NetApp

View and create a Duo profile

ONTAP 9.14.1 REST API reference

NetApp
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View and create a Duo profile

Security authentication duo profiles endpoint overview

Overview

This API configures the Duo profile for secure shell (SSH).

Examples

Creating a Duo profile

Specify the integration key, secret key, API host, and other necessary information in the body of the POST request. The owner.uuid or owner.name are not required for a cluster-scoped account.

```
# The API:
POST "/api/security/authentication/duo/profiles"

# The call:
curl -k https://<mgmt-ip>/api/security/authentication/duo/profiles
--request POST --data '{"api_host": "api-******.duosecurity.com",
"comment": "test post",  "fail_mode": "safe",  "integration_key":
"AAAA1A11A1AAA1AAA111", "secret_key":
"xxxxxxxxxq1QR20AAaZ6GRi6xxxxxxxxxxxxxxxx"}'

# The response:
{
}
```

Creating a Duo profile for an SVM-scoped account

For an SVM-scoped account, specify either the SVM name as the owner.name or the SVM UUID as the owner.uuid along with other parameters for the Duo profile. These parameters indicate the SVM that the Duo profile is being created on and can be obtained from the response body of the GET request performed on the API "/api/svm/svms".

```
# The API:
POST "/api/security/authentication/duo/profiles"

# The call:
curl -k https://<mgmt-ip>/api/security/authentication/duo/profiles
--request POST --data '{"api_host": "api-******.duosecurity.com",
"comment": "test post",  "fail_mode": "safe",  "integration_key":
"AAAA1A11A1AAA1AAA111", "secret_key":
"xxxxxxxxxgq1QR20AAaZ6GRixxxxxxxxxxxxxxxxx", "owner.name":"vs0" }'

# The response:
{
}
```

Retrieving the configured Duo profile(s)

Retrieves the Duo profiles associated with the owners or filtered list (for a specific SVM and so on).

```
# The API:
GET "/api/security/authentication/duo/profiles"

# The call to retrieve Duo profiles associated with Duo configured cluster
or SVM:
curl -k https://<mgmt-ip>/api/security/authentication/duo/profiles

# the response:
{
"records": [
{
  "owner": {
  "uuid": "5f618c80-d90a-11ed-a6e6-0050568e8ef2",
  "name": "vs0"
}
},
{
"owner": {
"uuid": "f810005a-d908-11ed-a6e6-0050568e8ef2",
"name": "tsmithcluster-1"
}
}
],
"num_records": 2
}
```

Retrieve configured Duo profiles

GET /security/authentication/duo/profiles

Introduced In: 9.14

Retrieves the configured Duo profiles.

Related ONTAP commands

- `security login duo show`

Learn more

- DOC /security/authentication/duo/profiles
- DOC /security/accounts

Parameters

Name	Type	In	Required	Description
owner.uuid	string	query	False	Filter by owner.uuid
owner.name	string	query	False	Filter by owner.name
fail_mode	string	query	False	Filter by fail_mode
api_host	string	query	False	Filter by api_host
comment	string	query	False	Filter by comment
max_prompts	integer	query	False	Filter by max_prompts • Max value: 3 • Min value: 1
http_proxy	string	query	False	Filter by http_proxy
fingerprint	string	query	False	Filter by fingerprint
push_info	boolean	query	False	Filter by push_info
integration_key	string	query	False	Filter by integration_key

Name	Type	In	Required	Description
is_enabled	boolean	query	False	Filter by is_enabled
status	string	query	False	Filter by status
auto_push	boolean	query	False	Filter by auto_push
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
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	
num_records	integer	Number of records.
records	array[duo]	

Name	Type	Description
_links	_links	

Example response

```json
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "_links": {
      "next": {
        "href": "/api/resourcelink"
      },
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "api_host": "api-****.duo.com",
    "auto_push": 1,
    "comment": "string",
    "fail_mode": "safe",
    "fingerprint": "string",
    "http_proxy": "IPaddress:port",
    "is_enabled": 1,
    "max_prompts": 1,
    "owner": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    },
    "push_info": 1,
    "status": "OK"
  }
}
```

Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_error	

Example error

```json
{
  "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	href	
self	href	

_links

Name	Type	Description
self	href	

owner

SVM name and UUID for which the Duo profile is configured.

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.

duo

Duo profile for the SVM or cluster-management server (Cserver).

Name	Type	Description
_links	_links	
api_host	string	The URL at which the Duo API is hosted.
auto_push	boolean	Automatically sends a push notification for authentication when using Duo.

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Name	Type	Description
comment	string	Comment for the Duo profile.
fail_mode	string	Determines the behavior of the system when it cannot communicate with the Duo service.
fingerprint	string	The SHA fingerprint corresponding to the Duo secret key.
http_proxy	string	Specifies the HTTP proxy server to be used when connecting to the Duo service.
integration_key	string	The Integration Key associated with the Duo profile.
is_enabled	boolean	Indicates whether the Duo authentication feature is active or inactive.
max_prompts	integer	The maximum number of authentication attempts allowed for a user before the process is terminated.
owner	owner	SVM name and UUID for which the Duo profile is configured.
push_info	boolean	Additional information sent along with the push notification for Duo authentication.
secret_key	string	The Secret Key associated with the Duo profile.
status	string	Information on the reachability status of Duo.

error_arguments

Name	Type	Description
code	string	Argument code

Name	Type	Description
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.

Create a Duo profile

POST `/security/authentication/duo/profiles`

Introduced In: 9.14

Creates a Duo profile.

Required properties

- `owner.uuid` - Account owner UUID.

Related ONTAP commands

- `security login duo create`

Learn more

- DOC /security/authentication/duo/profiles
- DOC /security/accounts

Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:

Request Body

Name	Type	Description
_links	_links	
api_host	string	The URL at which the Duo API is hosted.
auto_push	boolean	Automatically sends a push notification for authentication when using Duo.
comment	string	Comment for the Duo profile.
fail_mode	string	Determines the behavior of the system when it cannot communicate with the Duo service.
fingerprint	string	The SHA fingerprint corresponding to the Duo secret key.
http_proxy	string	Specifies the HTTP proxy server to be used when connecting to the Duo service.
integration_key	string	The Integration Key associated with the Duo profile.
is_enabled	boolean	Indicates whether the Duo authentication feature is active or inactive.
max_prompts	integer	The maximum number of authentication attempts allowed for a user before the process is terminated.
owner	owner	SVM name and UUID for which the Duo profile is configured.

Name	Type	Description
push_info	boolean	Additional information sent along with the push notification for Duo authentication.
secret_key	string	The Secret Key associated with the Duo profile.
status	string	Information on the reachability status of Duo.

Example request

```json
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "api_host": "api-****.duo.com",
  "auto_push": 1,
  "comment": "string",
  "fail_mode": "safe",
  "fingerprint": "string",
  "http_proxy": "IPaddress:port",
  "is_enabled": 1,
  "max_prompts": 1,
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "push_info": 1,
  "status": "OK"
}
```

Response

```
Status: 201, Created
```

Name	Type	Description
_links	_links	
num_records	integer	Number of records.
records	array[duo]	

Example response

```json
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "_links": {
      "next": {
        "href": "/api/resourcelink"
      },
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "api_host": "api-****.duo.com",
    "auto_push": 1,
    "comment": "string",
    "fail_mode": "safe",
    "fingerprint": "string",
    "http_proxy": "IPaddress:port",
    "is_enabled": 1,
    "max_prompts": 1,
    "owner": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    },
    "push_info": 1,
    "status": "OK"
  }
}
```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

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
next	href	
self	href	

_links

Name	Type	Description
self	href	

owner

SVM name and UUID for which the Duo profile is configured.

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.

duo

Duo profile for the SVM or cluster-management server (Cserver).

Name	Type	Description
_links	_links	
api_host	string	The URL at which the Duo API is hosted.
auto_push	boolean	Automatically sends a push notification for authentication when using Duo.

Name	Type	Description
comment	string	Comment for the Duo profile.
fail_mode	string	Determines the behavior of the system when it cannot communicate with the Duo service.
fingerprint	string	The SHA fingerprint corresponding to the Duo secret key.
http_proxy	string	Specifies the HTTP proxy server to be used when connecting to the Duo service.
integration_key	string	The Integration Key associated with the Duo profile.
is_enabled	boolean	Indicates whether the Duo authentication feature is active or inactive.
max_prompts	integer	The maximum number of authentication attempts allowed for a user before the process is terminated.
owner	owner	SVM name and UUID for which the Duo profile is configured.
push_info	boolean	Additional information sent along with the push notification for Duo authentication.
secret_key	string	The Secret Key associated with the Duo profile.
status	string	Information on the reachability status of Duo.

error_arguments

Name	Type	Description
code	string	Argument code

Name	Type	Description
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.