# Manage CIFS DC configuration

## REST API reference

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# Manage CIFS DC configuration

## Manage CIFS DC configuration

### Overview

You can use this API to display a CIFS domain preferred DC configuration of an SVM.

### Retrieving all CIFS domain preferred DC configurations of an SVM

---

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

### Examples

#### Retrieving all the fields of all CIFS domain preferred DC configurations of an SVM

---

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

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/domains/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 CIFS domain preferred DC configuration of a specific SVM, "fqdn" and "server_ip"**

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

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/domains/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 CIFS domain preferred DC configuration

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

## Examples

#### Creating a single CIFS domain preferred DC configuration

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

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/cifs/domains/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 CIFS domain preferred DC configuration

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

## Examples

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

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

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

```
### Deleting the CIFS domain preferred DC configurations of a specific SVM
and "fqdn"
```

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

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

#### Deleting all CIFS domain preferred DC configurations of a specific SVM

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

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

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

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

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/cifs/domains/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 CIFS domain preferred DC configurations of a specific SVM and set of "server_ips"**

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

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/cifs/domains/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 the CIFS domain preferred DC configuration for an SVM

GET `/protocols/cifs/domains/{svm.uuid}/preferred-domain-controllers`

**Introduced In:** 9.10

Retrieves the CIFS domain preferred DC configuration of an SVM.

## Related ONTAP commands

- `vserver cifs domain preferred-dc show`
- `vserver cifs domain preferred-dc check`

## Learn more

- DOC /protocols/cifs/domains/{svm.uuid}/preferred-domain-controllers

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| need_status | boolean | query | False | Retrieves the status of the preferred DCs.<br>• Default value:<br>• Introduced in: 9.12 |
| svm.name | string | query | False | Filter by svm.name<br>• Introduced in: 9.16 |
| server_ip | string | query | False | Filter by server_ip |
| status.details | string | query | False | Filter by status.details<br>• Introduced in: 9.12 |
| status.reachable | boolean | query | False | Filter by status.reachable<br>• Introduced in: 9.12 |
| fqdn | string | query | False | Filter by fqdn |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| 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.<br>• 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.<br>• Default value: 15<br>• Max value: 120<br>• 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 CIFS preferred domain controller records. |

| Name | Type | Description |
|---|---|---|
| records | array[cifs_domain_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",
      "status": {
        "details": "Response time (msec): 111",
        "reachable": 1
      },
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      }
    }
  ]
}
```


## 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 | |

status

Status of CIFS preferred domain controller.

| Name | Type | Description |
|---|---|---|
| details | string | Provides a detailed description of the state if the state is 'down' or the response time of the DNS server if the state is 'up'. |
| reachable | boolean | Indicates whether or not the domain controller is reachable. |

_links

| Name | Type | Description |
|---|---|---|
| self | href | |

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. |

cifs_domain_preferred_dc

| Name | Type | Description |
|---|---|---|
| fqdn | string | Fully Qualified Domain Name. |
| server_ip | string | IP address of the preferred domain controller (DC). The address can be either an IPv4 or an IPv6 address. |
| status | status | Status of CIFS preferred domain controller. |
| svm | svm | SVM, applies only to SVM-scoped objects. |

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 the CIFS domain preferred DC configuration for an SVM

POST `/protocols/cifs/domains/{svm.uuid}/preferred-domain-controllers`

**Introduced In:** 9.10

Creates a CIFS preferred DC configuration for an SVM.

## Important notes

- In the case of bulk POST requests, the create operation should be performed serially since there can be interdependence between records. In order to avoid issues, it is advisable to always use the query parameter "serial_records=true".

## Required properties

- `svm.uuid` - Existing SVM in which to create the preferred-dc.
- `domain` - Fully Qualified Domain Name.
- `server_ip` - IPv4/IPv6 address of the Preferred Domain Controller.

## The following parameters are optional:

- skip_config_validation

## Related ONTAP commands

- `vserver cifs domain preferred-dc add`

## Learn more

- DOC /protocols/cifs/domains/{svm.uuid}/preferred-domain-controllers

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| skip_config_validation | boolean | query | False | Skip the validation of the specified preferred DC configuration.<br>• Default value: |
| return_records | boolean | query | False | The default is false. If set to true, the records are returned.<br>• 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 domain controller (DC). The address can be either an IPv4 or an IPv6 address. |
| status | status | Status of CIFS preferred domain controller. |
| svm | svm | SVM, applies only to SVM-scoped objects. |

**Example request**

```
{
  "fqdn": "test.com",
  "server_ip": "4.4.4.4",
  "status": {
    "details": "Response time (msec): 111",
    "reachable": 1
  },
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

## Response

```
Status: 201, Created
```

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

| Name | Type | Description |
|---|---|---|
| status | status | Status of CIFS preferred domain controller. |
| svm | svm | SVM, applies only to SVM-scoped objects. |

**Example response**


```
{
  "fqdn": "test.com",
  "server_ip": "4.4.4.4",
  "status": {
    "details": "Response time (msec): 111",
    "reachable": 1
  },
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```


**Headers**

| Name | Description | Type |
|---|---|---|
| Location | Useful for tracking the resource location | string |

## Error

```
Status: Default
```

ONTAP Error Response Codes

| Error Code | Description |
|---|---|
| 2621516 | Only data SVMs allowed. |
| 655918 | The fully qualified domain name cannot be longer than 254 bytes. |
| 656408 | RPC failure occurred during the CIFS preferred-dc configuration validation. |

| Error Code | Description |
| --- | --- |
| 656407 | Failed to validate CIFS preferred-dc for domain. Reason: Configuration not found at SecD. Contact technical support for assistance. |
| 655366 | Invalid domain controller. |
| 655506 | Failed to add preferred-dc. |

## Definitions

**See Definitions**

status

Status of CIFS preferred domain controller.

| Name | Type | Description |
|---|---|---|
| details | string | Provides a detailed description of the state if the state is 'down' or the response time of the DNS server if the state is 'up'. |
| reachable | boolean | Indicates whether or not the domain controller is reachable. |

href

| Name | Type | Description |
|---|---|---|
| href | string | |

_links

svm

SVM, applies only to SVM-scoped objects.

| Name | Type | Description |
|---|---|---|
| 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. |

cifs_domain_preferred_dc

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

| Name | Type | Description |
|---|---|---|
| status | status | Status of CIFS preferred domain controller. |
| svm | svm | SVM, applies only to SVM-scoped objects. |

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 the CIFS domain preferred DC configuration for an SVM and domain

DELETE `/protocols/cifs/domains/{svm.uuid}/preferred-domain-controllers/{fqdn}/{server_ip}`

**Introduced In:** 9.10

Deletes the CIFS domain preferred DC configuration of the specified SVM and domain.

## Related ONTAP commands

- `vserver cifs domain preferred-dc delete`

## Learn more

- DOC /protocols/cifs/domains/{svm.uuid}/preferred-domain-controllers

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| fqdn | string | path | True | Fully Qualified Domain Name |
| server_ip | string | path | True | Domain Controller 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. |

| 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 the CIFS domain preferred DC configuration for an SVM and domain

GET `/protocols/cifs/domains/{svm.uuid}/preferred-domain-controllers/{fqdn}/{server_ip}`

**Introduced In:** 9.10

Retrieves the CIFS domain preferred DC configuration of an SVM.

## Related ONTAP commands

- `vserver cifs domain preferred-dc show`
- `vserver cifs domain preferred-dc check`

## Learn more

- DOC /protocols/cifs/domains/{svm.uuid}/preferred-domain-controllers

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| fqdn | string | path | True | Fully Qualified Domain Name |
| server_ip | string | path | True | Domain Controller IP address |
| need_status | boolean | query | False | Retrieves the status of the specified preferred DC.<br>• Introduced in: 9.12<br>• Default value: |
| 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 domain controller (DC). The address can be either an IPv4 or an IPv6 address. |
| status | status | Status of CIFS preferred domain controller. |
| svm | svm | SVM, applies only to SVM-scoped objects. |

**Example response**


```
{
  "fqdn": "test.com",
  "server_ip": "4.4.4.4",
  "status": {
    "details": "Response time (msec): 111",
    "reachable": 1
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```


## 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**

status

Status of CIFS preferred domain controller.

| Name | Type | Description |
|---|---|---|
| details | string | Provides a detailed description of the state if the state is 'down' or the response time of the DNS server if the state is 'up'. |
| reachable | boolean | Indicates whether or not the domain controller is reachable. |

href

| Name | Type | Description |
|---|---|---|
| href | string | |

_links

| Name | Type | Description |
|---|---|---|
| self | href | |

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 |
| target | string | The target parameter that caused the error. |

# Retrieve unapplied group policy objects for all SVMs

GET `/protocols/cifs/group-policies`

**Introduced In:** 9.12

Retrieves group policy objects that are yet to be applied for all SVMs.

## Related ONTAP commands

- `vserver cifs group-policy show-defined`

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| registry_settings.branchcache.supported_hash_version | string | query | False | Filter by registry_settings.branchcache.supported_hash_version |
| registry_settings.branchcache.hash_publication_mode | string | query | False | Filter by registry_settings.branchcache.hash_publication_mode |
| registry_settings.refresh_time_random_offset | string | query | False | Filter by registry_settings.refresh_time_random_offset |
| registry_settings.refresh_time_interval | string | query | False | Filter by registry_settings.refresh_time_interval |

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| name | string | query | False | Filter by name<br>• minLength: 1 |
| svm.name | string | query | False | Filter by svm.name |
| svm.uuid | string | query | False | Filter by svm.uuid |
| central_access_policy_settings | string | query | False | Filter by central_access_policy_settings |
| file_system_path | string | query | False | Filter by file_system_path |
| enabled | boolean | query | False | Filter by enabled |
| central_access_policy_staging_audit_type | string | query | False | Filter by central_access_policy_staging_audit_type |
| ldap_path | string | query | False | Filter by ldap_path |
| extensions | string | query | False | Filter by extensions |
| security_settings.event_audit_settings.object_access_type | string | query | False | Filter by security_settings.event_audit_settings.object_access_type |
| security_settings.event_audit_settings.logon_type | string | query | False | Filter by security_settings.event_audit_settings.logon_type |
| security_settings.restrict_anonymous.no_enumeration_of_sam_accounts | boolean | query | False | Filter by security_settings.restrict_anonymous.no_enumeration_of_sam_accounts |
| security_settings.restrict_anonymous.combined_restriction_for_anonymous_user | string | query | False | Filter by security_settings.restrict_anonymous.combined_restriction_for_anonymous_user |

| Name | Type | In | Required | Description |
| --- | --- | --- | --- | --- |
| security_settings.restrict_anonymous.no_enumeration_of_sam_accounts_and_shares | boolean | query | False | Filter by security_settings.restrict_anonymous.no_enumeration_of_sam_accounts_and_shares |
| security_settings.restrict_anonymous.anonymous_access_to_shares_and_named_pipes_restricted | boolean | query | False | Filter by security_settings.restrict_anonymous.anonymous_access_to_shares_and_named_pipes_restricted |
| security_settings.files_or_folders | string | query | False | Filter by security_settings.files_or_folders |
| security_settings.registry_values.signing_required | boolean | query | False | Filter by security_settings.registry_values.signing_required |
| security_settings.privilege_rights.change_notify_users | string | query | False | Filter by security_settings.privilege_rights.change_notify_users |
| security_settings.privilege_rights.security_privilege_users | string | query | False | Filter by security_settings.privilege_rights.security_privilege_users |
| security_settings.privilege_rights.take_ownership_users | string | query | False | Filter by security_settings.privilege_rights.take_ownership_users |
| security_settings.restricted_groups | string | query | False | Filter by security_settings.restricted_groups |
| security_settings.kerberos.max_ticket_age | string | query | False | Filter by security_settings.kerberos.max_ticket_age |

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| security_settings.kerberos.max_renew_age | string | query | False | Filter by security_settings.kerberos.max_renew_age |
| security_settings.kerberos.max_clock_skew | string | query | False | Filter by security_settings.kerberos.max_clock_skew |
| security_settings.event_log_settings.max_size | integer | query | False | Filter by security_settings.event_log_settings.max_size |
| security_settings.event_log_settings.retention_method | string | query | False | Filter by security_settings.event_log_settings.retention_method |
| link | string | query | False | Filter by link |
| version | integer | query | False | Filter by version |
| index | integer | query | False | Filter by index |
| uuid | string | query | False | Filter by uuid |
| 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.<br>• Default value: 1 |

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| 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.<br>• Default value: 15<br>• Max value: 120<br>• 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 central access rules. |
| records | array[policies_and_rules_to_be_applied] | |

**Example response**


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "to_be_applied": {
        "access_policies": [
          {
            "create_time": "2018-01-01 12:00:00 -0400",
            "description": "policy #1",
            "member_rules": [
              "r1",
              "r2"
            ],
            "name": "p1",
            "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
            "svm": {
              "_links": {
                "self": {
                  "href": "/api/resourcelink"
                }
              },
              "name": "svm1",
              "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
            },
            "update_time": "2018-01-01 12:00:00 -0400"
          }
        ],
```

```
        "access_rules": [
          {
            "create_time": "2018-01-01 12:00:00 -0400",
            "current_permission": "O:SYG:SYD:AR(A;;FA;;;WD)",
            "description": "rule #1",
            "name": "p1",
            "proposed_permission":
"O:SYG:SYD:(A;;FA;;;OW)(A;;FA;;;BA)(A;;FA;;;SY)",
            "resource_criteria": "department",
            "svm": {
              "_links": {
                "self": {
                  "href": "/api/resourcelink"
                }
              },
              "name": "svm1",
              "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
            },
            "update_time": "2018-01-01 12:00:00 -0400"
          }
        ],
        "objects": [
          {
            "central_access_policy_settings": [
              "p1",
              "p2"
            ],
            "central_access_policy_staging_audit_type": "none",
            "extensions": [
              "audit",
              "security"
            ],
            "file_system_path": "\\test.com\\SysVol\\test.com\\
policies\\{42474212-3f9d-4489-ae01-6fcf4f805d4c}",
            "index": 1,
            "ldap_path": "cn={42474212-3f9d-4489-ae01-
6fcf4f805d4c},cn=policies,cn=system,DC=TEST,DC=COM",
            "link": "domain",
            "name": "test_policy",
            "registry_settings": {
              "branchcache": {
                "hash_publication_mode": "disabled",
                "supported_hash_version": "version1"
              },
              "refresh_time_interval": "P15M",
              "refresh_time_random_offset": "P1D"
```

```
      },
      "security_settings": {
        "event_audit_settings": {
          "logon_type": "failure",
          "object_access_type": "failure"
        },
        "event_log_settings": {
          "max_size": 2048,
          "retention_method": "do_not_overwrite"
        },
        "files_or_folders": [
          "/vol1/home",
          "/vol1/dir1"
        ],
        "kerberos": {
          "max_clock_skew": "P15M",
          "max_renew_age": "P2D",
          "max_ticket_age": "P24H"
        },
        "privilege_rights": {
          "change_notify_users": [
            "usr1",
            "usr2"
          ],
          "security_privilege_users": [
            "usr1",
            "usr2"
          ],
          "take_ownership_users": [
            "usr1",
            "usr2"
          ]
        },
        "restrict_anonymous": {
          "combined_restriction_for_anonymous_user": "no_access"
        },
        "restricted_groups": [
          "test_grp1",
          "test_grp2"
        ]
      },
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
```

```
            },
            "name": "svm1",
            "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
          },
          "uuid": "42474212-3f9d-4489-ae01-6fcf4f805d4c",
          "version": 7
        }
      ],
      "restricted_groups": [
        {
          "group_name": "test_group",
          "link": "domain",
          "members": [
            "DOMAIN/test_user",
            "DOMAIN/user2"
          ],
          "memberships": [
            "DOMAIN/AdministratorGrp",
            "DOMAIN/deptMark"
          ],
          "policy_name": "test_policy",
          "svm": {
            "_links": {
              "self": {
                "href": "/api/resourcelink"
              }
            },
            "name": "svm1",
            "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
          },
          "version": 7
        }
      ]
    }
  ]
}
```


## 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 | |

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. |

svm

Will not be populated for objects that are yet to be applied.

| 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. |

group_policy_object_central_access_policy

| Name | Type | Description |
|---|---|---|
| create_time | string | Policy creation timestamp. |
| description | string | Description about the policy. |
| member_rules | array[string] | Names of all central access rules applied to members. |
| name | string | |
| sid | string | Security ID, unique identifier of the central policy. |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| update_time | string | Last policy modification timestamp. |

group_policy_object_central_access_rule

| Name | Type | Description |
|---|---|---|
| create_time | string | Policy creation timestamp. |
| current_permission | string | Effective security policy in security descriptor definition language format. |
| description | string | Description about the policy. |
| name | string | |
| proposed_permission | string | Proposed security policy in security descriptor definition language format. |
| resource_criteria | string | Criteria to scope resources for which access rules apply. |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| update_time | string | Last policy modification timestamp. |

group_policy_object_branchcache

| Name | Type | Description |
|---|---|---|
| hash_publication_mode | string | Hash publication mode. |
| supported_hash_version | string | Hash version. |

group_policy_object_registry_setting

| Name | Type | Description |
|---|---|---|
| branchcache | group_policy_object_branchcache | |
| refresh_time_interval | string | Refresh time interval in ISO-8601 format. |
| refresh_time_random_offset | string | Random offset in ISO-8601 format. |

group_policy_object_event_audit

| Name | Type | Description |
|---|---|---|
| logon_type | string | Type of logon event to be audited. |
| object_access_type | string | Type of object access to be audited. |

group_policy_object_event_log

| Name | Type | Description |
|---|---|---|
| max_size | integer | Maximum size of security log, in kilobytes. |
| retention_method | string | Audit log retention method. |

group_policy_object_kerberos

| Name | Type | Description |
|---|---|---|
| max_clock_skew | string | Kerberos clock skew in ISO-8601 format. |
| max_renew_age | string | Kerberos max renew age in ISO-8601 format. |

| Name | Type | Description |
|---|---|---|
| max_ticket_age | string | Kerberos max ticket age in ISO-8601 format. |

group_policy_object_privilege_right

| Name | Type | Description |
|---|---|---|
| change_notify_users | array[string] | Users with traversing bypass privileges. |
| security_privilege_users | array[string] | Users with security privileges. |
| take_ownership_users | array[string] | Users who can take ownership of securable objects. |

group_policy_object_registry_value

| Name | Type | Description |
|---|---|---|
| signing_required | boolean | SMB signing required. |

group_policy_object_restrict_anonymous

| Name | Type | Description |
|---|---|---|
| anonymous_access_to_shares_and_named_pipes_restricted | boolean | Restrict anonymous access to shares and named pipes. |
| combined_restriction_for_anonymous_user | string | Combined restriction for anonymous user. |
| no_enumeration_of_sam_accounts | boolean | No enumeration of SAM accounts. |
| no_enumeration_of_sam_accounts_and_shares | boolean | No enumeration of SAM accounts and shares. |

group_policy_object_security_setting

| Name | Type | Description |
|---|---|---|
| event_audit_settings | group_policy_object_event_audit | |
| event_log_settings | group_policy_object_event_log | |
| files_or_folders | array[string] | Files/Directories for file security. |

| Name | Type | Description |
|---|---|---|
| kerberos | group_policy_object_kerberos | |
| privilege_rights | group_policy_object_privilege_right | |
| registry_values | group_policy_object_registry_value | |
| restrict_anonymous | group_policy_object_restrict_anonymous | |
| restricted_groups | array[string] | List of restricted groups. |

group_policy_object

| Name | Type | Description |
|---|---|---|
| central_access_policy_settings | array[string] | List of central access policies. |
| central_access_policy_staging_audit_type | string | Types of events to be audited. |
| enabled | boolean | Specifies whether group policies are enabled for the SVM. |
| extensions | array[string] | List of extensions. |
| file_system_path | string | File system path. |
| index | integer | Group policy object index. |
| ldap_path | string | LDAP path to the GPO. |
| link | string | Link info. |
| name | string | |
| registry_settings | group_policy_object_registry_setting | |
| security_settings | group_policy_object_security_setting | |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| uuid | string | Policy UUID. |
| version | integer | Group policy object version. |

group_policy_object_restricted_group

| Name | Type | Description |
|---|---|---|
| group_name | string | |
| link | string | Link info. |
| members | array[string] | Members of the group. |
| memberships | array[string] | Group is member of Group/OU. |
| policy_name | string | |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| version | integer | Group policy object version. |

to_be_applied

| Name | Type | Description |
|---|---|---|
| access_policies | array[group_policy_object_central_access_policy] | |
| access_rules | array[group_policy_object_central_access_rule] | |
| objects | array[group_policy_object] | |
| restricted_groups | array[group_policy_object_restricted_group] | |

policies_and_rules_to_be_applied

| Name | Type | Description |
|---|---|---|
| svm | svm | SVM, applies only to SVM-scoped objects. |
| to_be_applied | to_be_applied | |

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 unapplied group policy objects for an SVM

GET `/protocols/cifs/group-policies/{svm.uuid}`

**Introduced In:** 9.12

Retrieves group policy objects that are yet to be applied for specified SVM.

## Related ONTAP commands

- `vserver cifs group-policy show-defined`

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| 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 |
|---|---|---|
| svm | svm | SVM, applies only to SVM-scoped objects. |
| to_be_applied | to_be_applied | |

**Example response**


```
{
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "to_be_applied": {
    "access_policies": [
      {
        "create_time": "2018-01-01 12:00:00 -0400",
        "description": "policy #1",
        "member_rules": [
          "r1",
          "r2"
        ],
        "name": "p1",
        "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
        "svm": {
          "_links": {
            "self": {
              "href": "/api/resourcelink"
            }
          },
          "name": "svm1",
          "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
        },
        "update_time": "2018-01-01 12:00:00 -0400"
      }
    ],
    "access_rules": [
      {
        "create_time": "2018-01-01 12:00:00 -0400",
        "current_permission": "O:SYG:SYD:AR(A;;FA;;;WD)",
        "description": "rule #1",
        "name": "p1",
        "proposed_permission":
"O:SYG:SYD:(A;;FA;;;OW)(A;;FA;;;BA)(A;;FA;;;SY)",
        "resource_criteria": "department",
        "svm": {
          "_links": {
```

```
            "self": {
              "href": "/api/resourcelink"
            }
          },
          "name": "svm1",
          "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
        },
        "update_time": "2018-01-01 12:00:00 -0400"
      }
    ],
    "objects": [
      {
        "central_access_policy_settings": [
          "p1",
          "p2"
        ],
        "central_access_policy_staging_audit_type": "none",
        "extensions": [
          "audit",
          "security"
        ],
        "file_system_path": "\\test.com\\SysVol\\test.com\\policies
\\{42474212-3f9d-4489-ae01-6fcf4f805d4c}",
        "index": 1,
        "ldap_path": "cn={42474212-3f9d-4489-ae01-
6fcf4f805d4c},cn=policies,cn=system,DC=TEST,DC=COM",
        "link": "domain",
        "name": "test_policy",
        "registry_settings": {
          "branchcache": {
            "hash_publication_mode": "disabled",
            "supported_hash_version": "version1"
          },
          "refresh_time_interval": "P15M",
          "refresh_time_random_offset": "P1D"
        },
        "security_settings": {
          "event_audit_settings": {
            "logon_type": "failure",
            "object_access_type": "failure"
          },
          "event_log_settings": {
            "max_size": 2048,
            "retention_method": "do_not_overwrite"
          },
          "files_or_folders": [
```

```
            "/vol1/home",
            "/vol1/dir1"
          ],
          "kerberos": {
            "max_clock_skew": "P15M",
            "max_renew_age": "P2D",
            "max_ticket_age": "P24H"
          },
          "privilege_rights": {
            "change_notify_users": [
              "usr1",
              "usr2"
            ],
            "security_privilege_users": [
              "usr1",
              "usr2"
            ],
            "take_ownership_users": [
              "usr1",
              "usr2"
            ]
          },
          "restrict_anonymous": {
            "combined_restriction_for_anonymous_user": "no_access"
          },
          "restricted_groups": [
            "test_grp1",
            "test_grp2"
          ]
        },
        "svm": {
          "_links": {
            "self": {
              "href": "/api/resourcelink"
            }
          },
          "name": "svm1",
          "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
        },
        "uuid": "42474212-3f9d-4489-ae01-6fcf4f805d4c",
        "version": 7
      }
    ],
    "restricted_groups": [
      {
        "group_name": "test_group",
```

```
        "link": "domain",
        "members": [
          "DOMAIN/test_user",
          "DOMAIN/user2"
        ],
        "memberships": [
          "DOMAIN/AdministratorGrp",
          "DOMAIN/deptMark"
        ],
        "policy_name": "test_policy",
        "svm": {
          "_links": {
            "self": {
              "href": "/api/resourcelink"
            }
          },
          "name": "svm1",
          "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
        },
        "version": 7
      }
    ]
  }
}
```


## 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 | |

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. |

svm

Will not be populated for objects that are yet to be applied.

| 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. |

group_policy_object_central_access_policy

| Name | Type | Description |
|---|---|---|
| create_time | string | Policy creation timestamp. |

| Name | Type | Description |
|---|---|---|
| description | string | Description about the policy. |
| member_rules | array[string] | Names of all central access rules applied to members. |
| name | string | |
| sid | string | Security ID, unique identifier of the central policy. |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| update_time | string | Last policy modification timestamp. |

group_policy_object_central_access_rule

| Name | Type | Description |
|---|---|---|
| create_time | string | Policy creation timestamp. |
| current_permission | string | Effective security policy in security descriptor definition language format. |
| description | string | Description about the policy. |
| name | string | |
| proposed_permission | string | Proposed security policy in security descriptor definition language format. |
| resource_criteria | string | Criteria to scope resources for which access rules apply. |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| update_time | string | Last policy modification timestamp. |

group_policy_object_branchcache

| Name | Type | Description |
| --- | --- | --- |
| hash_publication_mode | string | Hash publication mode. |
| supported_hash_version | string | Hash version. |

group_policy_object_registry_setting

| Name | Type | Description |
| --- | --- | --- |
| branchcache | group_policy_object_branchcache | |
| refresh_time_interval | string | Refresh time interval in ISO-8601 format. |
| refresh_time_random_offset | string | Random offset in ISO-8601 format. |

group_policy_object_event_audit

| Name | Type | Description |
| --- | --- | --- |
| logon_type | string | Type of logon event to be audited. |
| object_access_type | string | Type of object access to be audited. |

group_policy_object_event_log

| Name | Type | Description |
| --- | --- | --- |
| max_size | integer | Maximum size of security log, in kilobytes. |
| retention_method | string | Audit log retention method. |

group_policy_object_kerberos

| Name | Type | Description |
| --- | --- | --- |
| max_clock_skew | string | Kerberos clock skew in ISO-8601 format. |
| max_renew_age | string | Kerberos max renew age in ISO-8601 format. |

| Name | Type | Description |
| --- | --- | --- |
| max_ticket_age | string | Kerberos max ticket age in ISO-8601 format. |

group_policy_object_privilege_right

| Name | Type | Description |
| --- | --- | --- |
| change_notify_users | array[string] | Users with traversing bypass privileges. |
| security_privilege_users | array[string] | Users with security privileges. |
| take_ownership_users | array[string] | Users who can take ownership of securable objects. |

group_policy_object_registry_value

| Name | Type | Description |
| --- | --- | --- |
| signing_required | boolean | SMB signing required. |

group_policy_object_restrict_anonymous

| Name | Type | Description |
| --- | --- | --- |
| anonymous_access_to_shares_and_named_pipes_restricted | boolean | Restrict anonymous access to shares and named pipes. |
| combined_restriction_for_anonymous_user | string | Combined restriction for anonymous user. |
| no_enumeration_of_sam_accounts | boolean | No enumeration of SAM accounts. |
| no_enumeration_of_sam_accounts_and_shares | boolean | No enumeration of SAM accounts and shares. |

group_policy_object_security_setting

| Name | Type | Description |
| --- | --- | --- |
| event_audit_settings | group_policy_object_event_audit | |
| event_log_settings | group_policy_object_event_log | |
| files_or_folders | array[string] | Files/Directories for file security. |

| Name | Type | Description |
|---|---|---|
| kerberos | group_policy_object_kerberos | |
| privilege_rights | group_policy_object_privilege_right | |
| registry_values | group_policy_object_registry_value | |
| restrict_anonymous | group_policy_object_restrict_anonymous | |
| restricted_groups | array[string] | List of restricted groups. |

group_policy_object

| Name | Type | Description |
|---|---|---|
| central_access_policy_settings | array[string] | List of central access policies. |
| central_access_policy_staging_audit_type | string | Types of events to be audited. |
| enabled | boolean | Specifies whether group policies are enabled for the SVM. |
| extensions | array[string] | List of extensions. |
| file_system_path | string | File system path. |
| index | integer | Group policy object index. |
| ldap_path | string | LDAP path to the GPO. |
| link | string | Link info. |
| name | string | |
| registry_settings | group_policy_object_registry_setting | |
| security_settings | group_policy_object_security_setting | |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| uuid | string | Policy UUID. |
| version | integer | Group policy object version. |

group_policy_object_restricted_group

| Name | Type | Description |
|---|---|---|
| group_name | string | |
| link | string | Link info. |
| members | array[string] | Members of the group. |
| memberships | array[string] | Group is member of Group/OU. |
| policy_name | string | |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| version | integer | Group policy object version. |

to_be_applied

| Name | Type | Description |
|---|---|---|
| access_policies | array[group_policy_object_central_access_policy] | |
| access_rules | array[group_policy_object_central_access_rule] | |
| objects | array[group_policy_object] | |
| restricted_groups | array[group_policy_object_restricted_group] | |

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. |

# Create a background task to update the GPO settings for an SVM

PATCH `/protocols/cifs/group-policies/{svm.uuid}`

**Introduced In:** 9.12

Creates a background task to update the GPO settings for the specified SVM. Note: The group policy can be enabled or disabled using "group_policy_object_enabled" field in PATCH "/protocols/cifs/services/{svm.uuid}" API.

## Related ONTAP commands

- `vserver cifs group-policy update`

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| apply_updates | boolean | query | False | Indicates whether to apply updates or not.<br>• Default value: 1 |
| force_reapply_all_settings | boolean | query | False | Indicates whether or not a re-applying of all settings is enforced.<br>• Default value: |
| 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 |
|---|---|
| 4456649 | Unable to get Group Policy information for SVM. |
| 4456650 | Group Policy is disabled for SVM. |
| 4456651 | Unable to get CIFS server information for SVM. |
| 4456652 | CIFS server is down for SVM. |
| 4456851 | An update is already in progress for specified SVM. Wait a few minutes, then try the command again. |
| 4456852 | Failed to set forced update for specified SVM. Reason: Internal error. Starting normal update. |

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

## 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 applied central access policies for an SVM

GET `/protocols/cifs/group-policies/{svm.uuid}/central-access-policies`

**Introduced In:** 9.12

Retrieves applied central access policies for specified SVM.

## Related ONTAP commands

- `vserver cifs group-policy central-access-policy show-applied`

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| name | string | query | False | Filter by name<br>• minLength: 1 |
| update_time | string | query | False | Filter by update_time |
| svm.name | string | query | False | Filter by svm.name |
| description | string | query | False | Filter by description |
| create_time | string | query | False | Filter by create_time |
| sid | string | query | False | Filter by sid |
| member_rules | string | query | False | Filter by member_rules |
| 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.<br>• Default value: 1 |

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| 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.<br>• Default value: 15<br>• Max value: 120<br>• 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 central access policies. |
| records | array[group_policy_object_central_access_policy] | |

**Example response**


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "create_time": "2018-01-01 12:00:00 -0400",
      "description": "policy #1",
      "member_rules": [
        "r1",
        "r2"
      ],
      "name": "p1",
      "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "update_time": "2018-01-01 12:00:00 -0400"
    }
  ]
}
```


## 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 | |

svm

Will not be populated for objects that are yet to be applied.

| 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. |

group_policy_object_central_access_policy

| Name | Type | Description |
|---|---|---|
| create_time | string | Policy creation timestamp. |
| description | string | Description about the policy. |
| member_rules | array[string] | Names of all central access rules applied to members. |
| name | string | |

| Name | Type | Description |
|---|---|---|
| sid | string | Security ID, unique identifier of the central policy. |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| update_time | string | Last policy modification timestamp. |

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 applied central access policy for an SVM

GET `/protocols/cifs/group-policies/{svm.uuid}/central-access-policies/{name}`

**Introduced In:** 9.12

Retrieves applied central access policy for specified SVM.

## Related ONTAP commands

- `vserver cifs group-policy central-access-policy show-applied`

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| name | string | path | True | Central access policy name. |
| 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 |
|---|---|---|
| create_time | string | Policy creation timestamp. |
| description | string | Description about the policy. |
| member_rules | array[string] | Names of all central access rules applied to members. |
| name | string | |
| sid | string | Security ID, unique identifier of the central policy. |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| update_time | string | Last policy modification timestamp. |

### Example response


```
{
  "create_time": "2018-01-01 12:00:00 -0400",
  "description": "policy #1",
  "member_rules": [
    "r1",
    "r2"
  ],
  "name": "p1",
  "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "update_time": "2018-01-01 12:00:00 -0400"
}
```


## 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 | |

svm

Will not be populated for objects that are yet to be applied.

| 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 |
| target | string | The target parameter that caused the error. |

# Retrieve applied central access rules for an SVM

GET `/protocols/cifs/group-policies/{svm.uuid}/central-access-rules`

**Introduced In:** 9.12

Retrieves applied central access rules for specified SVM.

## Related ONTAP commands

- `vserver cifs group-policy central-access-rule show-applied`

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| description | string | query | False | Filter by description |
| update_time | string | query | False | Filter by update_time |
| svm.name | string | query | False | Filter by svm.name |
| name | string | query | False | Filter by name<br>• minLength: 1 |
| proposed_permission | string | query | False | Filter by proposed_permission |
| resource_criteria | string | query | False | Filter by resource_criteria |
| create_time | string | query | False | Filter by create_time |
| current_permission | string | query | False | Filter by current_permission |
| svm.uuid | string | path | True | UUID of the SVM to which this object belongs. |
| fields | array[string] | query | False | Specify the fields to return. |

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| return_records | boolean | query | False | The default is true for GET calls. When set to false, only the number of records is returned.<br>• 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.<br>• Default value: 15<br>• Max value: 120<br>• 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 central access rules. |
| records | array[group_policy_object_central_access_rule] | |

**Example response**


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "create_time": "2018-01-01 12:00:00 -0400",
      "current_permission": "O:SYG:SYD:AR(A;;FA;;;WD)",
      "description": "rule #1",
      "name": "p1",
      "proposed_permission":
"O:SYG:SYD:(A;;FA;;;OW)(A;;FA;;;BA)(A;;FA;;;SY)",
      "resource_criteria": "department",
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "update_time": "2018-01-01 12:00:00 -0400"
    }
  ]
}
```


## 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 | |

svm

Will not be populated for objects that are yet to be applied.

| 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. |

group_policy_object_central_access_rule

| Name | Type | Description |
|---|---|---|
| create_time | string | Policy creation timestamp. |
| current_permission | string | Effective security policy in security descriptor definition language format. |
| description | string | Description about the policy. |
| name | string | |

| Name | Type | Description |
|---|---|---|
| proposed_permission | string | Proposed security policy in security descriptor definition language format. |
| resource_criteria | string | Criteria to scope resources for which access rules apply. |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| update_time | string | Last policy modification timestamp. |

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 applied central access rule for an SVM

GET `/protocols/cifs/group-policies/{svm.uuid}/central-access-rules/{name}`

**Introduced In:** 9.12

Retrieves applied central access rule for specified SVM.

## Related ONTAP commands

- `vserver cifs group-policy central-access-rule show-applied`

## Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| name | string | path | True | Central access rule name. |
| 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 |
|---|---|---|
| create_time | string | Policy creation timestamp. |
| current_permission | string | Effective security policy in security descriptor definition language format. |
| description | string | Description about the policy. |
| name | string | |
| proposed_permission | string | Proposed security policy in security descriptor definition language format. |
| resource_criteria | string | Criteria to scope resources for which access rules apply. |
| svm | svm | Will not be populated for objects that are yet to be applied. |
| update_time | string | Last policy modification timestamp. |

### Example response


```
{
  "create_time": "2018-01-01 12:00:00 -0400",
  "current_permission": "O:SYG:SYD:AR(A;;FA;;;WD)",
  "description": "rule #1",
  "name": "p1",
  "proposed_permission":
"O:SYG:SYD:(A;;FA;;;OW)(A;;FA;;;BA)(A;;FA;;;SY)",
  "resource_criteria": "department",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "update_time": "2018-01-01 12:00:00 -0400"
}
```


## 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 | |

svm

Will not be populated for objects that are yet to be applied.

| 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 |
| target | string | The target parameter that caused the error. |

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