



## **View CIFS active file sessions**

ONTAP 9.14.1 REST API reference

NetApp  
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# View CIFS active file sessions

## Protocols CIFS session files endpoint overview

### Overview

**ONTAP** `cifs sessions file show` functionality is used to provide a list of currently opened files.

`<mark># Information on the open files * Lists all files opened in current session.`  
`</mark> Example <mark># Retrieving established open file information To retrieve the list of open files, use the following API. Note that`  
`<em>return_records=true</em>. "" <code>` # 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_records=true" -H "accept: application/json" # The response: { "records": [ { "node": { "uuid": "a5f65ec0-3550-11ee-93c5-005056ae78de", "name": "sti220-vsimg-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-vsimg-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 } </code>` "" </mark>#`  
`Retrieving specific open file Information "" <code>` # The API: GET`  
`/protocols/cifs/session/files/{node.uuid}/{svm.uuid}/{file.identifier}/{connection.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-vsimg-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 } </code>` ""`  
`<mark>#</mark> Closing a specific file based on <code>file.identifier</code>, <code>connection.identifier</code> and <code>session_id</code> The file being closed is identified by the UUID of its SVM, the corresponding file.identifier, connection.identifier and session_id. "" <code>` # The API: DELETE`  
`/protocols/cifs/session/files/{node.uuid}/{svm.uuid}/{file.identifier}/{connection.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" </code>` ""</mgmt-ip></cluster-mgmt-ip></cluster-mgmt-ip>`

## Retrieve CIFS open files

GET /protocols/cifs/session/files

Introduced In: 9.11

Retrieves CIFS Open Files

## Parameters

| Name                   | Type    | In    | Required | Description                      |
|------------------------|---------|-------|----------|----------------------------------|
| continuously_available | string  | query | False    | Filter by continuously_available |
| type                   | string  | query | False    | Filter by type                   |
| range_locks_count      | integer | query | False    | Filter by range_locks_count      |
| svm.uuid               | string  | query | False    | Filter by svm.uuid               |
| svm.name               | string  | query | False    | Filter by svm.name               |
| session.identifier     | integer | query | False    | Filter by session.identifier     |
| connection.count       | integer | query | False    | Filter by connection.count       |
| connection.identifier  | integer | query | False    | Filter by connection.identifier  |
| volume.name            | string  | query | False    | Filter by volume.name            |
| 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             |
| open_mode              | string  | query | False    | Filter by open_mode              |
| path                   | string  | query | False    | Filter by path                   |
| identifier             | integer | query | False    | Filter by identifier             |
| node.name              | string  | query | False    | Filter by node.name              |
| node.uuid              | string  | query | False    | Filter by node.uuid              |

| 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.   |
| 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>        |                   |
| num_records | integer                                 | Number of records |
| records     | array[ <a href="#">cifs_open_file</a> ] |                   |

## 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 | <a href="#">returned_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> |             |

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 | <a href="#">href</a> |             |

node

| Name   | Type                   | Description |
|--------|------------------------|-------------|
| _links | <a href="#">_links</a> |             |
| 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: <ul style="list-style-type: none"> <li>• r: read mode</li> <li>• w: write mode</li> <li>• d: delete</li> </ul> |
| name | string | CIFS share name where the file resides.  |

#### svm

SVM, applies only to SVM-scoped objects.

| Name                   | Type                   | Description   |
|------------------------|------------------------|---|
| <a href="#">_links</a> | <a href="#">_links</a> |   |
| 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   |
|------------------------|------------------------|---|
| <a href="#">_links</a> | <a href="#">_links</a> |   |
| name                   | string                 | The name of the volume. This field cannot be specified in a POST or PATCH method. |

| Name | Type   | Description  |
|------|--------|--|
| 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> |

cifs\_open\_file

Manage opened files over CIFS.

| Name                   | Type                       | Description  |
|------------------------|----------------------------|--|
| _links                 | <a href="#">self_link</a>  |  |
| connection             | <a href="#">connection</a> |  |
| continuously_available | string                     | <p>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.</p> <ul style="list-style-type: none"> <li>• no: the open file is not continuously available.</li> <li>• yes: the open file is continuously available.</li> </ul> |
| identifier             | integer                    | The unique identifier for the opened file.   |
| node                   | <a href="#">node</a>       |  |

| Name              | Type                    | Description  |
|-------------------|-------------------------|--|
| open_mode         | string                  | Open mode corresponding to the opened file <ul style="list-style-type: none"> <li>• r: Opened for read</li> <li>• w: Opened for write</li> <li>• d: Opened for Delete</li> </ul> |
| path              | string                  | Path from CIFS share.  |
| range_locks_count | integer                 | The number of range locks granted on the file.   |
| session           | <a href="#">session</a> |  |
| share             | <a href="#">share</a>   |  |
| svm               | <a href="#">svm</a>     | 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            | <a href="#">volume</a>  |  |

#### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

#### returned\_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. |

# 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.

## 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 <ul style="list-style-type: none"><li>• format: int64</li></ul>    |
| connection.identifier | integer       | path  | True     | Connection ID  |
| session.identifier    | integer       | path  | True     | Session ID <ul style="list-style-type: none"><li>• format: int64</li></ul> |
| 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 | <a href="#">returned_error</a> |             |

### 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[ <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 CIFS open file

GET

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

**Introduced In:** 9.11

Retrieves specific CIFS Open File

## Parameters

| Name                  | Type          | In    | Required | Description  |
|-----------------------|---------------|-------|----------|--|
| node.uuid             | string        | path  | True     | Node UUID.   |
| identifier            | integer       | path  | True     | File ID <ul style="list-style-type: none"><li>• format: int64</li></ul>    |
| connection.identifier | integer       | path  | True     | Connection ID  |
| session.identifier    | integer       | path  | True     | Session ID <ul style="list-style-type: none"><li>• format: int64</li></ul> |
| 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     | <a href="#">self_link</a>  |             |
| connection | <a href="#">connection</a> |             |



| Name                   | Type                    | Description  |
|------------------------|-------------------------|--|
| continuously_available | string                  | <p>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.</p> <ul style="list-style-type: none"> <li>• no: the open file is not continuously available.</li> <li>• yes: the open file is continuously available.</li> </ul> |
| identifier             | integer                 | The unique identifier for the opened file.   |
| node                   | <a href="#">node</a>    |  |
| open_mode              | string                  | <p>Open mode corresponding to the opened file</p> <ul style="list-style-type: none"> <li>• r: Opened for read</li> <li>• w: Opened for write</li> <li>• d: Opened for Delete</li> </ul>  |
| path                   | string                  | Path from CIFS share.  |
| range_locks_count      | integer                 | The number of range locks granted on the file.   |
| session                | <a href="#">session</a> |  |
| share                  | <a href="#">share</a>   |  |
| svm                    | <a href="#">svm</a>     | 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                 | <a href="#">volume</a>  |  |

## 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": 896666858094657537
  },
  "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 | <a href="#">returned_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 |             |

self\_link

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

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 | <a href="#">href</a> |             |

node

| Name   | Type                   | Description |
|--------|------------------------|-------------|
| _links | <a href="#">_links</a> |             |
| 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: <ul style="list-style-type: none"> <li>• r: read mode</li> <li>• w: write mode</li> <li>• d: delete</li> </ul> |
| name | string | CIFS share name where the file resides.  |

svm

SVM, applies only to SVM-scoped objects.

| Name                   | Type                   | Description   |
|------------------------|------------------------|---|
| <a href="#">_links</a> | <a href="#">_links</a> |   |
| 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   |
|------------------------|------------------------|---|
| <a href="#">_links</a> | <a href="#">_links</a> |   |
| name                   | string                 | The name of the volume. This field cannot be specified in a POST or PATCH method.   |
| 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. <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> |

### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

### returned\_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. |

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