



View NFS connected clients

ONTAP 9.7 REST API reference

NetApp
May 08, 2024

This PDF was generated from https://docs.netapp.com/us-en/ontap-restapi-97/ontap/protocols_nfs_connected-clients_endpoint_overview.html on May 08, 2024. Always check docs.netapp.com for the latest.

Table of Contents

- View NFS connected clients 1
 - Protocols NFS connected-clients endpoint overview 1
 - Retrieve the NFS configuration for an SVM 3

View NFS connected clients

Protocols NFS connected-clients endpoint overview

Overview

ONTAP connected clients show functionality is mainly used to provide a list of currently connected NFS clients. It also provides a potential list of other NFS clients that can be connected but are currently idle.

The following are details of the fields retrieved for the Connected Clients GET API:

node.name: The node name hosting this record; basically the node hosting the "server_ip". node.uuid: The node UUID hosting this record; basically the node hosting the "server_ip". svm.name: The svm name to which the "server_ip" belongs to. svm.uuid: The svm uuid to which the "server_ip" belongs to. server_ip: All clients that are connected to this interface are displayed in rows. client_ip: The IP address of the client that is connected to the interface. volume.name: The name of the volume the client is accessing. volume.uuid: The UUID of the volume the client is accessing. protocol: The NFS protocol version over which client is accessing the volume. idle_duration: The time elapsed since the last request was sent by the client for this volume. local_request_count: A counter that tracks requests that are sent to the volume with fast-path to local node. remote_request_count: A counter that tracks requests that are sent to the volume with slow-path to remote node.

Example

Retrieves connected client information

```
# The API:
GET /protocols/nfs/connected-clients

# The call:
curl -X GET "https://<cluster-mgmt-ip>/api/protocols/nfs/connected-clients?return_timeout=15&return_records=true" -H "accept: application/json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "c642db55-b8d0-11e9-9ad1-0050568e8480",
        "name": "vs1"
      },
      "node": {
        "uuid": "cc282893-b82f-11e9-a3ad-0050568e8480",
        "name": "vsim1"
      },
      "server_ip": "10.140.72.214",
      "client_ip": "10.140.137.57",
```

```

    "volume": {
      "name": "rvol1",
      "uuid": "c6bbc6f2-b8d0-11e9-9ad1-0050568e8480"
    },
    "protocol": "nfs4"
  },
  {
    "svm": {
      "uuid": "c642db55-b8d0-11e9-9ad1-0050568e8480",
      "name": "vs1"
    },
    "node": {
      "uuid": "cc282893-b82f-11e9-a3ad-0050568e8480",
      "name": "vsim1"
    },
    "server_ip": "10.140.72.214",
    "client_ip": "10.140.137.57",
    "volume": {
      "name": "vol1",
      "uuid": "d28d1999-b8d0-11e9-9ad1-0050568e8480"
    },
    "protocol": "nfs3"
  },
  {
    "svm": {
      "uuid": "c642db55-b8d0-11e9-9ad1-0050568e8480",
      "name": "vs1"
    },
    "node": {
      "uuid": "cc282893-b82f-11e9-a3ad-0050568e8480",
      "name": "vsim1"
    },
    "server_ip": "10.140.72.214",
    "client_ip": "10.140.137.57",
    "volume": {
      "name": "vol1",
      "uuid": "d28d1999-b8d0-11e9-9ad1-0050568e8480"
    },
    "protocol": "nfs4"
  }
],
"num_records": 3
}

```

Retrieve the NFS configuration for an SVM

GET /protocols/nfs/connected-clients

Retrieves the NFS configuration of SVMs.

Learn more

- [DOC /protocols/nfs/connected-clients](#)

Parameters

Name	Type	In	Required	Description
node.uuid	string	query	False	Filter by node.uuid
node.name	string	query	False	Filter by node.name
client_ip	string	query	False	Filter by client_ip
server_ip	string	query	False	Filter by server_ip
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
idle_duration	string	query	False	Filter by idle_duration
protocol	string	query	False	Filter by protocol
local_request_count	integer	query	False	Filter by local_request_count
volume.uuid	string	query	False	Filter by volume.uuid
volume.name	string	query	False	Filter by volume.name
remote_request_count	integer	query	False	Filter by remote_request_count
fields	array[string]	query	False	Specify the fields to return.

Name	Type	In	Required	Description
max_records	integer	query	False	Limit the number of records returned.
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.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned.
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
num_records	integer	Number of records
records	array[nfs_clients]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "idle_duration": "P4DT84H30M5S",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "protocol": "nfs3",
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    },
    "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	

_links

Name	Type	Description
next	href	
self	href	

_links

Name	Type	Description
self	href	

node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

svm

Name	Type	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

volume

Name	Type	Description
_links	_links	
name	string	The name of the volume.

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"> example: 028baa66-41bd-11e9-81d5-00a0986138f7

nfs_clients

Name	Type	Description
_links	_links	
client_ip	string	Specifies IP address of the client.
idle_duration	string	Specifies an ISO-8601 format of date and time to retrieve the idle time duration in hours, minutes, and seconds format.
local_request_count	integer	A counter that tracks requests that are sent to the volume with fast-path to local node.
node	node	
protocol	string	<p>The NFS protocol version over which client is accessing the volume. The following values are supported:</p> <ul style="list-style-type: none"> nfs - All NFS versions are considered nfs3 - NFS version 3 protocol nfs4 - NFS version 4 protocol nfs4.1 - NFS version 4 minor version 1 protocol
remote_request_count	integer	A counter that tracks requests that are sent to the volume with slow-path to remote node.
server_ip	string	Specifies the IP address of the server.
svm	svm	

Name	Type	Description
volume	volume	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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.

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.