



## **View CIFS active file sessions**

ONTAP 9.11.1 REST API reference

NetApp  
May 08, 2024

This PDF was generated from [https://docs.netapp.com/us-en/ontap-restapi-9111/ontap/protocols\\_cifs\\_session\\_files\\_endpoint\\_overview.html](https://docs.netapp.com/us-en/ontap-restapi-9111/ontap/protocols_cifs_session_files_endpoint_overview.html) on May 08, 2024. Always check docs.netapp.com for the latest.

# Table of Contents

- View CIFS active file sessions ..... 1
  - Protocols CIFS session files endpoint overview ..... 1
  - Retrieve CIFS open files ..... 2
  - Close open files identified by SVM ..... 11
  - Retrieve a CIFS open file ..... 13

# 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?return\_timeout=15&return\_records=true"  
 -H "accept: application/json" # The response: { "records": [ { "node": { "uuid": "9ea96c65-4411-11ec-b358-005056bbdd2c", "name": "node1" }, "svm": { "uuid": "62234287-4412-11ec-b358-005056bbdd2c", "name": "svm1" }, "file": { "identifier": 24, "type": "regular" }, "connection": { "identifier": 127465, "count": 1 }, "session\_id": 1827054073828868097, "open\_mode": "w", "volume": { "name": "vol1", "uuid": "7a5ef257-52de-11e8-95f4-005056952000" }, "share": { "name": "root", "mode": "rwd" }, "path": "a\\b\\c\\f1", "continuously\_available": "no", "reconnected": "No", "range\_lock\_count": 0 }, { "node": { "uuid": "9ea96c65-4411-11ec-b358-005056bbdd2c", "name": "node2" }, "svm": { "uuid": "62234287-4412-11ec-b358-005056bbdd2c", "name": "svm2" }, "file": { "identifier": 14, "type": "regular" }, "connection": { "identifier": 127465, "count": 1 }, "session\_id": 1827054073828868097, "open\_mode": "r", "volume": { "name": "vol2", "uuid": "7a5ef257-52de-11e8-95f4-005056952000" }, "share": { "name": "root", "mode": "rwd" }, "path": "a\\b\\c\\f2", "continuously\_available": "no", "reconnected": "No", "range\_lock\_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/8d7ef257-52de-11e8-95f4-005056952ecd/b009a9e7-4081-b576-7575-ada21efcaf16/14/82792/4466726405421400095" # The response: { "node": { "uuid": "9ea96c65-4411-11ec-b358-005056bbdd2c", "name": "node1" }, "svm": { "uuid": "62234287-4412-11ec-b358-005056bbdd2c", "name": "svm1" }, "file": { "identifier": 24, "type": "regular" }, "connection": { "identifier": 127465, "count": 1 }, "session\_id": 1827054073828868097, "open\_mode": "r", "volume": { "name": "vol1", "uuid": "7a5ef257-52de-11e8-95f4-005056952000" }, "share": { "name": "root", "mode": "rwd" }, "path": "a\\b\\c\\f1", "continuously\_available": "no", "reconnected": "No", "range\_lock\_count": 0 } </code>` "" <mark>#</mark> Closing a specific file based on <code>file.identifier</code>,<br>
 <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/8d7ef257-52de-11e8-95f4-005056952ecd/b009a9e7-4081-b576-7575-ada21efcaf16/14/82792/4466726405421400095" -H "accept: application/json"<br>
 </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
node.uuid	string	query	False	Filter by node.uuid
node.name	string	query	False	Filter by node.name
session.identifier	integer	query	False	Filter by session.identifier
open_mode	string	query	False	Filter by open_mode
continuously_available	string	query	False	Filter by continuously_available
connection.identifier	integer	query	False	Filter by connection.identifier
connection.count	integer	query	False	Filter by connection.count
identifier	integer	query	False	Filter by identifier
path	string	query	False	Filter by path
type	string	query	False	Filter by type
share.mode	string	query	False	Filter by share.mode
share.name	string	query	False	Filter by share.name
range_locks_count	integer	query	False	Filter by range_locks_count
volume.name	string	query	False	Filter by volume.name
volume.uuid	string	query	False	Filter by volume.uuid
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name

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	<p>The default is true for GET calls. When set to false, only the number of records is returned.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> </ul>
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"> <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"
    }
  },
  "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	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	<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

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

volume

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	The name of the volume.
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> </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>	
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>	

Name	Type	Description
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

#### 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="#">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

#### 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>	
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": 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	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	<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

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

#### volume

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the volume.
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> </ul>

#### error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

## 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.

## 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.