Manage global cache settings

REST API reference

NetApp
September 12, 2025

This PDF was generated from https://docs.netapp.com/us-en/ontap-restapi-9131/name-services_cache_setting_endpoint_overview.html on September 12, 2025. Always check docs.netapp.com for the latest.

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Manage global cache settings

Name-services cache setting endpoint overview

Overview

This API is used to retrieve and manage global nameservice cache settings.

Examples

Retrieving a global nameservice cache setting

The following example shows how to use the cache setting GET endpoint to retrieve the global nameservice cache setting.

```
# The API:
GET /api/name-services/cache/setting

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/cache/setting" -H
"accept: application/hal+json"

# The response:
{
"eviction_time_interval": "P2D",
"remote_fetch_enabled": true
}
```

Updating a global nameservice cache setting

The following example shows how to use the cache setting PATCH endpoint to update the global nameservice cache setting.

```
# The API:
PATCH /api/name-services/cache/setting

# The call:
curl -X PATCH "https://<mgmt-ip>/api/name-services/cache/setting" -H
"accept: application/json" -H "Content-Type: application/json" -d "{
\"eviction_time_interval\": \"PT2H\" }"
```

Retrieve a global name service cache setting

GET `/name-services/cache/setting`

Introduced In: 9.11

Retrieves a global nameservice cache setting.

Related ONTAP commands

- `vserver services name-service cache settings show`

Learn more

- DOC /name-services/cache/setting

Parameters

Name	Type	In	Required	Description
eviction_time_interval	string	query	False	Filter by eviction_time_interval
remote_fetch_enabled	boolean	query	False	Filter by remote_fetch_enabled
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned. • Default value: 1

Name	Type	In	Required	Description
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. • Default value: 1 • Max value: 120 • Min value: 0
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
eviction_time_interval	string	Specifies the time interval, in ISO 8601 format after which a periodic cache eviction happens. Default is 4 hours.
remote_fetch_enabled	boolean	Indicates whether or not a node is allowed to fetch the data from a remote node.

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "eviction_time_interval": "PT2H"
}
```


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 a global name service cache setting

PATCH `/name-services/cache/setting`

Introduced In: 9.11

Updates a global nameservice cache setting.

Important notes

- Both the cache eviction time and remote fetch option can be modified.

Related ONTAP commands

- `vserver services name-service cache settings modify`

Learn more

- DOC /name-services/cache/setting

Request Body

Name	Type	Description
eviction_time_interval	string	Specifies the time interval, in ISO 8601 format after which a periodic cache eviction happens. Default is 4 hours.
remote_fetch_enabled	boolean	Indicates whether or not a node is allowed to fetch the data from a remote node.

Example request

```
{
  "eviction_time_interval": "PT2H"
}
```

Response

```
Status: 200, Ok
```

Error

```
Status: Default, Error
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

global_cache_setting

Name	Type	Description
eviction_time_interval	string	Specifies the time interval, in ISO 8601 format after which a periodic cache eviction happens. Default is 4 hours.
remote_fetch_enabled	boolean	Indicates whether or not a node is allowed to fetch the data from a remote node.

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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