



View and update NFS client settings

ONTAP 9.12.1 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 |
|-----------------------------|---------------|-------|----------|---------------------------------------|
| client_retention_interval | string | query | False | Filter by client_retention_interval |
| enable_nfs_clients_deletion | boolean | query | False | Filter by enable_nfs_clients_deletion |
| 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 | _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"
    }
  }
}
```

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 |
|------|----------------------|-------------|
| self | href | |

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. |

Update the 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 | _links | |

| 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"
    }
  }
}
```

Response

Status: 200, Ok

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 |
|------|----------------------|-------------|
| self | href | |

nfs_clients_cache

| 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. |
| 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 |

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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