



View NFS connected clients

ONTAP 9.10.1 REST API Documentation

NetApp
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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. This field is expensive field and will be fetched in advance privilege level. protocol: The NFS protocol version over which client is accessing the volume. export_policy.id: The export policy ID associated with the volume. export_policy.name: The export policy name associated with 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

Introduced In: 9.7

Retrieves the NFS configuration of SVMs.

Expensive properties

export_policy.id is expensive field. It is not included by default in GET results and must be explicitly requested using the `fields` query parameter. See [Requesting specific fields](#) to learn more.

- export_policy.id

Parameters

Name	Type	In	Required	Description
export_policy.name	string	query	False	Filter by export_policy.name <ul style="list-style-type: none">• Introduced in: 9.9
export_policy.id	integer	query	False	Filter by export_policy.id <ul style="list-style-type: none">• Introduced in: 9.9
volume.uuid	string	query	False	Filter by volume.uuid
volume.name	string	query	False	Filter by volume.name
server_ip	string	query	False	Filter by server_ip
node.uuid	string	query	False	Filter by node.uuid
node.name	string	query	False	Filter by node.name
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

Name	Type	In	Required	Description
protocol	string	query	False	Filter by protocol
remote_request_count	integer	query	False	Filter by remote_request_count
local_request_count	integer	query	False	Filter by local_request_count
client_ip	string	query	False	Filter by client_ip
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
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"> • Default value: 1 • Max value: 120 • Min value: 0
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"> • Default value: 1
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"
      }
    },
    "export_policy": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "id": 100,
      "name": "default"
    },
    "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	

export_policy

Export Policy

Name	Type	Description
_links	_links	
id	integer	
name	string	

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.
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 • Introduced in: 9.6

nfs_clients

Name	Type	Description
_links	_links	
client_ip	string	Specifies IP address of the client.
export_policy	export_policy	Export Policy
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

Name	Type	Description
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	
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.

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