified in a PATCH method.

Name	Type	Description
uuid	string	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. • example: 028baa66-41bd-11e9-81d5-00a0986138f7 • Introduced in: 9.6 • x-nullable: true

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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