View and update NFS client settings

REST API reference

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View and update NFS client settings

View and update NFS client settings

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 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
client_retention_interval	string	query	False	Filter by client_retention_interval
update_interval	string	query	False	Filter by update_interval
enable_nfs_clients_deletion	boolean	query	False	Filter by enable_nfs_clients_deletion
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
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"
    }
  },
  "client_retention_interval": "string",
  "update_interval": "string"
}
```


Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_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
self	href	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_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.

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
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

```
{
  "client_retention_interval": "string",
  "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.

Error Code	Description
3277170	The "client_retention_interval" must be set to a value which is a multiple of 12 hours or to its equivalent in days, minutes or seconds.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

nfs_clients_cache

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.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code

Name	Type	Description
message	string	Error message
target	string	The target parameter that caused the error.

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