



# Manage netgroup cache settings

ONTAP 9.13.1 REST API reference

NetApp  
April 02, 2024

# Table of Contents

- Manage netgroup cache settings ..... 1
  - Name-services cache netgroup settings endpoint overview ..... 1
  - Retrieve netgroup cache settings ..... 3
  - Retrieve a netgroup cache setting for an SVM ..... 9
  - Update a netgroup cache setting ..... 14

# Manage netgroup cache settings

## Name-services cache netgroup settings endpoint overview

### 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_byhost	string	query	False	Filter by ttn_byhost
negative_ttn_byhost	string	query	False	Filter by negative_ttn_byhost
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
enabled	boolean	query	False	Filter by enabled
ttn_for_members	string	query	False	Filter by ttn_for_members
negative_cache_enabled_byhost	boolean	query	False	Filter by negative_cache_enabled_byhost
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. <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: 1</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	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
next	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

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

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

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.
negative_ttl_byhost	string	Specifies negative Time to Live by host, in ISO 8601 format.
svm	<a href="#">svm</a>	

Name	Type	Description
ttd_byhost	string	Specifies Time to Live by host, in ISO 8601 format.
ttd_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

#### 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.
ttl_byhost	string	query	False	Filter by ttl_byhost
negative_ttl_byhost	string	query	False	Filter by negative_ttl_byhost
svm.name	string	query	False	Filter by svm.name
enabled	boolean	query	False	Filter by enabled
ttl_for_members	string	query	False	Filter by ttl_for_members
negative_cache_enabled_byhost	boolean	query	False	Filter by negative_cache_enabled_byhost
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. <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: 1</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
<a href="#">_links</a>	<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.
<a href="#">svm</a>	<a href="#">svm</a>	
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 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	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	<a href="#">href</a>	

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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
_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>	
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

```
{
  "_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"
}
```

## 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.

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	<a href="#">href</a>	

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

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.
negative_ttl_byhost	string	Specifies negative Time to Live by host, in ISO 8601 format.
svm	<a href="#">svm</a>	
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

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.

## Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

## Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.