



## **View and update NFS client settings**

ONTAP 9.14.1 REST API reference

NetApp  
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# View and update NFS client settings

## Protocols NFS connected-client-settings endpoint overview

### Overview

This cluster-wide API is used to set the maximum cache idle time (`client_retention_interval`) for the connected-clients cache. If a client connected to NFS server is idle for longer than the maximum cache idle time, the entry will be removed. The `update_interval` value will change when the `client_retention_interval` is changed. The update interval represents the interval between the cleaning happens. If the value of `client_retention_interval` is set to 60hrs the connected client entry will stay there for 60 hours and after that it will get removed. If the value of `update_interval` is 8 hours then the cache will be refreshed once every 8 hours.

### Example

#### Retrieves connected-client cache settings information

```
# The API:
GET /api/protocols/nfs/connected-client-settings

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

# The response:
{
  "client_retention_interval": "P7D",
  "update_interval": "PT8H"
}
```

#### Updating connected-client cache settings

```
# The API:
PATCH /api/protocols/nfs/connected-client-settings

# The call:
curl -d "@test_cache_settings_patch.txt" -X PATCH "https://<mgmt-
ip>/api/protocols/nfs/connected-client-settings"
test_cache_settings_patch.txt (body):
{
  "client_retention_interval": "P7D"
}
```

# Retrieve the NFS connected-client cache settings for a cluster

GET /protocols/nfs/connected-client-settings

Introduced In: 9.12

Retrieves the NFS connected-client cache settings of the cluster.

## Parameters

Name	Type	In	Required	Description
enable_nfs_clients_deletion	boolean	query	False	Filter by enable_nfs_clients_deletion
client_retention_interval	string	query	False	Filter by client_retention_interval
update_interval	string	query	False	Filter by update_interval
fields	array[string]	query	False	Specify the fields to return.

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
client_retention_interval	string	The lifetime range of the connected-clients cache. Only intervals in multiples of 12 hours or its equivalent in days, minutes or seconds are supported. The minimum is 12 hours and the maximum is 168 hours or 7 days.

Name	Type	Description
enable_nfs_clients_deletion	boolean	Specifies whether or not NFS Clients deletion is enabled for the connected-clients cache. When set to "true", connected-clients entries are deleted when a connection is closed.
update_interval	string	The time interval between refreshing the connected-clients cache. The minimum is 1 hour and the maximum is 8 hours.

### Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "update_interval": "string"
}
```

### 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	

\_links

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

## Update NFS connected-client cache settings properties

PATCH /protocols/nfs/connected-client-settings

**Introduced In:** 9.12

Updates the properties of the NFS connected-client cache settings.

### Request Body

Name	Type	Description
_links	<a href="#">_links</a>	

Name	Type	Description
client_retention_interval	string	The lifetime range of the connected-clients cache. Only intervals in multiples of 12 hours or its equivalent in days, minutes or seconds are supported. The minimum is 12 hours and the maximum is 168 hours or 7 days.
enable_nfs_clients_deletion	boolean	Specifies whether or not NFS Clients deletion is enabled for the connected-clients cache. When set to "true", connected-clients entries are deleted when a connection is closed.
update_interval	string	The time interval between refreshing the connected-clients cache. The minimum is 1 hour and the maximum is 8 hours.

#### Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "update_interval": "string"
}
```

#### Response

Status: 200, Ok

#### Error

Status: Default

#### ONTAP Error Response Codes



Error Code	Description
3277172	The value for "client_retention_interval" must be between 12 and 168 hours or its equivalent in days, minutes or seconds.

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	

\_links

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

nfs\_clients\_cache

Name	Type	Description
_links	<a href="#">_links</a>	
client_retention_interval	string	The lifetime range of the connected-clients cache. Only intervals in multiples of 12 hours or its equivalent in days, minutes or seconds are supported. The minimum is 12 hours and the maximum is 168 hours or 7 days.
enable_nfs_clients_deletion	boolean	Specifies whether or not NFS Clients deletion is enabled for the connected-clients cache. When set to "true", connected-clients entries are deleted when a connection is closed.
update_interval	string	The time interval between refreshing the connected-clients cache. The minimum is 1 hour and the maximum is 8 hours.

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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