



Manage global cache settings

ONTAP 9.14.1 REST API reference

NetApp
May 23, 2024

Table of Contents

- Manage global cache settings 1
 - Name-services cache setting endpoint overview 1
 - Retrieve a global name service cache setting 2
 - Update a global name service cache setting 5

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. <ul style="list-style-type: none">• Default value: 1

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

Example request

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

Response

```
Status: 200, Ok
```

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	

global_cache_setting

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.

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.

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.