



# Manage UNIX user cache settings

ONTAP 9.15.1 REST API reference

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September 11, 2024

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# 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

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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
negative_cache_enabled	boolean	query	False	Filter by negative_cache_enabled
propagation_enabled	boolean	query	False	Filter by propagation_enabled
enabled	boolean	query	False	Filter by enabled
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
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. <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="#">unix_user_settings</a> ]	

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "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	<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.

unix\_user\_settings

UNIX users cache setting.

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

Name	Type	Description
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	<a href="#">svm</a>	SVM, applies only to SVM-scoped objects.
ttl	string	Specifies Time to Live (TTL), 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 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.
negative_cache_enabled	boolean	query	False	Filter by negative_cache_enabled
propagation_enabled	boolean	query	False	Filter by propagation_enabled
enabled	boolean	query	False	Filter by enabled
svm.name	string	query	False	Filter by svm.name
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. <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>	
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	<a href="#">svm</a>	SVM, applies only to SVM-scoped objects.

Name	Type	Description
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	<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 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
<a href="#">_links</a>	<a href="#">_links</a>	
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	<a href="#">svm</a>	SVM, applies only to SVM-scoped objects.

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

### Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "negative_ttl": "PT5M",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "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.

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

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.

unix\_user\_settings

UNIX users cache setting.

Name	Type	Description
_links	<a href="#">_links</a>	
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	<a href="#">svm</a>	SVM, applies only to SVM-scoped objects.
ttl	string	Specifies Time to Live (TTL), 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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