



Manage S3 service users

ONTAP 9.14.1 REST API reference

NetApp
April 02, 2024

Table of Contents

- Manage S3 service users 1
 - Protocols S3 services svm.uuid users endpoint overview 1
 - Retrieve the SVM configuration for an S3 user 8
 - Create an S3 user configuration 15
 - Delete an S3 user configuration 22
 - Retrieve the S3 user configuration for an SVM 24
 - Update an S3 user configuration 29

Manage S3 service users

Protocols S3 services svm.uuid users endpoint overview

Overview

An S3 user account is created on the S3 server. Buckets that are created for the server are associated with that user (as the owner of the buckets). The creation of the user account involves generating a pair of keys "access" and "secret". These keys are shared with clients (by the administrator out of band) who want to access the S3 server. The access_key is sent in the request and it identifies the user performing the operation. The client or server never send the secret_key over the wire. Only the access_key can be retrieved from a GET operation. The secret_key along with the access_key is returned from a POST operation and from a PATCH operation if the administrator needs to regenerate the keys.

Examples

Retrieving S3 user configurations for a particular SVM

```
# The API:
/api/protocols/s3/services/{svm.uuid}/users

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users?fields=*&return_records=true" -H "accept: application/hal+json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "db2ec036-8375-11e9-99e1-0050568e3ed9",
        "name": "vs1",
        "_links": {
          "self": {
            "href": "/api/svm/svms/db2ec036-8375-11e9-99e1-0050568e3ed9"
          }
        }
      },
      "name": "user-1",
      "comment": "S3 user",
      "access_key": "JJJA3240AD5ZTSHXNC35",
      "key_time_to_live": "PT3H5M",
      "key_expiry_time": "2023-02-20T10:04:31Z",
      "_links": {
        "self": {
```

```

    "href": "/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-1"
  }
}
},
{
  "svm": {
    "uuid": "db2ec036-8375-11e9-99e1-0050568e3ed9",
    "name": "vs1",
    "_links": {
      "self": {
        "href": "/api/svm/svms/db2ec036-8375-11e9-99e1-0050568e3ed9"
      }
    }
  },
  "name": "user-2",
  "comment": "s3-user",
  "access_key": "C87S021Q59JJAAQNJP7R",
  "_links": {
    "self": {
      "href": "/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-2"
    }
  }
}
],
"num_records": 2,
"_links": {
  "self": {
    "href": "/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users?fields=*amp;return_records=true"
  }
}
}
}

```

Retrieving the user configuration of a specific S3 user

```
# The API:
/api/protocols/s3/services/{svm.uuid}/users/{name}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-1" -H "accept: application/hal+json"

# The response:
{
  "svm": {
    "uuid": "db2ec036-8375-11e9-99e1-0050568e3ed9",
    "name": "vs1",
    "_links": {
      "self": {
        "href": "/api/svm/svms/db2ec036-8375-11e9-99e1-0050568e3ed9"
      }
    }
  },
  "name": "user-1",
  "comment": "s3-user",
  "access_key": "JJJA3240AD5ZTSHXNC35",
  "key_time_to_live": "P6DT1H5M",
  "key_expiry_time": "2023-02-20T10:04:31Z",
  "_links": {
    "self": {
      "href": "/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-1"
    }
  }
}
```

Creating an S3 user configuration

```
# The API:
/api/protocols/s3/services/{svm.uuid}/users

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users" -H "accept: application/json" -H "Content-Type: application/json" -d '{"name": "user-1"}'

# The response:
HTTP/1.1 201 Created
Date: Fri, 31 May 2019 09:34:25 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Location: /api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-1
Content-Length: 244
Content-Type: application/json
{
  "num_records": 1,
  "records": [
    {
      "name": "user-1",
      "access_key": "JJJA3240AD5ZTSHXNC36",
      "secret_key": "_n8NAqU3A8TN73698j1uJ2YA7oxZ_Va6q4ETMB47"
    }
  ]
}
```

Creating an S3 user configuration with key expiration configuration

```

# The API:
/api/protocols/s3/services/{svm.uuid}/users

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/s3/services/db2ec036-8375-
11e9-99e1-0050568e3ed9/users" -H "accept: application/json" -H "Content-
Type: application/json" -d "{ \"comment\": \"S3 user3\",
\"key_time_to_live\": \"P6DT1H5M\", \"name\": \"user-3\"}"

# The response:
HTTP/1.1 201 Created
Date: Tue, 14 Feb 2023 08:59:31 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Security-Policy: default-src 'self'; script-src 'self' 'unsafe-
inline'; style-src 'self' 'unsafe-inline'; img-src 'self' data:; frame-
ancestors: 'self'
Location: /api/protocols/s3/services/6573ac2b-ab66-11ed-b53d-
005056bb4b9b/users/user-3
Content-Length: 337
Content-Type: application/hal+json
Vary: Origin
{
  "num_records": 1,
  "records": [
    {
      "name": "user-3",
      "access_key": "JJJA3240AD5ZTSHXNC35",
      "secret_key": "OXx6J_GkTc94Xx91cYrNBar_OT3BY6lWOHI_HSR5",
      "key_expiry_time": "2023-06-16T12:08:38Z",
      "_links": {
        "self": {
          "href": "/api/protocols/s3/services/6573ac2b-ab66-11ed-b53d-
005056bb4b9b/users/user-3"
        }
      }
    }
  ]
}

```

Regenerating keys for a specific S3 user for the specified SVM

```
# The API:
/api/protocols/s3/services/{svm.uuid}/users/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-2?regenerate_keys=true" -H "accept: application/hal+json" -H "Content-Type: application/json" -d "{}"

# The response:
HTTP/1.1 200 OK
Date: Fri, 31 May 2019 09:55:45 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 391
Content-Type: application/hal+json
{
  "num_records": 1,
  "records": [
    {
      "name": "user-2",
      "access_key": "KEOYV21G156K8AB4ZISH",
      "secret_key": "au__5oyYSs3c_QtoD5FH9f9rL888rwgD6fQS8chl",
      "_links": {
        "self": {
          "href": "/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-2"
        }
      }
    }
  ]
}
```

Regenerating keys and setting new expiry configuration for a specific S3 user for the specified SVM


```
# The API:
/api/protocols/s3/services/{svm.uuid}/users/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-2?regenerate_keys=true" -H "accept: application/hal+json" -H "Content-Type: application/json" -d "{\"key_time_to_live\": \"PT6H3M\" }"

# The response:
HTTP/1.1 200 OK
Date: Fri, 31 May 2019 09:55:45 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 391
Content-Type: application/hal+json
{
  "num_records": 1,
  "records": [
    {
      "name": "user-2",
      "access_key": "KEOYV21G156K8AB4ZISH",
      "secret_key": "au__5oyYSs3c_QtoD5FH9f9rL888rwgD6fQS8chl",
      "key_expiry_time": "2023-06-16T16:19:06Z",
      "_links": {
        "self": {
          "href": "/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-2"
        }
      }
    }
  ]
}
```

Deleting keys for a specific S3 user for a specified SVM

```
# The API:
/api/protocols/s3/services/{svm.uuid}/users/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/s3/services/db2ec036-8375-11e9-99e1-0050568e3ed9/users/user-2?delete_keys=true" -H "accept: application/hal+json" -H "Content-Type: application/json" -d "{}"

# The response:
HTTP/1.1 200 OK
Date: Wed, 08 Feb 2023 13:40:04 GMT
Server: libzapid-httpd
X-Content-Type-Options: nosniff
Cache-Control: no-cache,no-store,must-revalidate
Content-Security-Policy: default-src 'self'; script-src 'self' 'unsafe-inline'; style-src 'self' 'unsafe-inline'; img-src 'self' data:; frame-ancestors: 'self'
Content-Length: 3
Content-Type: application/hal+json
Vary: Origin
{
}
```

Deleting the specified S3 user configuration for a specified SVM

```
# The API:
/api/protocols/s3/services/{svm.uuid}/users/{name}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/s3/services/03ce5c36-f269-11e8-8852-0050568e5298/users/user-2" -H "accept: application/json"
```

Retrieve the SVM configuration for an S3 user

GET /protocols/s3/services/{svm.uuid}/users

Introduced In: 9.7

Retrieves the S3 user's SVM configuration.

Related ONTAP commands

- `vserver object-store-server user show`

Learn more

- [DOC /protocols/s3/services/{svm.uuid}/users](#)

Parameters

Name	Type	In	Required	Description
comment	string	query	False	Filter by comment <ul style="list-style-type: none">• maxLength: 256• minLength: 0
key_expiry_time	string	query	False	Filter by key_expiry_time <ul style="list-style-type: none">• Introduced in: 9.14
svm.name	string	query	False	Filter by svm.name
key_time_to_live	string	query	False	Filter by key_time_to_live <ul style="list-style-type: none">• Introduced in: 9.14
access_key	string	query	False	Filter by access_key
name	string	query	False	Filter by name <ul style="list-style-type: none">• maxLength: 64• minLength: 1
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.

Name	Type	In	Required	Description
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
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	collection_links	
num_records	integer	Number of records
records	array[s3_user]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "access_key": "HJAKU28M3SXTE2UXUACV",
    "comment": "S3 user",
    "key_expiry_time": "2024-01-01 00:00:00 +0000",
    "key_time_to_live": "PT6H3M",
    "name": "user-1",
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    }
  }
}
```

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	

collection_links

Name	Type	Description
next	href	
self	href	

_links

Name	Type	Description
self	href	

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
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.

s3_user

This is a container of S3 users.

Name	Type	Description
access_key	string	Specifies the access key for the user.
comment	string	Can contain any additional information about the user being created or modified.

Name	Type	Description
key_expiry_time	string	Specifies the date and time after which keys expire and are no longer valid.
key_time_to_live	string	<p>Indicates the time period from when this parameter is specified:</p> <ul style="list-style-type: none"> when creating or modifying a user or when the user keys were last regenerated, after which the user keys expire and are no longer valid. <ul style="list-style-type: none"> Valid format is: 'PnDTnHnMnS PnW'. For example, P2DT6H3M10S specifies a time period of 2 days, 6 hours, 3 minutes, and 10 seconds. If the value specified is '0' seconds, then the keys won't expire.
name	string	Specifies the name of the user. A user name length can range from 1 to 64 characters and can only contain the following combination of characters 0-9, A-Z, a-z, "_", "+", "=", ";", ":", "@", and "-".
svm	svm	SVM, applies only to SVM-scoped objects.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments

Name	Type	Description
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Create an S3 user configuration

POST `/protocols/s3/services/{svm.uuid}/users`

Introduced In: 9.7

Creates the S3 user configuration.

Important notes

- Each SVM can have one or more user configurations.
- If user creation is successful, a user `access_key` and `secret_key` is returned as part of the response.
- If user keys have expiry configuration, then `"key_expiry_time"` is also returned as part of the response.

Required properties

- `svm.uuid` - Existing SVM in which to create the user configuration.
- `name` - User name that is to be created.

Default property values

- `comment` - ""

Related ONTAP commands

- `vserver object-store-server user create`

Learn more

- [DOC /protocols/s3/services/{svm.uuid}/users](#)

Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. <ul style="list-style-type: none"> • Default value:
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
access_key	string	Specifies the access key for the user.
comment	string	Can contain any additional information about the user being created or modified.
key_expiry_time	string	Specifies the date and time after which keys expire and are no longer valid.
key_time_to_live	string	Indicates the time period from when this parameter is specified: <ul style="list-style-type: none"> • when creating or modifying a user or • when the user keys were last regenerated, after which the user keys expire and are no longer valid. • Valid format is: 'PnDTnHnMnS PnW'. For example, P2DT6H3M10S specifies a time period of 2 days, 6 hours, 3 minutes, and 10 seconds. • If the value specified is '0' seconds, then the keys won't expire.

Name	Type	Description
name	string	Specifies the name of the user. A user name length can range from 1 to 64 characters and can only contain the following combination of characters 0-9, A-Z, a-z, "_", "+", "=", ";", ":", "@", and "-".
svm	svm	SVM, applies only to SVM-scoped objects.

Example request

```
{
  "access_key": "HJAKU28M3SXTE2UXUACV",
  "comment": "S3 user",
  "key_expiry_time": "2024-01-01 00:00:00 +0000",
  "key_time_to_live": "PT6H3M",
  "name": "user-1",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

Status: 201, Created

Name	Type	Description
num_records	integer	Number of records
records	array[s3_service_user_post_response]	

Error Code	Description
92406083	The maximum supported value for user key expiry configuration is "1095" days.
92406096	The user does not have permission to access the requested resource \"{0}\".
92406097	Internal error. The operation configuration is not correct.

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	

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
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.

s3_user

This is a container of S3 users.

Name	Type	Description
access_key	string	Specifies the access key for the user.
comment	string	Can contain any additional information about the user being created or modified.
key_expiry_time	string	Specifies the date and time after which keys expire and are no longer valid.

Name	Type	Description
key_time_to_live	string	<p>Indicates the time period from when this parameter is specified:</p> <ul style="list-style-type: none"> when creating or modifying a user or when the user keys were last regenerated, after which the user keys expire and are no longer valid. Valid format is: 'PnDTnHnMnS PnW'. For example, P2DT6H3M10S specifies a time period of 2 days, 6 hours, 3 minutes, and 10 seconds. If the value specified is '0' seconds, then the keys won't expire.
name	string	<p>Specifies the name of the user. A user name length can range from 1 to 64 characters and can only contain the following combination of characters 0-9, A-Z, a-z, "_", "+", "=", ",", ".", "@", and "-".</p>
svm	svm	SVM, applies only to SVM-scoped objects.

collection_links

Name	Type	Description
next	href	
self	href	

s3_service_user_post_response

Name	Type	Description
_links	collection_links	
access_key	string	Specifies the access key for the user.
name	string	The name of the user.

Name	Type	Description
secret_key	string	Specifies the secret key for the user.

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.

Delete an S3 user configuration

```
DELETE /protocols/s3/services/{svm.uuid}/users/{name}
```

Introduced In: 9.7

Deletes the S3 user configuration of an SVM.

Related ONTAP commands

- `vserver object-store-server user delete`

Learn more

- [DOC /protocols/s3/services/{svm.uuid}/users](#)

Parameters

Name	Type	In	Required	Description
name	string	path	True	User name

Name	Type	In	Required	Description
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	returned_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

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.

Retrieve the S3 user configuration for an SVM

```
GET /protocols/s3/services/{svm.uuid}/users/{name}
```

Introduced In: 9.7

Retrieves the S3 user configuration of an SVM.

Related ONTAP commands

- `vserver object-store-server user show`

Learn more

- [DOC /protocols/s3/services/{svm.uuid}/users](#)

Parameters

Name	Type	In	Required	Description
name	string	path	True	User name

Name	Type	In	Required	Description
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
access_key	string	Specifies the access key for the user.
comment	string	Can contain any additional information about the user being created or modified.
key_expiry_time	string	Specifies the date and time after which keys expire and are no longer valid.
key_time_to_live	string	<p>Indicates the time period from when this parameter is specified:</p> <ul style="list-style-type: none"> • when creating or modifying a user or • when the user keys were last regenerated, after which the user keys expire and are no longer valid. • Valid format is: 'PnDTnHnMnS PnW'. For example, P2DT6H3M10S specifies a time period of 2 days, 6 hours, 3 minutes, and 10 seconds. • If the value specified is '0' seconds, then the keys won't expire.

Name	Type	Description
name	string	Specifies the name of the user. A user name length can range from 1 to 64 characters and can only contain the following combination of characters 0-9, A-Z, a-z, "_", "+", "=", ";", ":", "@", and "-".
svm	svm	SVM, applies only to SVM-scoped objects.

Example response

```
{
  "access_key": "HJAKU28M3SXTE2UXUACV",
  "comment": "S3 user",
  "key_expiry_time": "2024-01-01 00:00:00 +0000",
  "key_time_to_live": "PT6H3M",
  "name": "user-1",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

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	

svm

SVM, applies only to SVM-scoped objects.

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

Update an S3 user configuration

PATCH /protocols/s3/services/{svm.uuid}/users/{name}

Introduced In: 9.7

Updates the S3 user configuration of an SVM.

Important notes

- User `access_key` and `secret_key` pair can be regenerated using the PATCH operation.
- User `access_key` and `secret_key` is returned in a PATCH operation if the "regenerate_keys" field is specified as true.
- If "regenerate_keys" is true and user keys have expiry configuration, then "key_expiry_time" is also returned as part of response.
- User `access_key` and `secret_key` pair can be deleted using the PATCH operation.

Recommended optional properties

- `regenerate_keys` - Specifies if `secret_key` and `access_key` need to be regenerated.
- `delete_keys` - Specifies if `secret_key` and `access_key` need to be deleted.
- `comment` - Any information related to the S3 user.

Related ONTAP commands

- `vserver object-store-server user show`
- `vserver object-store-server user regenerate-keys`
- `vserver object-store-server user delete-keys`

Learn more

- [DOC /protocols/s3/services/{svm.uuid}/users](#)

Parameters

Name	Type	In	Required	Description
name	string	path	True	User name
regenerate_keys	boolean	query	False	Specifies whether or not to regenerate the user keys. <ul style="list-style-type: none">• Default value:

Name	Type	In	Required	Description
delete_keys	boolean	query	False	Specifies whether or not to delete the user keys. <ul style="list-style-type: none"> • Introduced in: 9.14 • Default value:
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
access_key	string	Specifies the access key for the user.
comment	string	Can contain any additional information about the user being created or modified.
key_expiry_time	string	Specifies the date and time after which keys expire and are no longer valid.
key_time_to_live	string	Indicates the time period from when this parameter is specified: <ul style="list-style-type: none"> • when creating or modifying a user or • when the user keys were last regenerated, after which the user keys expire and are no longer valid. • Valid format is: 'PnDTnHnMnS PnW'. For example, P2DT6H3M10S specifies a time period of 2 days, 6 hours, 3 minutes, and 10 seconds. • If the value specified is '0' seconds, then the keys won't expire.

Name	Type	Description
name	string	Specifies the name of the user. A user name length can range from 1 to 64 characters and can only contain the following combination of characters 0-9, A-Z, a-z, "_", "+", "=", ";", ":", "@", and "-".
svm	svm	SVM, applies only to SVM-scoped objects.

Example request

```
{
  "access_key": "HJAKU28M3SXTE2UXUACV",
  "comment": "S3 user",
  "key_expiry_time": "2024-01-01 00:00:00 +0000",
  "key_time_to_live": "PT6H3M",
  "name": "user-1",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

Status: 200, Ok

Name	Type	Description
num_records	integer	Number of records
records	array[s3_service_user_post_response]	

Example response

```
{
  "num_records": 1,
  "records": {
    "_links": {
      "next": {
        "href": "/api/resourceLink"
      },
      "self": {
        "href": "/api/resourceLink"
      }
    },
    "access_key": "HJAKU28M3SXTE2UXUACV",
    "name": "user-1",
    "secret_key": "BcA_HX6If4581lhnx3n1TCO3mg4roCXG0ddYf_cJ"
  }
}
```

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
92405792	Failed to regenerate access-key and secret-key for user.
92406082	Cannot perform "regenerate_keys" and "delete_keys" operations simultaneously on an S3 user.
92406081	The "regenerate_keys" operation on S3 User "user-2" in SVM "vs1" succeeded. However, modifying all of the other S3 user properties failed. Reason: resource limit exceeded. Retry the operation again without specifying the "regenerate_keys" parameter.
92406080	Cannot delete root user keys because there exists at least one S3 SnapMirror relationship that is using these keys.
92406083	The maximum supported value for user key expiry configuration is "1095" days.
92406088	The "key_time_to_live" parameter can only be used when the "regenerate_keys" operation is performed.

Error Code	Description
92406096	The user does not have permission to access the requested resource \"{0}\".
92406097	Internal error. The operation configuration is not correct.

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	

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
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.

s3_user

This is a container of S3 users.

Name	Type	Description
access_key	string	Specifies the access key for the user.
comment	string	Can contain any additional information about the user being created or modified.
key_expiry_time	string	Specifies the date and time after which keys expire and are no longer valid.

Name	Type	Description
key_time_to_live	string	<p>Indicates the time period from when this parameter is specified:</p> <ul style="list-style-type: none"> when creating or modifying a user or when the user keys were last regenerated, after which the user keys expire and are no longer valid. Valid format is: 'PnDTnHnMnS PnW'. For example, P2DT6H3M10S specifies a time period of 2 days, 6 hours, 3 minutes, and 10 seconds. If the value specified is '0' seconds, then the keys won't expire.
name	string	<p>Specifies the name of the user. A user name length can range from 1 to 64 characters and can only contain the following combination of characters 0-9, A-Z, a-z, "_", "+", "=", ",", ".", "@", and "-".</p>
svm	svm	SVM, applies only to SVM-scoped objects.

collection_links

Name	Type	Description
next	href	
self	href	

s3_service_user_post_response

Name	Type	Description
_links	collection_links	
access_key	string	Specifies the access key for the user.
name	string	The name of the user.

Name	Type	Description
secret_key	string	Specifies the secret key for the user.

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.