Manage authentication keys (end-users)

REST API reference

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Manage authentication keys (end-users)

Security authentication publickeys owner.uuid account.name index endpoint overview

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}/{inde
x}"

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

Updating the public key and comment for user accounts

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

# The call:
curl -k https://<mgmt-ip>/api/security/authentication/publickeys/d49de271-
8c11-11e9-8f78-005056bbf6ac/pubuser1/0 --request PATCH --data '{
"comment": "Cserver-modification","public_key": "ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABAQCmSLP/FeiT1J4Fb4GNVO4ioa1NIUHWeG08+anDbFke3J
cFT5JqBn0QZiG0uF0bqepken/moVKZg8iQng1arjP4ULhhje/LwDuUbaB7kvtPL2gyzAX1qFYn
BJ5R1LXja25Z4xeeaXUBJjhUmvpfque0TxbvpaG5V9rFTzVg9ccjBnkBchg3EkhF4VtHmrZNpT
DAUOBAz69FRYXYz2ExoCHWqElHBJep9D0DLN0XtzQA0IF9hJck6xja5RcAQ6f9pLMCol9vJiqp
cBAjkUmg1qH5ZNHsgDQ7dtGNGJw45zqXHPAy9z8yKJuIsdK2/4iVYLDL8mlHFElgeADn6OSxui
j1" }'
```

Deleting the public key for user accounts

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

# 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). • Max value: 99 • Min value: 0

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[error_arguments]	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
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). • Max value: 99 • Min value: 0
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. • Max value: 120 • Min value: 0 • Default value: 1
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
account	account_reference	
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	owner	Owner name and UUID that uniquely identifies the public key.
public_key	string	The public key

Name	Type	Description
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"
  },
  "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	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	

account_reference

Name	Type	Description
_links	_links	
name	string	User account

owner

Owner name and UUID that uniquely identifies the public key.

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

Name	Type	Description
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 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). • Max value: 99 • Min value: 0

Request Body

Name	Type	Description
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


```
{
  "comment": "string",
  "obfuscated_fingerprint": "string",
  "public_key": "string",
  "scope": "string",
  "sha_fingerprint": "string"
}
```


Response

```
Status: 200, Ok
```

Error

```
Status: Default, Error
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

account_reference

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

publickey

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

Name	Type	Description
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).

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.

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