Manage UNIX user cache settings

REST API reference

NetApp
September 12, 2025

This PDF was generated from https://docs.netapp.com/us-en/ontap-restapi-9111/name-services_cache_unix-user_settings_endpoint_overview.html on September 12, 2025. Always check docs.netapp.com for the latest.

Table of Contents

Manage UNIX user cache settings . . . 1
- Name-services cache unix-user settings endpoint overview . . . 1
  - Overview . . . 1
  - Examples . . . 1
- Retrieve UNIX user cache settings . . . 3
  - Related ONTAP commands . . . 4
  - Learn more . . . 4
  - Parameters . . . 4
  - Response . . . 5
  - Error . . . 6
  - Definitions . . . 7
- Retrieve UNIX user cache settings for an SVM . . . 9
  - Related ONTAP commands . . . 9
  - Learn more . . . 9
  - Parameters . . . 9
  - Response . . . 11
  - Error . . . 12
  - Definitions . . . 13
- Update a UNIX user cache setting . . . 14
  - Important notes . . . 15
  - Related ONTAP commands . . . 15
  - Learn more . . . 15
  - Parameters . . . 15
  - Request Body . . . 15
  - Response . . . 16
  - Error . . . 16
  - Definitions . . . 16

Manage UNIX user cache settings

Name-services cache unix-user settings endpoint overview

Overview

This API is used to retrieve and manage unix-user settings.

Examples

Retrieving unix-user cache settings

The following example shows how to use the cache unix-user settings GET endpoint to retrieve unix-user cache settings.

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

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

# The response:
{
"records": [
  {
    "svm": {
      "uuid": "8a1a8730-2036-11ec-8457-005056bbcfdb",
      "name": "vs43"
    },
    "enabled": true,
    "negative_cache_enabled": true,
    "ttl": "P1D",
    "negative_ttl": "PT1M",
    "propagation_enabled": true
  },
  {
    "svm": {
      "uuid": "dc458b2f-2035-11ec-bfe2-005056bb6bef",
      "name": "vs34"
    },
    "enabled": true,
    "negative_cache_enabled": true,
    "ttl": "P1D",
    "negative_ttl": "PT1M",
    "propagation_enabled": true
  }
],
"num_records": 2
}
```

Retrieving a unix-user cache setting for a given SVM

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

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

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/cache/unix-
user/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": true,
"ttl": "P1D",
"negative_ttl": "PT1M",
"propagation_enabled": true
}
```

Updating a unix-user setting

The following example shows how to use the cache unix-user settings PATCH endpoint to update unix-user cache settings.

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

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

Retrieve UNIX user cache settings

GET `/name-services/cache/unix-user/settings`

Introduced In: 9.11

Retrieves unix-user cache settings.

Related ONTAP commands

- `vserver services name-service cache unix-user settings show`

Learn more

- DOC /name-services/cache/unix-user/settings

Parameters

Name	Type	In	Required	Description
propagation_enabled	boolean	query	False	Filter by propagation_enabled
negative_cache_enabled	boolean	query	False	Filter by negative_cache_enabled
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
ttl	string	query	False	Filter by ttl
negative_ttl	string	query	False	Filter by negative_ttl
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	
num_records	integer	Number of records.
records	array[unix_user_settings]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "negative_ttl": "PT5M",
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "ttl": "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
next	href	
self	href	

_links

Name	Type	Description
self	href	

svm

Name	Type	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

unix_user_settings

UNIX users cache setting.

Name	Type	Description
_links	_links	
enabled	boolean	Indicates whether or not the cache is enabled.
negative_cache_enabled	boolean	Indicates whether or not the negative cache is enabled.
negative_ttl	string	Specifies negative Time to Live, in ISO 8601 format.
propagation_enabled	boolean	Specifies whether the propagation setting is enabled or not.

Name	Type	Description
svm	svm	
ttl	string	Specifies Time to Live (TTL), in ISO 8601 format.

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.

Retrieve UNIX user cache settings for an SVM

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

Introduced In: 9.11

Retrieves unix-user cache settings for a given SVM.

Related ONTAP commands

- `vserver services name-service cache unix-user settings show`

Learn more

- DOC /name-services/cache/unix-user/settings

Parameters

Name	Type	In	Required	Description
svm.uuid	string	path	True	SVM UUID.
propagation_enabled	boolean	query	False	Filter by propagation_enabled
negative_cache_enabled	boolean	query	False	Filter by negative_cache_enabled
svm.name	string	query	False	Filter by svm.name
enabled	boolean	query	False	Filter by enabled
ttl	string	query	False	Filter by ttl
negative_ttl	string	query	False	Filter by negative_ttl
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	
enabled	boolean	Indicates whether or not the cache is enabled.
negative_cache_enabled	boolean	Indicates whether or not the negative cache is enabled.
negative_ttl	string	Specifies negative Time to Live, in ISO 8601 format.
propagation_enabled	boolean	Specifies whether the propagation setting is enabled or not.
svm	svm	
ttl	string	Specifies Time to Live (TTL), in ISO 8601 format.

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "negative_ttl": "PT5M",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "ttl": "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	

svm

Name	Type	Description
_links	_links	
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[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Update a UNIX user cache setting

PATCH `/name-services/cache/unix-user/settings/{svm.uuid}`

Introduced In: 9.11

Updates a unix-user 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 unix-user settings modify`

Learn more

- DOC /name-services/cache/unix-user/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	boolean	Indicates whether or not the negative cache is enabled.
negative_ttl	string	Specifies negative Time to Live, in ISO 8601 format.
propagation_enabled	boolean	Specifies whether the propagation setting is enabled or not.
svm	svm	
ttl	string	Specifies Time to Live (TTL), in ISO 8601 format.

Example request

```
{
  "negative_ttl": "PT5M",
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "ttl": "PT2H"
}
```

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.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

svm

Name	Type	Description
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

unix_user_settings

UNIX users cache setting.

Name	Type	Description
enabled	boolean	Indicates whether or not the cache is enabled.
negative_cache_enabled	boolean	Indicates whether or not the negative cache is enabled.
negative_ttl	string	Specifies negative Time to Live, in ISO 8601 format.
propagation_enabled	boolean	Specifies whether the propagation setting is enabled or not.
svm	svm	
ttl	string	Specifies Time to Live (TTL), in ISO 8601 format.

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.

Copyright information

Copyright © 2025 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.