



# Manage CIFS DC configuration

## ONTAP 9.13.1 REST API reference

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# Manage CIFS DC configuration

## Protocols CIFS domains svm.uuid preferred-domain-controllers endpoint overview

### 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

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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. <ul style="list-style-type: none"><li>• Default value:</li><li>• Introduced in: 9.12</li></ul>
server_ip	string	query	False	Filter by server_ip
status.reachable	boolean	query	False	Filter by status.reachable <ul style="list-style-type: none"><li>• Introduced in: 9.12</li></ul>
status.details	string	query	False	Filter by status.details <ul style="list-style-type: none"><li>• Introduced in: 9.12</li></ul>
fqdn	string	query	False	Filter by fqdn
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. <ul style="list-style-type: none"> <li>• Default value: 1</li> </ul>
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. <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>
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	<a href="#">_links</a>	
num_records	integer	Number of CIFS preferred domain controller records.
records	array[ <a href="#">cifs_domain_preferred_dc</a> ]	

## 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
      }
    }
  ]
}
```

## Error

Status: Default, Error

Name	Type	Description
error	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	<a href="#">href</a>	
self	<a href="#">href</a>	

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.

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	<a href="#">status</a>	Status of CIFS preferred domain controller.

error\_arguments

Name	Type	Description
code	string	Argument code

Name	Type	Description
message	string	Message argument

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.

## 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. <ul style="list-style-type: none"><li>• Default value:</li></ul>
return_records	boolean	query	False	The default is false. If set to true, the records are returned. <ul style="list-style-type: none"><li>• Default value:</li></ul>
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	<a href="#">status</a>	Status of CIFS preferred domain controller.

## Example request

```
{
  "fqdn": "test.com",
  "server_ip": "4.4.4.4",
  "status": {
    "details": "Response time (msec): 111",
    "reachable": 1
  }
}
```

## 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.
status	<a href="#">status</a>	Status of CIFS preferred domain controller.

## Example response

```
{
  "fqdn": "test.com",
  "server_ip": "4.4.4.4",
  "status": {
    "details": "Response time (msec): 111",
    "reachable": 1
  }
}
```

## 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.
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.

Name	Type	Description
error	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.

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	<a href="#">status</a>	Status of CIFS preferred domain controller.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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.

## 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	<a href="#">error</a>	

### 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

### 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 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. <ul style="list-style-type: none"> <li>• Introduced in: 9.12</li> <li>• Default value:</li> </ul>
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	<a href="#">status</a>	Status of CIFS preferred domain controller.

## Example response

```
{
  "fqdn": "test.com",
  "server_ip": "4.4.4.4",
  "status": {
    "details": "Response time (msec): 111",
    "reachable": 1
  }
}
```

## Error

Status: Default, Error

Name	Type	Description
error	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.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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 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
name	string	query	False	Filter by name <ul style="list-style-type: none"><li>• minLength: 1</li></ul>
extensions	string	query	False	Filter by extensions
central_access_policy_settings	string	query	False	Filter by central_access_policy_settings
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
link	string	query	False	Filter by link
central_access_policy_staging_audit_type	string	query	False	Filter by central_access_policy_staging_audit_type
uuid	string	query	False	Filter by uuid
security_settings.restricted_groups	string	query	False	Filter by security_settings.restricted_groups

Name	Type	In	Required	Description
security_settings.event_audit_settings.logon_type	string	query	False	Filter by security_settings.event_audit_settings.logon_type
security_settings.event_audit_settings.object_access_type	string	query	False	Filter by security_settings.event_audit_settings.object_access_type
security_settings.kerberos.max_clock_skew	string	query	False	Filter by security_settings.kerberos.max_clock_skew
security_settings.kerberos.max_renew_age	string	query	False	Filter by security_settings.kerberos.max_renew_age
security_settings.kerberos.max_ticket_age	string	query	False	Filter by security_settings.kerberos.max_ticket_age
security_settings.files_or_folders	string	query	False	Filter by security_settings.files_or_folders
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

Name	Type	In	Required	Description
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.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.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.combined_restriction_for_anonymous_user	string	query	False	Filter by security_settings.restrict_anonymous.combined_restriction_for_anonymous_user
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
security_settings.registry_values.signing_required	boolean	query	False	Filter by security_settings.registry_values.signing_required
version	integer	query	False	Filter by version
enabled	boolean	query	False	Filter by enabled
index	integer	query	False	Filter by index

Name	Type	In	Required	Description
ldap_path	string	query	False	Filter by ldap_path
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
file_system_path	string	query	False	Filter by file_system_path
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: 1 • 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	<a href="#">_links</a>	
num_records	integer	Number of central access rules.
records	array[ <a href="#">policies_and_rules_to_be_applied</a> ]	

## 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 11:00:00 -0500",
            "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 11:00:00 -0500"
          }
        ]
      }
    }
  ],
}
```

```

"access_rules": [
  {
    "create_time": "2018-01-01 11:00:00 -0500",
    "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 11:00:00 -0500"
  }
],
"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	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	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

svm

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

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

group\_policy\_object\_central\_access\_policy

Name	Type	Description
create_time	string	Policy creation timestamp.
description	string	Description about the policy.

Name	Type	Description
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	<a href="#">svm</a>	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	<a href="#">svm</a>	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.

Name	Type	Description
supported_hash_version	string	Hash version.

#### group\_policy\_object\_registry\_setting

Name	Type	Description
branchcache	<a href="#">group_policy_object_branchcache</a>	
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.
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	<a href="#">group_policy_object_event_audit</a>	
event_log_settings	<a href="#">group_policy_object_event_log</a>	
files_or_folders	array[string]	Files/Directories for file security.
kerberos	<a href="#">group_policy_object_kerberos</a>	
privilege_rights	<a href="#">group_policy_object_privilege_right</a>	
registry_values	<a href="#">group_policy_object_registry_value</a>	

Name	Type	Description
restrict_anonymous	<a href="#">group_policy_object_restrict_anonymous</a>	
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	<a href="#">group_policy_object_registry_setting</a>	
security_settings	<a href="#">group_policy_object_security_setting</a>	
svm	<a href="#">svm</a>	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.

Name	Type	Description
members	array[string]	Members of the group.
memberships	array[string]	Group is member of Group/OU.
policy_name	string	
svm	<a href="#">svm</a>	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[ <a href="#">group_policy_object_central_access_policy</a> ]	
access_rules	array[ <a href="#">group_policy_object_central_access_rule</a> ]	
objects	array[ <a href="#">group_policy_object</a> ]	
restricted_groups	array[ <a href="#">group_policy_object_restricted_group</a> ]	

#### policies\_and\_rules\_to\_be\_applied

Name	Type	Description
svm	<a href="#">svm</a>	
to_be_applied	<a href="#">to_be_applied</a>	

#### error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

#### error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code



Name	Type	Description
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	<a href="#">svm</a>	
to_be_applied	<a href="#">to_be_applied</a>	

## 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 11:00:00 -0500",
        "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 11:00:00 -0500"
      }
    ],
    "access_rules": [
      {
        "create_time": "2018-01-01 11:00:00 -0500",
        "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": "svml",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    },
    "update_time": "2018-01-01 11:00:00 -0500"
}
],
"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": [

```

```

    "/voll/home",
    "/voll/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	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	<a href="#">href</a>	

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

svm

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

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

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.

Name	Type	Description
svm	<a href="#">svm</a>	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	<a href="#">svm</a>	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	<a href="#">group_policy_object_branchcache</a>	



Name	Type	Description
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.
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.

Name	Type	Description
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	<a href="#">group_policy_object_event_audit</a>	
event_log_settings	<a href="#">group_policy_object_event_log</a>	
files_or_folders	array[string]	Files/Directories for file security.
kerberos	<a href="#">group_policy_object_kerberos</a>	
privilege_rights	<a href="#">group_policy_object_privilege_right</a>	
registry_values	<a href="#">group_policy_object_registry_value</a>	
restrict_anonymous	<a href="#">group_policy_object_restrict_anonymous</a>	
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	<a href="#">group_policy_object_registry_setting</a>	
security_settings	<a href="#">group_policy_object_security_setting</a>	
svm	<a href="#">svm</a>	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	

Name	Type	Description
svm	<a href="#">svm</a>	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[ <a href="#">group_policy_object_central_access_policy</a> ]	
access_rules	array[ <a href="#">group_policy_object_central_access_rule</a> ]	
objects	array[ <a href="#">group_policy_object</a> ]	
restricted_groups	array[ <a href="#">group_policy_object_restricted_group</a> ]	

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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.

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

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

**Introduced In:** 9.12

Will create a background task to update the GPO settings for specified SVM.

## 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. <ul style="list-style-type: none"><li>• Default value: 1</li></ul>
force_reapply_all_settings	boolean	query	False	Indicates whether or not a re-applying of all settings is enforced. <ul style="list-style-type: none"><li>• Default value:</li></ul>
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.

Error Code	Description
4456852	Failed to set forced update for specified SVM. Reason: Internal error. Starting normal update.

Name	Type	Description
error	<a href="#">error</a>	

### 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

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 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
description	string	query	False	Filter by description
sid	string	query	False	Filter by sid
svm.name	string	query	False	Filter by svm.name

Name	Type	In	Required	Description
member_rules	string	query	False	Filter by member_rules
create_time	string	query	False	Filter by create_time
update_time	string	query	False	Filter by update_time
name	string	query	False	Filter by name <ul style="list-style-type: none"> <li>• minLength: 1</li> </ul>
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. <ul style="list-style-type: none"> <li>• Default value: 1</li> </ul>
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. <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>
max_records	integer	query	False	Limit the number of records returned.



Name	Type	In	Required	Description
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
num_records	integer	Number of central access policies.
records	array[ <a href="#">group_policy_object_central_access_policy</a> ]	

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "create_time": "2018-01-01 11:00:00 -0500",
      "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": "svml",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "update_time": "2018-01-01 11:00:00 -0500"
    }
  ]
}
```

## Error

Status: Default, Error

Name	Type	Description
error	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	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

svm

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

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

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	<a href="#">svm</a>	Will not be populated for objects that are yet to be applied.

Name	Type	Description
update_time	string	Last policy modification timestamp.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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 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.

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
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	<a href="#">svm</a>	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 11:00:00 -0500",
  "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 11:00:00 -0500"
}
```

## Error

Status: Default, Error

Name	Type	Description
error	<a href="#">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>	

svm

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

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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 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
create_time	string	query	False	Filter by create_time
proposed_permission	string	query	False	Filter by proposed_permission
name	string	query	False	Filter by name <ul style="list-style-type: none"><li>• minLength: 1</li></ul>
description	string	query	False	Filter by description
current_permission	string	query	False	Filter by current_permission
update_time	string	query	False	Filter by update_time
resource_criteria	string	query	False	Filter by resource_criteria
svm.name	string	query	False	Filter by svm.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.

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. <ul style="list-style-type: none"> <li>• Default value: 1</li> </ul>
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. <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>
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	<a href="#">_links</a>	
num_records	integer	Number of central access rules.
records	array[ <a href="#">group_policy_object_central_access_rule</a> ]	

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "create_time": "2018-01-01 11:00:00 -0500",
      "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 11:00:00 -0500"
    }
  ]
}
```

## Error

Status: Default, Error

Name	Type	Description
error	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	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

svm

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

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

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.

Name	Type	Description
resource_criteria	string	Criteria to scope resources for which access rules apply.
svm	<a href="#">svm</a>	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

#### 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 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	<a href="#">svm</a>	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 11:00:00 -0500",
  "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 11:00:00 -0500"
}
```

## Error

Status: Default, Error

Name	Type	Description
error	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	<a href="#">href</a>	

svm

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

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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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