



# **Manage netgroup cache settings**

## **REST API reference**

NetApp

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# Manage netgroup cache settings

## Manage netgroup cache settings

### Overview

This API is used to retrieve and manage netgroups cache settings.

### Examples

#### Retrieving a netgroup cache setting

---

The following example shows how to use the cache netgroup settings GET endpoint to retrieve netgroup cache settings.

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

# The call:
curl -X GET "https://<mgmt-ip>/api/name-
services/cache/netgroup/settings?fields=*" -H "accept:
application/hal+json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "8a1a8730-2036-11ec-8457-005056bbcfdb",
        "name": "vs43"
      },
      "enabled": true,
      "negative_cache_enabled_byhost": true,
      "ttl_byhost": "P1D",
      "negative_ttl_byhost": "PT30M",
      "ttl_for_members": "PT30M"
    },
    {
      "svm": {
        "uuid": "dc458b2f-2035-11ec-bfe2-005056bb6bef",
        "name": "vs34"
      },
      "enabled": true,
      "negative_cache_enabled_byhost": true,
      "ttl_byhost": "PT2H",
      "negative_ttl_byhost": "PT30M",
      "ttl_for_members": "PT30M"
    }
  ],
  "num_records": 2
}
```

---

## Retrieving a netgroup cache setting for a given SVM

---

The following example shows how to use the cache netgroup settings GET endpoint to retrieve netgroup cache settings for a given SVM.

```
# The API:
GET /api/name-services/cache/netgroup/settings/{svm.uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/name-
services/cache/netgroup/settings/dc458b2f-2035-11ec-bfe2-005056bb6bef" -H
"accept: application/hal+json"

# The response:
{
  "svm": {
    "uuid": "dc458b2f-2035-11ec-bfe2-005056bb6bef",
    "name": "vs34"
  },
  "enabled": true,
  "negative_cache_enabled_byhost": true,
  "ttl_byhost": "P1D",
  "negative_ttl_byhost": "PT30M",
  "ttl_for_members": "PT30M"
}
```

---

## Updating a netgroup cache setting

---

The following example shows how to use the cache netgroup settings PATCH endpoint to update netgroup cache settings.

```
# The API:
PATCH /api/name-services/cache/netgroup/settings/{svm.uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/name-
services/cache/netgroup/settings/02c9e252-41be-11e9-81d5-00a0986138f9" -H
"accept: application/json" -H "Content-Type: application/json" -d "{
  \"ttl_byhost\": \"PT2H\", \"negative_ttl_byhost\": \"PT2M\" }"
```

---

## Retrieve netgroup cache settings

GET /name-services/cache/netgroup/settings

Introduced In: 9.11

Retrieves netgroups cache settings.

## Related ONTAP commands

- `vserver services name-service cache netgroups settings show`

## Learn more

- [DOC /name-services/cache/netgroup/settings](#)

## Parameters

| Name                          | Type          | In    | Required | Description                                                                                                                                                         |
|-------------------------------|---------------|-------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ttn_for_members               | string        | query | False    | Filter by ttn_for_members                                                                                                                                           |
| svm.name                      | string        | query | False    | Filter by svm.name                                                                                                                                                  |
| svm.uuid                      | string        | query | False    | Filter by svm.uuid                                                                                                                                                  |
| negative_cache_enabled_byhost | boolean       | query | False    | Filter by negative_cache_enabled_byhost                                                                                                                             |
| ttn_byhost                    | string        | query | False    | Filter by ttn_byhost                                                                                                                                                |
| negative_ttn_byhost           | string        | query | False    | Filter by negative_ttn_byhost                                                                                                                                       |
| enabled                       | boolean       | query | False    | Filter by 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.<br><ul style="list-style-type: none"><li>• Default value: 1</li></ul> |

| Name           | Type          | In    | Required | Description                                                                                                                                                                                                                                                                                                                                           |
|----------------|---------------|-------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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"> <li>• Default value: 15</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul> |
| order_by       | array[string] | query | False    | Order results by specified fields and optional [asc                                                                                                                                                                                                                                                                                                   |

## Response

Status: 200, Ok

| Name        | Type                                        | Description        |
|-------------|---------------------------------------------|--------------------|
| _links      | <a href="#">_links</a>                      |                    |
| num_records | integer                                     | Number of records. |
| records     | array[ <a href="#">netgroups_settings</a> ] |                    |

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "negative_ttl_byhost": "PT2M5S",
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "ttl_byhost": "PT24H",
      "ttl_for_members": "PT2M"
    }
  ]
}
```

## 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 |
|------|----------------------|-------------|
| next | <a href="#">href</a> |             |
| self | <a href="#">href</a> |             |

\_links

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

svm

SVM, applies only to SVM-scoped objects.

| Name   | Type                   | Description                                                                         |
|--------|------------------------|-------------------------------------------------------------------------------------|
| _links | <a href="#">_links</a> |                                                                                     |
| name   | string                 | The name of the SVM. This field cannot be specified in a PATCH method.              |
| uuid   | string                 | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

netgroups\_settings

Netgroups cache setting.

| Name                          | Type                   | Description                                             |
|-------------------------------|------------------------|---------------------------------------------------------|
| _links                        | <a href="#">_links</a> |                                                         |
| enabled                       | boolean                | Indicates whether or not the cache is enabled.          |
| negative_cache_enabled_byhost | boolean                | Indicates whether or not the negative cache is enabled. |

| Name                | Type                | Description                                                      |
|---------------------|---------------------|------------------------------------------------------------------|
| negative_ttl_byhost | string              | Specifies negative Time to Live by host, in ISO 8601 format.     |
| svm                 | <a href="#">svm</a> | SVM, applies only to SVM-scoped objects.                         |
| ttl_byhost          | string              | Specifies Time to Live by host, in ISO 8601 format.              |
| ttl_for_members     | string              | Specifies Time to Live for netgroup members, in ISO 8601 format. |

#### 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. |

## Retrieve a netgroup cache setting for an SVM

```
GET /name-services/cache/netgroup/settings/{svm.uuid}
```

**Introduced In:** 9.11

Retrieves a netgroup cache setting for a given SVM.

### Related ONTAP commands

- `vserver services name-service cache netgroups settings show`

## Learn more

- [DOC /name-services/cache/netgroup/settings](#)

## Parameters

| Name                          | Type          | In    | Required | Description                                                                                                                                                         |
|-------------------------------|---------------|-------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| svm.uuid                      | string        | path  | True     | SVM UUID.                                                                                                                                                           |
| ttn_for_members               | string        | query | False    | Filter by ttn_for_members                                                                                                                                           |
| svm.name                      | string        | query | False    | Filter by svm.name                                                                                                                                                  |
| negative_cache_enabled_byhost | boolean       | query | False    | Filter by negative_cache_enabled_byhost                                                                                                                             |
| ttn_byhost                    | string        | query | False    | Filter by ttn_byhost                                                                                                                                                |
| negative_ttn_byhost           | string        | query | False    | Filter by negative_ttn_byhost                                                                                                                                       |
| enabled                       | boolean       | query | False    | Filter by 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.<br><ul style="list-style-type: none"><li>• Default value: 1</li></ul> |

| Name           | Type          | In    | Required | Description                                                                                                                                                                                                                                                                                                                                           |
|----------------|---------------|-------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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"> <li>• Default value: 15</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul> |
| order_by       | array[string] | query | False    | Order results by specified fields and optional [asc                                                                                                                                                                                                                                                                                                   |

## Response

Status: 200, Ok

| Name                          | Type                   | Description                                                  |
|-------------------------------|------------------------|--------------------------------------------------------------|
| _links                        | <a href="#">_links</a> |                                                              |
| enabled                       | boolean                | Indicates whether or not the cache is enabled.               |
| negative_cache_enabled_byhost | boolean                | Indicates whether or not the negative cache is enabled.      |
| negative_ttl_byhost           | string                 | Specifies negative Time to Live by host, in ISO 8601 format. |
| svm                           | <a href="#">svm</a>    | SVM, applies only to SVM-scoped objects.                     |
| ttr_byhost                    | string                 | Specifies Time to Live by host, in ISO 8601 format.          |

| Name            | Type   | Description                                                      |
|-----------------|--------|------------------------------------------------------------------|
| ttl_for_members | string | Specifies Time to Live for netgroup members, in ISO 8601 format. |

### Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "negative_ttl_byhost": "PT2M5S",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "ttl_byhost": "PT24H",
  "ttl_for_members": "PT2M"
}
```

### 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> |             |

svm

SVM, applies only to SVM-scoped objects.

| Name   | Type                   | Description                                                                         |
|--------|------------------------|-------------------------------------------------------------------------------------|
| _links | <a href="#">_links</a> |                                                                                     |
| name   | string                 | The name of the SVM. This field cannot be specified in a PATCH method.              |
| uuid   | string                 | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

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 a netgroup cache setting

PATCH /name-services/cache/netgroup/settings/{svm.uuid}

Introduced In: 9.11

Updates a netgroup cache setting.

## Important notes

- svm.uuid field cannot be empty.
- Returns success in case no values are provided for update.

## Related ONTAP commands

- `vserver services name-service cache netgroups settings modify`

## Learn more

- [DOC /name-services/cache/netgroup/settings](#)

## Parameters

| Name     | Type   | In   | Required | Description |
|----------|--------|------|----------|-------------|
| svm.uuid | string | path | True     | SVM UUID.   |

## Request Body

| Name                          | Type                | Description                                                      |
|-------------------------------|---------------------|------------------------------------------------------------------|
| enabled                       | boolean             | Indicates whether or not the cache is enabled.                   |
| negative_cache_enabled_byhost | boolean             | Indicates whether or not the negative cache is enabled.          |
| negative_ttl_byhost           | string              | Specifies negative Time to Live by host, in ISO 8601 format.     |
| svm                           | <a href="#">svm</a> | SVM, applies only to SVM-scoped objects.                         |
| ttl_byhost                    | string              | Specifies Time to Live by host, in ISO 8601 format.              |
| ttl_for_members               | string              | Specifies Time to Live for netgroup members, in ISO 8601 format. |

## Example request

```
{
  "negative_ttl_byhost": "PT2M5S",
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "ttl_byhost": "PT24H",
  "ttl_for_members": "PT2M"
}
```

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

| Error Code | Description                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23724055   | Internal error. Configuration for Vserver failed. Verify that the cluster is healthy, then try the command again. For further assistance, contact technical support. |

Also see the table of common errors in the [Response body](#) overview section of this documentation.

## Definitions

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

\_links

svm

SVM, applies only to SVM-scoped objects.

| Name | Type   | Description                                                                         |
|------|--------|-------------------------------------------------------------------------------------|
| name | string | The name of the SVM. This field cannot be specified in a PATCH method.              |
| uuid | string | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

netgroups\_settings

Netgroups cache setting.

| Name                          | Type                | Description                                                      |
|-------------------------------|---------------------|------------------------------------------------------------------|
| enabled                       | boolean             | Indicates whether or not the cache is enabled.                   |
| negative_cache_enabled_byhost | boolean             | Indicates whether or not the negative cache is enabled.          |
| negative_ttl_byhost           | string              | Specifies negative Time to Live by host, in ISO 8601 format.     |
| svm                           | <a href="#">svm</a> | SVM, applies only to SVM-scoped objects.                         |
| ttl_byhost                    | string              | Specifies Time to Live by host, in ISO 8601 format.              |
| ttl_for_members               | string              | Specifies Time to Live for netgroup members, in ISO 8601 format. |

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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