Manage Active Directory domain controllers

REST API reference

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Manage Active Directory domain controllers

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Overview

You can use this API to display the preferred DC configuration of an SVM.

Retrieving all the preferred DC configurations of an SVM

The preferred DC GET endpoint retrieves all the configurations for a specific SVM.

Examples

Retrieving all fields for all the preferred DC configurations of an SVM

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

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/active-directory/1226670c-
abc9-11eb-8de3-0050568eb0c4/preferred-domain-controllers/?fields=*" -H
"accept: application/json"

# The response:
{
 "records": [
{
  "svm": {
    "uuid": "1226670c-abc9-11eb-8de3-0050568eb0c4",
    "name": "svm1"
  },
  "fqdn": "host1",
  "server_ip": "4.4.4.4"
},
{
  "svm": {
    "uuid": "1226670c-abc9-11eb-8de3-0050568eb0c4",
    "name": "svm1"
  },
  "fqdn": "host2",
  "server_ip": "11.11.11.11"
}
],
 "num_records": 2
}
```

Retrieving the preferred DC configuration of a specific SVM, "fqdn" and "server_ip"

```
# The API:
GET /api/protocols/active-directory/{svm.uuid}/preferred-domain-
controllers/{fqdn}/{server_ip}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/active-directory/1226670c-
abc9-11eb-8de3-0050568eb0c4/preferred-domain-controllers/host1/4.4.4.4" -H
"accept: application/json"

# The response:
{
"svm": {
  "uuid": "1226670c-abc9-11eb-8de3-0050568eb0c4",
  "name": "svm1"
},
"fqdn": "host1",
"server_ip": "4.4.4.4"
}
```

Creating a new preferred DC configuration

The preferred DC POST endpoint creates a new configuration. Both bulk and instance POST is supported.

Examples

Creating a single preferred DC configuration

```
# The API:
POST /api/protocols/active-directory/{svm.uuid}/preferred-domain-
controllers

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/active-directory/1226670c-
abc9-11eb-8de3-0050568eb0c4/preferred-domain-
controllers?skip_config_validation=true&return_records=false" -H "accept:
application/json" -H "Content-Type: application/json" -d "{ \"fqdn\":
\"testing.com\", \"server_ip\": \"1.1.1.1\"}"
```

Deleting an existing preferred DC configuration

The preferred DC DELETE endpoint deletes an existing configuration. Both bulk and instance delete is supported.

Examples

Deleting the preferred DC configuration of a specific SVM, "fqdn" and "server_ip"

```
# The API:
DELETE /api/protocols/active-directory/{svm.uuid}/preferred-domain-
controllers/{fqdn}/{server_ip}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/active-directory/1226670c-
abc9-11eb-8de3-0050568eb0c4/preferred-domain-controllers/sample/4.4.4.4"
```

Deleting the preferred DC configurations of a specific SVM and "fqdn"

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

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/active-directory/1226670c-
abc9-11eb-8de3-0050568eb0c4/preferred-domain-controllers/?fqdn=sampl"
```

Deleting all preferred DC configurations of a specific SVM

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

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/active-directory/1226670c-
abc9-11eb-8de3-0050568eb0c4/preferred-domain-controllers/?fqdn=*"
```

Deleting the preferred DC configurations of a specific SVM, "fqdn" and set of "server_ips"

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

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/active-directory/1226670c-
abc9-11eb-8de3-0050568eb0c4/preferred-domain-
controllers/?fqdn=sample&server_ip=3.3.3.3&#124;4.4.4.4&#124;1.1.1.1&#124;
2.2.2.2"
```

Deleting the preferred DC configurations of a specific SVM and set of "server_ips"

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

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/active-directory/1226670c-
abc9-11eb-8de3-0050568eb0c4/preferred-domain-
controllers/?server_ip=3.3.3.3&#124;4.4.4.4&#124;1.1.1.1&#124;2.2.2.2"
```

Retrieve an Active Directory preferred DC configuration for an SVM

GET `/protocols/active-directory/{svm.uuid}/preferred-domain-controllers`

Introduced In: 9.12

Retrieves the Active Directory preferred DC configuration of an SVM.

Related ONTAP commands

- `vserver active-directory preferred-dc show`

Parameters

Name	Type	In	Required	Description
server_ip	string	query	False	Filter by server_ip
fqdn	string	query	False	Filter by fqdn • maxLength: 254
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.
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. • Default value: 15 • Max value: 120 • Min value: 0
max_records	integer	query	False	Limit the number of records returned.
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 Active Directory preferred DC records.
records	array[active_directory_preferred_dc]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "fqdn": "test.com",
      "server_ip": "4.4.4.4"
    }
  ]
}
```


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	

active_directory_preferred_dc

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.

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.

Create an Active Directory preferred DC configuration for an SVM

POST `/protocols/active-directory/{svm.uuid}/preferred-domain-controllers`

Introduced In: 9.12

Creates an Active Directory preferred DC configuration for an SVM.

Required properties

- `svm.uuid` - Existing SVM in which to create the preferred DC.
- `fqdn` - Fully Qualified Domain Name.
- `server_ip` - IPv4/IPv6 address of the preferred DC.

The following parameters are optional:

- skip_config_validation

Related ONTAP commands

- `vserver active-directory preferred-dc add`

Parameters

Name	Type	In	Required	Description
skip_config_validation	boolean	query	False	Skip the validation of the specified preferred DC configuration. • Default value:
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

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.

Example request

```
{
  "fqdn": "test.com",
  "server_ip": "4.4.4.4"
}
```

Response

```
Status: 201, Created
```

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.

Example response

```
{
  "fqdn": "test.com",
  "server_ip": "4.4.4.4"
}
```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
655366	Invalid domain controller.
655506	Failed to add preferred-dc.
655918	The fully qualified domain name cannot be longer than 254 bytes.
656407	Failed to validate preferred-dc.
656408	RPC failure occurred during preferred-dc config validation.

Also see the table of common errors in the Response body overview section of this documentation.

Definitions

See Definitions

active_directory_preferred_dc

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.

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.

Delete an Active Directory preferred DC configuration for an SVM and domain

DELETE `/protocols/active-directory/{svm.uuid}/preferred-domain-controllers/{fqdn}/{server_ip}`

Introduced In: 9.12

Deletes the Active Directory preferred DC configuration of the specified SVM and domain.

Related ONTAP commands

- `vserver active-directory preferred-dc delete`

Parameters

Name	Type	In	Required	Description
fqdn	string	path	True	Fully Qualified Domain Name.
server_ip	string	path	True	DC's IP address.
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
655507	Failed to remove preferred-dc.

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

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 preferred DC configuration for an SVM and domain

GET `/protocols/active-directory/{svm.uuid}/preferred-domain-controllers/{fqdn}/{server_ip}`

Introduced In: 9.12

Retrieves the Active Directory preferred DC configuration of an SVM.

Related ONTAP commands

- `vserver active-directory preferred-dc show`

Parameters

Name	Type	In	Required	Description
fqdn	string	path	True	Fully Qualified Domain Name.
server_ip	string	path	True	DC's IP address.
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

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.

Example response


```
{
  "fqdn": "test.com",
  "server_ip": "4.4.4.4"
}
```


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

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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