



# **Manage UNIX user configurations**

ONTAP 9.12.1 REST API reference

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# Table of Contents

- Manage UNIX user configurations . . . . . 1
  - Name-services unix-users endpoint overview . . . . . 1
  - Retrieve all UNIX users for all SVMs . . . . . 5
  - Create a local UNIX user configuration for an SVM . . . . . 11
  - Delete a UNIX user configuration for an SVM . . . . . 17
  - Retrieve the UNIX user information for a user and SVM . . . . . 19
  - Update the UNIX user information for a user and SVM . . . . . 22

# Manage UNIX user configurations

## Name-services unix-users endpoint overview

### Overview

You can use this API to display local UNIX user information and to control UNIX user configurations.

### Retrieving UNIX user information

You can use the UNIX user GET endpoint to retrieve all of the local UNIX user configurations for data SVMs.

### Examples

#### Retrieving all of the fields for UNIX user configurations for all SVMs

```
# The API:
/api/name-services/unix-users

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

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "25b363a6-2971-11eb-88e1-0050568eefd4",
        "name": "vs1"
      },
      "name": "string",
      "id": 7,
      "primary_gid": 0,
      "full_name": "string"
    },
    {
      "svm": {
        "uuid": "3f479a01-2971-11eb-88e1-0050568eefd4",
        "name": "vs2"
      },
      "name": "nobody",
      "id": 65535,
      "primary_gid": 65535,
```

```
    "full_name": ""
  },
  {
    "svm": {
      "uuid": "3f479a01-2971-11eb-88e1-0050568eefd4",
      "name": "vs2"
    },
    "name": "pcuser",
    "id": 65534,
    "primary_gid": 65534,
    "full_name": ""
  },
  {
    "svm": {
      "uuid": "3f479a01-2971-11eb-88e1-0050568eefd4",
      "name": "vs2"
    },
    "name": "root",
    "id": 0,
    "primary_gid": 1,
    "full_name": ""
  }
],
"num_records": 4
}
```

---

## Retrieving the UNIX user configuration of a specific SVM

---

```
# The API:
/api/name-services/unix-users

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/unix-
users?svm.uuid=25b363a6-2971-11eb-88e1-0050568eefd4&fields=*" -H "accept:
application/json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "25b363a6-2971-11eb-88e1-0050568eefd4",
        "name": "vs1"
      },
      "name": "user1",
      "id": 1,
      "primary_gid": 1,
      "full_name": "Full User Name for user1"
    }
  ],
  "num_records": 1
}
```

---

### Retrieving a UNIX user configuration of a specific SVM and user

---

```
# The API:
/api/name-services/unix-users/{svm.uuid}/{name}

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/unix-users/25b363a6-2971-11eb-88e1-0050568eefd4/user1" -H "accept: application/json"

# The response:
{
  "svm": {
    "uuid": "25b363a6-2971-11eb-88e1-0050568eefd4",
    "name": "vs1"
  },
  "name": "user1",
  "id": 1,
  "primary_gid": 1,
  "full_name": "Full User Name for user1"
}
```

---

## Creating a UNIX user configuration

The UNIX user POST endpoint creates a UNIX user configuration for the specified SVM.

## Examples

### Creating a UNIX user configuration with all fields specified

---

```
# The API:
/api/name-services/unix-users

# The call:
curl -X POST "https://<mgmt-ip>/api/name-services/unix-users" -H "accept: application/json" -d "{ \"full_name\": \"Full user name\", \"id\": 7, \"name\": \"user2\", \"primary_gid\": 10, \"skip_name_validation\": false, \"svm\": { \"name\": \"vs1\", \"uuid\": \"25b363a6-2971-11eb-88e1-0050568eefd4\" } }"
```

---

### Creating a UNIX user configuration with only mandatory fields specified

---

```
# The API:
/api/name-services/unix-users

# The call:
curl -X POST "https://<mgmt-ip>/api/name-services/unix-users" -H "accept: application/json" -d "{ \"id\": 8, \"name\": \"user9\", \"primary_gid\": 10, \"svm\": { \"name\": \"vs1\", \"uuid\": \"25b363a6-2971-11eb-88e1-0050568eefd4\" } }"
```

---

## Updating a UNIX user configuration

The UNIX user PATCH endpoint updates the UNIX user configuration for the specified user and SVM. The following example shows a PATCH operation:

```
# The API:
/api/name-services/unix-users/{svm.uuid}/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/name-services/unix-users/25b363a6-2971-11eb-88e1-0050568eefd4/user1" -H "accept: application/json" -d "{ \"full_name\": \"Full name\", \"id\": 7, \"primary_gid\": 10 }"
```

---

## Deleting a UNIX user configuration

The UNIX user DELETE endpoint deletes the specified UNIX user for the specified SVM. The following example shows a DELETE operation:

```
# The API:
/api/name-services/unix-users/{svm.uuid}/{name}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/name-services/unix-users/25b363a6-2971-11eb-88e1-0050568eefd4/user1" -H "accept: application/json"
```

---

## Retrieve all UNIX users for all SVMs

GET /name-services/unix-users

Introduced In: 9.9

Retrieves all of the UNIX users for all of the SVMs.

## Important notes

- The current UNIX users count can be retrieved from the num\_records field by calling the API with the paramter "return\_records=false".

## Related ONTAP commands

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

## Parameters

Name	Type	In	Required	Description
name	string	query	False	Filter by name
full_name	string	query	False	Filter by full_name
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
id	integer	query	False	Filter by id
primary_gid	integer	query	False	Filter by primary_gid
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	<p>The default is true for GET calls. When set to false, only the number of records is returned.</p> <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 UNIX user records.
records	array[ <a href="#">unix_user</a> ]	

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    }
  }
}
```

## 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.

unix\_user

Name	Type	Description
_links	<a href="#">_links</a>	
full_name	string	User's full name.
id	integer	UNIX user ID of the specified user.
name	string	UNIX user name to be added to the local database.
primary_gid	integer	Primary group ID to which the user belongs.
skip_name_validation	boolean	Indicates whether or not the validation for the specified UNIX user name is disabled.

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

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.

## Create a local UNIX user configuration for an SVM

POST /name-services/unix-users

**Introduced In:** 9.9

Creates the local UNIX user configuration for an SVM.

### Important notes

- The default limit for local UNIX users is 32768.

### Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	<p>The default is false. If set to true, the records are returned.</p> <ul style="list-style-type: none"> <li>• Default value:</li> </ul>

## Request Body

Name	Type	Description
_links	<a href="#">_links</a>	
full_name	string	User's full name.
id	integer	UNIX user ID of the specified user.
name	string	UNIX user name to be added to the local database.
primary_gid	integer	Primary group ID to which the user belongs.
skip_name_validation	boolean	Indicates whether or not the validation for the specified UNIX user name is disabled.
svm	<a href="#">svm</a>	

### Example request

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

## Response

Status: 201, Created

Name	Type	Description
_links	<a href="#">_links</a>	
num_records	integer	Number of UNIX user records.
records	array[ <a href="#">unix_user</a> ]	

### Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    }
  }
}
```

### Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
2621706	The specified SVM UUID is incorrect for the specified SVM name
23724066	The specified UNIX user name is too long. Maximum supported length is 64 characters.
3277051	The specified UNIX user name contains invalid characters. Valid characters are 0-9, A-Z, a-z, ".", "_", and "-".
23724128	The specified UNIX user full-name contains the invalid character ':'.
23724089	The specified UNIX user full-name is too long. Maximum supported length is 256 characters.
23724055	Internal error. Failed to create the UNIX user for the SVM. Verify that the cluster is healthy, then try the command again.
23724090	Configuring individual entries is not supported because file-only configuration is enabled.
3277025	Failed to create the UNIX user for the SVM because the system limit has been reached.

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.

unix\_user

Name	Type	Description
_links	<a href="#">_links</a>	
full_name	string	User's full name.
id	integer	UNIX user ID of the specified user.
name	string	UNIX user name to be added to the local database.
primary_gid	integer	Primary group ID to which the user belongs.
skip_name_validation	boolean	Indicates whether or not the validation for the specified UNIX user name is disabled.
svm	<a href="#">svm</a>	

\_links

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

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

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.

## Delete a UNIX user configuration for an SVM

```
DELETE /name-services/unix-users/{svm.uuid}/{name}
```

**Introduced In:** 9.9

Deletes a UNIX user configuration for the specified SVM.

### Related ONTAP commands

- `vserver services name-service unix-user delete`

### Parameters

Name	Type	In	Required	Description
name	string	path	True	UNIX user name
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

## Response

Status: 200, Ok

## 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

### 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 the UNIX user information for a user and SVM

GET /name-services/unix-users/{svm.uuid}/{name}

**Introduced In:** 9.9

Retrieves UNIX user information for the specified user and SVM.

### Related ONTAP commands

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

### Parameters

Name	Type	In	Required	Description
name	string	path	True	UNIX user name
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
full_name	string	User's full name.
id	integer	UNIX user ID of the specified user.
name	string	UNIX user name to be added to the local database.
primary_gid	integer	Primary group ID to which the user belongs.
skip_name_validation	boolean	Indicates whether or not the validation for the specified UNIX user name is disabled.
svm	<a href="#">svm</a>	

### Example response

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

## 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 the UNIX user information for a user and SVM

PATCH /name-services/unix-users/{svm.uuid}/{name}



## Introduced In: 9.9

Updates UNIX user information for the specified user and SVM.

### Parameters

Name	Type	In	Required	Description
name	string	path	True	UNIX user name
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

### Request Body

Name	Type	Description
_links	<a href="#">_links</a>	
full_name	string	User's full name.
id	integer	UNIX user ID of the specified user.
name	string	UNIX user name to be added to the local database.
primary_gid	integer	Primary group ID to which the user belongs.
skip_name_validation	boolean	Indicates whether or not the validation for the specified UNIX user name is disabled.
svm	<a href="#">svm</a>	

## Example request

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

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
23724128	The specified Unix user full-name contains invalid character ':'
23724089	The specified UNIX user full-name is too long. Maximum supported length is 256 characters.
23724055	Internal error. Failed to modify the UNIX user for the SVM. Verify that the cluster is healthy, then try the command again.
23724090	Configuring individual entries is not supported because file-only configuration is enabled.

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.

unix\_user

Name	Type	Description
_links	<a href="#">_links</a>	
full_name	string	User's full name.
id	integer	UNIX user ID of the specified user.
name	string	UNIX user name to be added to the local database.
primary_gid	integer	Primary group ID to which the user belongs.
skip_name_validation	boolean	Indicates whether or not the validation for the specified UNIX user name is disabled.
svm	<a href="#">svm</a>	

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.

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