



# **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	<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

### 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[ <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 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. <ul style="list-style-type: none"> <li>• Default value:</li> </ul>
<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[ <a href="#">discovered_servers</a> ]	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[ <a href="#">preferred_dcs</a> ]	Specifies the preferred domain controller (DC) records.
svm	<a href="#">svm</a>	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	<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>	

node

Name	Type	Description
_links	<a href="#">_links</a>	
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	<a href="#">node</a>	
preference	string	The preference level of the server that was discovered.
server	<a href="#">active_directory_discovered_server_reference</a>	

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
<a href="#">_links</a>	<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
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[ <a href="#">discovered_servers</a> ]	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[ <a href="#">preferred_dcs</a> ]	Specifies the preferred domain controller (DC) records.
svm	<a href="#">svm</a>	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[ <a href="#">discovered_servers</a> ]	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[ <a href="#">preferred_dcs</a> ]	Specifies the preferred domain controller (DC) records.
svm	<a href="#">svm</a>	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	<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>	

node

Name	Type	Description
_links	<a href="#">_links</a>	
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	<a href="#">node</a>	
preference	string	The preference level of the server that was discovered.
server	<a href="#">active_directory_discovered_server_reference</a>	

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
<a href="#">_links</a>	<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.

#### active\_directory

Name	Type	Description
discovered_servers	array[ <a href="#">discovered_servers</a> ]	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[ <a href="#">preferred_dcs</a> ]	Specifies the preferred domain controller (DC) records.
svm	<a href="#">svm</a>	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[ <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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