



# **Manage authentication keys (end-users)**

## **REST API reference**

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# Manage authentication keys (end-users)

## Manage authentication keys (end-users)

### Overview

This API configures the public keys for end-user (non-cluster admin) accounts. Specify the owner UUID, the user account name, and the index in the URI path. The owner UUID corresponds to the UUID of the SVM containing the user account associated with the public key and can be obtained from the response body of the GET request performed on the API `"/api/svm/svms"`.

The index value corresponds to the public key that needs to be modified or deleted (it is possible to create more than one public key for the same user account).

### Examples

#### Retrieving the specific configured public key for user accounts

```
# The API:
GET
"/api/security/authentication/publickeys/{owner.uuid}/{account.name}/{index}"

# The call:
curl -k https://<mgmt-ip>/api/security/authentication/publickeys/513a78c7-8c13-11e9-8f78-005056bbf6ac/pubuser4/0
```

#### Updating the public key, certificate, and comment for user accounts

```
# The API:
PATCH
"/api/security/authentication/publickeys/{owner.uuid}/{account.name}/{index}"

# The call:
curl -k https://<mgmt-ip>/api/security/authentication/publickeys/d49de271-8c11-11e9-8f78-005056bbf6ac/pubuser1/0 --request PATCH --data '{
"comment": "Cserver-modification", "certificate": "<CERTIFICATE-CONTENT>"
, "public_key": "<SSH-PUBLIC-KEY>" }'
```

#### Deleting the public key for user accounts

```
# The API:
DELETE
"/api/security/authentication/publickeys/{owner.uuid}/{account.name}/{index}"

# The call:
curl -k https://<mgmt-ip>/api/security/authentication/publickeys/d49de271-8c11-11e9-8f78-005056bbf6ac/pubuser1/0 --request DELETE
```

## Delete a public key for a user account

DELETE /security/authentication/publickeys/{owner.uuid}/{account.name}/{index}

**Introduced In:** 9.7

Deletes the public key for a user account.

### Related ONTAP commands

- `security login publickey delete`

### Learn more

- [DOC /security/authentication/publickeys/{owner.uuid}/{account.name}/{index}](#)
- [DOC /security/accounts](#)

### Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	Account owner UUID
account.name	string	path	True	User account name
index	integer	path	True	Index number for the public key (where there are multiple keys for the same account). <ul style="list-style-type: none"><li>• Max value: 99</li><li>• Min value: 0</li></ul>

## Response

Status: 200, Ok

## 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

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 public keys configured for a user account

GET /security/authentication/publickeys/{owner.uuid}/{account.name}/{index}

Introduced In: 9.7

Retrieves the public keys configured for a user account.

### Related ONTAP commands

- `security login publickey show`

### Learn more

- [DOC /security/authentication/publickeys/{owner.uuid}/{account.name}/{index}](#)
- [DOC /security/accounts](#)

### Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	Account owner UUID

Name	Type	In	Required	Description
account.name	string	path	True	User account name
index	integer	path	True	<p>Index number for the public key (where there are multiple keys for the same account).</p> <ul style="list-style-type: none"> <li>• Max value: 99</li> <li>• Min value: 0</li> </ul>
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>
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>• Max value: 120</li> <li>• Min value: 0</li> <li>• Default value: 15</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>	
account	<a href="#">account_reference</a>	
certificate	string	Optional certificate for the public key.
certificate_details	string	The details present in the certificate (READONLY).
certificate_expired	string	The expiration details of the certificate (READONLY).
certificate_revoked	string	The revocation details of the certificate (READONLY).
comment	string	Optional comment for the public key.
index	integer	Index number for the public key (where there are multiple keys for the same account).
obfuscated_fingerprint	string	The obfuscated fingerprint for the public key (READONLY).
owner	<a href="#">owner</a>	Owner name and UUID that uniquely identifies the public key.
public_key	string	The public key
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.
sha_fingerprint	string	The SHA fingerprint for the public key (READONLY).



## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "account": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "joe.smith"
  },
  "certificate": "string",
  "certificate_details": "string",
  "certificate_expired": "string",
  "certificate_revoked": "string",
  "comment": "string",
  "obfuscated_fingerprint": "string",
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "public_key": "string",
  "scope": "string",
  "sha_fingerprint": "string"
}
```

## 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>	

account\_reference

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	User account

owner

Owner name and UUID that uniquely identifies the public key.

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

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

## Update a public key for a user account

PATCH /security/authentication/publickeys/{owner.uuid}/{account.name}/{index}

**Introduced In:** 9.7

Updates the public key and/or certificate for a user account.

### Related ONTAP commands

- `security login publickey modify`

### Learn more

- [DOC /security/authentication/publickeys/{owner.uuid}/{account.name}/{index}](#)
- [DOC /security/accounts](#)

### Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	Account owner UUID
account.name	string	path	True	User account name
index	integer	path	True	Index number for the public key (where there are multiple keys for the same account). <ul style="list-style-type: none"> <li>• Max value: 99</li> <li>• Min value: 0</li> </ul>

### Request Body

Name	Type	Description
certificate	string	Optional certificate for the public key.
certificate_details	string	The details present in the certificate (READONLY).
certificate_expired	string	The expiration details of the certificate (READONLY).
certificate_revoked	string	The revocation details of the certificate (READONLY).
comment	string	Optional comment for the public key.
obfuscated_fingerprint	string	The obfuscated fingerprint for the public key (READONLY).
public_key	string	The public key
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.
sha_fingerprint	string	The SHA fingerprint for the public key (READONLY).

#### Example request

```
{
  "certificate": "string",
  "certificate_details": "string",
  "certificate_expired": "string",
  "certificate_revoked": "string",
  "comment": "string",
  "obfuscated_fingerprint": "string",
  "public_key": "string",
  "scope": "string",
  "sha_fingerprint": "string"
}
```

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
5832707	Failed to generate fingerprint for the public key.

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

## Definitions

## See Definitions

href

Name	Type	Description
href	string	

\_links

account\_reference

Name	Type	Description
name	string	User account

owner

Owner name and UUID that uniquely identifies the public key.

Name	Type	Description
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.

publickey

The public key for the user account (to access SSH).

Name	Type	Description
certificate	string	Optional certificate for the public key.
certificate_details	string	The details present in the certificate (READONLY).
certificate_expired	string	The expiration details of the certificate (READONLY).
certificate_revoked	string	The revocation details of the certificate (READONLY).
comment	string	Optional comment for the public key.

Name	Type	Description
obfuscated_fingerprint	string	The obfuscated fingerprint for the public key (READONLY).
public_key	string	The public key
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.
sha_fingerprint	string	The SHA fingerprint for the public key (READONLY).

#### 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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