opConfig Credential Sets API

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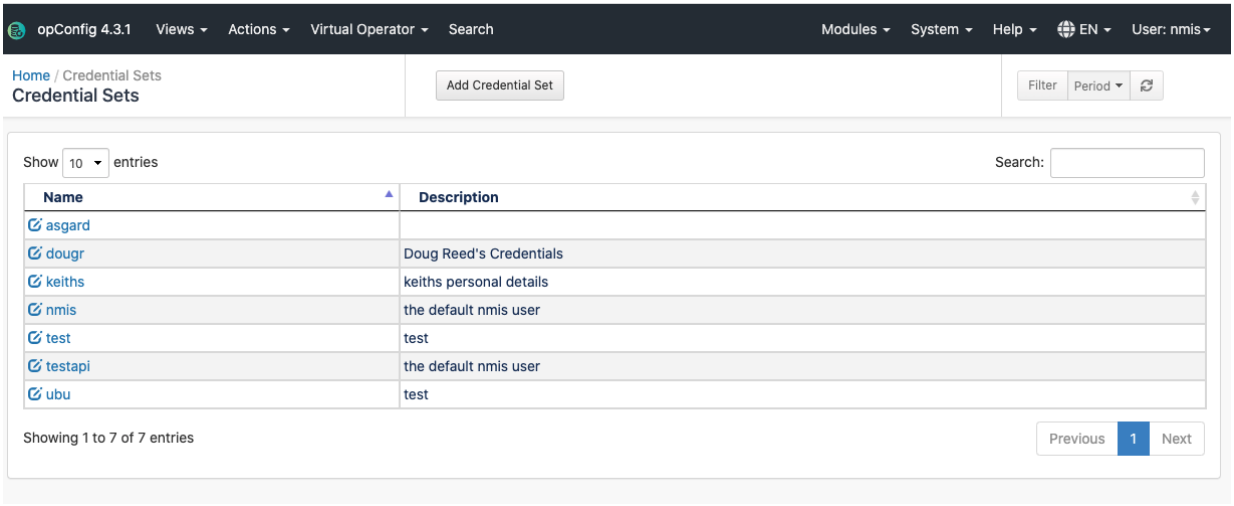
From opConfig 4.3.2, a new API with CRUD operations for credential sets is available under:

http://server/en/omk/opConfig/api/v1/credential_set

Please note, that credential sets can also be managed in the opConfig GUI and the opconfig cli.



Summary

Operation	Method	API
Get a list of Credential Set	GET	http://server/en/omk/opConfig/api/v1/credential_set
Get a Credential Set	GET	http://server/en/omk/opConfig/api/v1/credential_set/NAME
Create a Credential Set	POST	http://server/en/omk/opConfig/api/v1/credential_set
Update a Credential Set	PUT	http://server/en/omk/opConfig/api/v1/credential_set
Delete a Credential Set	DELETE	http://server/en/omk/opConfig/api/v1/credential_set
Assign a Credential Set to a node	POST	http://server/en/omk/opConfig/api/v1/credential_set/NAME/NODE
Unassigns a Credential Set from a node	DELETE	http://server/en/omk/opConfig/api/v1/credential_set/NAME/NODE

Methods

Get

GET http://server/en/omk/opConfig/api/v1/credential_set

Returns a list of credential set (With the password obscured).

Response:

```
{
asgard: {
  always_privileged: "0",
  description: "",
  lastupdate: 1631098471,
  password: "*****",
  password_privileged: "*****",
  setname: "asgard",
  ssh_key: "",
  username: "admin"
},
nmis: {
  always_privileged: "0",
  description: "the default nmis user",
  lastupdate: 1625045906,
  password: "*****",
  password_privileged: "*****",
  setname: "nmis",
  ssh_key: "",
  username: "nmis"
}
}
```

Get

GET http://server/en/omk/opConfig/api/v1/credential_set/nmis

Returns the credential set (With the password obscured).

Response:

```
{
always_privileged: "0",
description: "the default nmis user",
lastupdate: 1625045906,
password: "*****",
password_privileged: "*****",
setname: "nmis",
ssh_key: "",
username: "nmis"
}
```

Create

POST http://server/en/omk/opConfig/api/v1/credential_set

Successful Response

HTTP Status	Body	Description
200	JSON object	Returns the credential set (With the password obscured).

Unsuccessful Response

HTTP Status	Body	Description
422 Unprocessable Entity	String with an error message	Example: A resource called "router1credentials" already exists!

Request example:

```
{"always_privileged": "0",
"description": "the default nmis user",
"setname": "nmis",
"ssh_key": "",
"username": "nmis",
"setname": "testapi2",
"password": "v&SYI2,LQiQ4ZSgCQa"
}
```

Response:

```
{
    "always_privileged": "0",
    "description": "the default nmis user",
    "lastupdate": 1645007389,
    "password": "*****",
    "setname": "testapi2",
    "ssh_key": "",
    "username": "nmis"
}
```

Update

PUT http://server/en/omk/opConfig/api/v1/credential_set/nmis

The name of the credential set is the **setname** property in the create.

Returns the credential set (With the password obscured).

Request example:

```
{"always_privileged": "0",
"description": "new description",
"lastupdate": 1625045906,
"setname": "nmis",
"ssh_key": "",
"username": "nmis",
"setname": "testapi",
"password": "1234"
}
```

Response:

```
{
    "always_privileged": "0",
    "description": "new description",
    "lastupdate": 1645007389,
    "password": "*****",
    "setname": "testapi",
    "ssh_key": "",
    "username": "nmis"
}
```

Remove

DELETE http://server/en/omk/opConfig/api/v1/credential_set/nmis

Returns ok/error.

Response example:

```
"Cannot update nonexistent resource \"testapi2\"!"
```

Assign a credential set to a node

POST http://server/en/omk/opConfig/api/v1/credential_set/nmis/mynode

We can use the node name or the uuid

Returns ok/error.

Response example:

```
"Successfully assigned credential set"
```

Unassign a credential set from a node

DELETE http://server/en/omk/opConfig/api/v1/credential_set/nmis/mynode

We can use the node name or the uuid

Returns ok/error.

Response example:

```
"Successfully unassigned credential set"
```