



Manage Active Directory accounts for an SVM

ONTAP 9.14.1 REST API reference

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Manage Active Directory accounts for an SVM

Protocols active-directory svm.uuid endpoint overview

Overview

You can use this API to display or modify Active Directory account details of the specified SVM. It can also be used to delete an Active Directory account for the specified SVM.

Examples

Retrieving all Active Directory account details of a specific SVM

```
# The API:
GET /api/protocols/active-directory/{svm.uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/active-directory/6dd78167-
c907-11eb-b2bf-0050568e7324" -H "accept: application/json"

# The response:
{
  "svm": {
    "uuid": "6dd78167-c907-11eb-b2bf-0050568e7324",
    "name": "vs1"
  },
  "organizational_unit": "CN=Computers",
  "name": "ACCOUNT1",
  "fqdn": "EXAMPLE.COM"
}
```

Update the Active Directory account details of a specific SVM

```
# The API:
PATCH /api/protocols/active-directory/{svm.uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/active-directory/6dd78167-
c907-11eb-b2bf-0050568e7324" -H "accept: application/json"
      -d "{ \"force_account_overwrite\": true, \"fqdn\":
\"example.com\", \"password\": \"password\", \"username\":
\"administrator\"}"
```

Delete an Active Directory account of a specific SVM

```
# The API:
DELETE /api/protocols/active-directory/{svm.uuid}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/active-directory/6dd78167-
c907-11eb-b2bf-0050568e7324" -H "accept: application/json" -d "{
\"password\": \"password\", \"username\": \"administrator\"}"
```

Delete an Active Directory account for an SVM

```
DELETE /protocols/active-directory/{svm.uuid}
```

Introduced In: 9.12

Deletes the Active Directory account for a given SVM.

Related ONTAP commands

- `vserver active-directory delete`

Important notes

- Active Directory account deletion is asynchronous. Response contains Task UUID and Link that can be queried to get the status.

Parameters

| Name | Type | In | Required | Description |
|----------|--------|------|----------|---|
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |

Request Body

| Name | Type | Description |
|----------|--------|--|
| password | string | Administrator password required for Active Directory account creation. |
| username | string | Administrator username required for Active Directory account creation. |

Example request

```
{
  "password": "testpwd",
  "username": "admin"
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|--|
| 655414 | Failed to remove Active Directory machine. |
| 655431 | Username cannot be empty. |
| 655432 | Password cannot be empty. |

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

| 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

active_directory_delete

| Name | Type | Description |
|----------|--------|--|
| password | string | Administrator password required for Active Directory account creation. |
| username | string | Administrator username required for Active Directory account creation. |

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 an Active Directory account for an SVM

GET /protocols/active-directory/{svm.uuid}

Introduced In: 9.12

Retrieves the Active Directory account for a given SVM.

Related ONTAP commands

- `vserver active-directory show`
- `vserver active-directory preferred-dc show`

- `vserver active-directory discovered-servers show`
- `vserver active-directory discovered-servers reset-servers`

Parameters

| Name | Type | In | Required | Description |
|---------------------------------------|---------------|-------|----------|---|
| <code>reset_discovered_servers</code> | boolean | query | False | Force a rediscovery. • Default value: |
| <code>svm.uuid</code> | string | path | True | UUID of the SVM to which this object belongs. |
| <code>fields</code> | array[string] | query | False | Specify the fields to return. |

Response

Status: 200, Ok

| Name | Type | Description |
|--------------------------------------|---|---|
| <code>discovered_servers</code> | array[discovered_servers] | Specifies the discovered servers records. |
| <code>force_account_overwrite</code> | boolean | If set to true and a machine account exists with the same name as specified in "name" in Active Directory, it will be overwritten and reused. |
| <code>fqdn</code> | string | Fully qualified domain name. |
| <code>name</code> | string | Active Directory (AD) account NetBIOS name. |
| <code>organizational_unit</code> | string | Organizational unit under which the Active Directory account will be created. |
| <code>password</code> | string | Administrator password required for Active Directory account creation, modification and deletion. |

| Name | Type | Description |
|---------------|--|---|
| preferred_dcs | array[preferred_dcs] | Specifies the preferred domain controller (DC) records. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| username | string | Administrator username required for Active Directory account creation, modification and deletion. |

Example response

```
{
  "discovered_servers": {
    "domain": "server1.com",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "preference": "preferred",
    "server": {
      "ip": "7.4.3.1",
      "name": "scspk0659102001",
      "type": "kerberos"
    },
    "state": "ok"
  },
  "force_account_overwrite": "",
  "fqdn": "server1.com",
  "name": "account1",
  "organizational_unit": "CN=Test",
  "password": "testpwd",
  "preferred_dcs": {
    "fqdn": "test.com",
    "server_ip": "4.4.4.4"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "username": "admin"
}
```

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 | |

node

| Name | Type | Description |
|--------|------------------------|-------------|
| _links | _links | |
| name | string | |
| uuid | string | |

active_directory_discovered_server_reference

| Name | Type | Description |
|------|--------|---|
| ip | string | The IP address of the server that was discovered. |
| name | string | Server Name |
| type | string | The type of the server that was discovered. |

discovered_servers

| Name | Type | Description |
|------------|--|--|
| domain | string | The Active Directory domain that the discovered server is a member of. |
| node | node | |
| preference | string | The preference level of the server that was discovered. |
| server | active_directory_discovered_server_reference | |

| Name | Type | Description |
|-------|--------|---|
| state | string | The status of the connection to the server that was discovered. |

preferred_dcs

| Name | Type | Description |
|-----------|--------|---|
| fqdn | string | Fully Qualified Domain Name. |
| server_ip | string | IP address of the preferred DC. The address can be either an IPv4 or an IPv6 address. |

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 |

| Name | Type | Description |
|--------|--------|---|
| target | string | The target parameter that caused the error. |

Modify an Active Directory account for an SVM

PATCH /protocols/active-directory/{svm.uuid}

Introduced In: 9.12

Modifies the Active Directory account for a given SVM.

Related ONTAP commands

- `vserver active-directory modify`

Important notes

- Patching Active Directory account is asynchronous. Response contains Task UUID and Link that can be queried to get the status.

Parameters

| Name | Type | In | Required | Description |
|----------|--------|------|----------|---|
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |

Request Body

| Name | Type | Description |
|-------------------------|---|---|
| discovered_servers | array[discovered_servers] | Specifies the discovered servers records. |
| force_account_overwrite | boolean | If set to true and a machine account exists with the same name as specified in "name" in Active Directory, it will be overwritten and reused. |
| fqdn | string | Fully qualified domain name. |
| name | string | Active Directory (AD) account NetBIOS name. |

| Name | Type | Description |
|---------------------|--|---|
| organizational_unit | string | Organizational unit under which the Active Directory account will be created. |
| password | string | Administrator password required for Active Directory account creation, modification and deletion. |
| preferred_dcs | array[preferred_dcs] | Specifies the preferred domain controller (DC) records. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| username | string | Administrator username required for Active Directory account creation, modification and deletion. |

Example request

```
{
  "discovered_servers": {
    "domain": "server1.com",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "preference": "preferred",
    "server": {
      "ip": "7.4.3.1",
      "name": "scspk0659102001",
      "type": "kerberos"
    },
    "state": "ok"
  },
  "force_account_overwrite": "",
  "fqdn": "server1.com",
  "name": "account1",
  "organizational_unit": "CN=Test",
  "password": "testpwd",
  "preferred_dcs": {
    "fqdn": "test.com",
    "server_ip": "4.4.4.4"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "username": "admin"
}
```


Response

Status: 200, Ok

| Name | Type | Description |
|-------------------------|---|---|
| discovered_servers | array[discovered_servers] | Specifies the discovered servers records. |
| force_account_overwrite | boolean | If set to true and a machine account exists with the same name as specified in "name" in Active Directory, it will be overwritten and reused. |
| fqdn | string | Fully qualified domain name. |
| name | string | Active Directory (AD) account NetBIOS name. |
| organizational_unit | string | Organizational unit under which the Active Directory account will be created. |
| password | string | Administrator password required for Active Directory account creation, modification and deletion. |
| preferred_dcs | array[preferred_dcs] | Specifies the preferred domain controller (DC) records. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| username | string | Administrator username required for Active Directory account creation, modification and deletion. |

Example response

```
{
  "discovered_servers": {
    "domain": "server1.com",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "preference": "preferred",
    "server": {
      "ip": "7.4.3.1",
      "name": "scspk0659102001",
      "type": "kerberos"
    },
    "state": "ok"
  },
  "force_account_overwrite": "",
  "fqdn": "server1.com",
  "name": "account1",
  "organizational_unit": "CN=Test",
  "password": "testpwd",
  "preferred_dcs": {
    "fqdn": "test.com",
    "server_ip": "4.4.4.4"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "username": "admin"
}
```

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|---|
| 656464 | Failed to modify the Active Directory machine account. Reason: Invalid Credentials. |
| 656465 | Failed to create the Active Directory machine account. Reason: An account with this name already exists. |
| 656466 | Failed to create the Active Directory machine account. Reason: Unable to connect to any domain controllers. |
| 656467 | Failed to modify the Active Directory machine account. Reason: Organizational-Unit not found. |
| 656478 | Failed to create the Active Directory machine account. Reason: KDC has no support for encryption type. |

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

| 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 | |

node

| Name | Type | Description |
|--------|------------------------|-------------|
| _links | _links | |
| name | string | |
| uuid | string | |

active_directory_discovered_server_reference

| Name | Type | Description |
|------|--------|---|
| ip | string | The IP address of the server that was discovered. |
| name | string | Server Name |
| type | string | The type of the server that was discovered. |

discovered_servers

| Name | Type | Description |
|------------|--|--|
| domain | string | The Active Directory domain that the discovered server is a member of. |
| node | node | |
| preference | string | The preference level of the server that was discovered. |
| server | active_directory_discovered_server_reference | |

| Name | Type | Description |
|-------|--------|---|
| state | string | The status of the connection to the server that was discovered. |

preferred_dcs

| Name | Type | Description |
|-----------|--------|---|
| fqdn | string | Fully Qualified Domain Name. |
| server_ip | string | IP address of the preferred DC. The address can be either an IPv4 or an IPv6 address. |

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. |

active_directory

| Name | Type | Description |
|-------------------------|---|---|
| discovered_servers | array[discovered_servers] | Specifies the discovered servers records. |
| force_account_overwrite | boolean | If set to true and a machine account exists with the same name as specified in "name" in Active Directory, it will be overwritten and reused. |
| fqdn | string | Fully qualified domain name. |
| name | string | Active Directory (AD) account NetBIOS name. |

| Name | Type | Description |
|---------------------|--|---|
| organizational_unit | string | Organizational unit under which the Active Directory account will be created. |
| password | string | Administrator password required for Active Directory account creation, modification and deletion. |
| preferred_dcs | array[preferred_dcs] | Specifies the preferred domain controller (DC) records. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| username | string | Administrator username required for Active Directory account creation, modification and deletion. |

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. |

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