



## **View and update CIFS domain-related information (specific SVM)**

ONTAP 9.13.1 REST API reference

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# View and update CIFS domain-related information (specific SVM)

## Protocols CIFS domains svm.uuid endpoint overview

### Overview

Displays CIFS domain-related information of the specified SVM.

### Examples

#### Retrieving all the fields of CIFS domain configurations of a specific SVM

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

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

# The response:
{
  "svm": {
    "uuid": "6dd78167-c907-11eb-b2bf-0050568e7324",
    "name": "vs2"
  },
  "name_mapping": {
    "trusted_domains": [
      "SERVER03.COM",
      "SERVER04.COM"
    ]
  },
  "server_discovery_mode": "all",
  "trust_relationships": [
    {
      "node": {
        "name": "vsNode2",
        "uuid": "4d9400f0-c84b-11eb-90ab-0050568e7324"
      },
      "home_domain": "SERVER02.COM",
      "trusted_domains": [
        "SERVER02.COM"
      ]
    }
  ]
}
```

```

    }
  ],
  "discovered_servers": [
    {
      "node": {
        "name": "vsNode2",
        "uuid": "4d9400f0-c84b-11eb-90ab-0050568e7324"
      },
      "domain": "server02.com",
      "server_type": "kerberos",
      "server_name": "scspb0659002001",
      "server_ip": "192.168.20.1",
      "preference": "preferred",
      "state": "undetermined"
    },
    {
      "node": {
        "name": "vsNode2",
        "uuid": "4d9400f0-c84b-11eb-90ab-0050568e7324"
      },
      "domain": "server02.com",
      "server_type": "ms_ldap",
      "server_name": "scspb0659002001",
      "server_ip": "192.168.20.1",
      "preference": "preferred",
      "state": "undetermined"
    },
    {
      "node": {
        "name": "vsNode2",
        "uuid": "4d9400f0-c84b-11eb-90ab-0050568e7324"
      },
      "domain": "server02.com",
      "server_type": "ms_dc",
      "server_name": "scspb0659002001",
      "server_ip": "192.168.20.1",
      "preference": "preferred",
      "state": "undetermined"
    }
  ],
  "preferred_dcs": [
    {
      "fqdn": "server02.com",
      "server_ip": "192.168.20.1"
    }
  ],

```

```
"password_schedule": {
  "schedule_enabled": false,
  "schedule_weekly_interval": 4,
  "schedule_randomized_minute": 120,
  "schedule_description": "Tue@1:00"
}
}
```

---

## Applying rediscover\_trusts query parameter and retrieving all the fields of CIFS domain configurations

---

```
# The API:
GET /api/protocols/cifs/domains/{svm.uuid}?rediscover_trusts=true

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/domains/6dd78167-c907-11eb-b2bf-0050568e7324?rediscover_trusts=true" -H "accept: application/json"

# The response:
{
  "svm": {
    "uuid": "6dd78167-c907-11eb-b2bf-0050568e7324",
    "name": "vs2"
  },
  "name_mapping": {
    "trusted_domains": [
      "SERVER03.COM",
      "SERVER04.COM"
    ]
  },
  "server_discovery_mode": "all",
  "trust_relationships": [
    {
      "node": {
        "name": "vsNode1",
        "uuid": "a64c0906-c7dd-11eb-af15-0050568e403e"
      },
      "home_domain": "SERVER02.COM",
      "trusted_domains": [
        "SERVER02.COM"
      ]
    },
  ],
}
```

```

{
  "node": {
    "name": "vsNode2",
    "uuid": "4d9400f0-c84b-11eb-90ab-0050568e7324"
  },
  "home_domain": "SERVER02.COM",
  "trusted_domains": [
    "SERVER02.COM"
  ]
},
],
"discovered_servers": [
  {
    "node": {
      "name": "vsNode2",
      "uuid": "4d9400f0-c84b-11eb-90ab-0050568e7324"
    },
    "domain": "server02.com",
    "server_type": "kerberos",
    "server_name": "scspb0659002001",
    "server_ip": "192.168.20.1",
    "preference": "preferred",
    "state": "undetermined"
  },
  {
    "node": {
      "name": "vsNode2",
      "uuid": "4d9400f0-c84b-11eb-90ab-0050568e7324"
    },
    "domain": "server02.com",
    "server_type": "ms_ldap",
    "server_name": "scspb0659002001",
    "server_ip": "192.168.20.1",
    "preference": "preferred",
    "state": "undetermined"
  },
  {
    "node": {
      "name": "vsNode2",
      "uuid": "4d9400f0-c84b-11eb-90ab-0050568e7324"
    },
    "domain": "server02.com",
    "server_type": "ms_dc",
    "server_name": "scspb0659002001",
    "server_ip": "192.168.20.1",
    "preference": "preferred",
  }
]

```

```

    "state": "undetermined"
  }
],
"preferred_dcs": [
  {
    "fqdn": "server02.com",
    "server_ip": "192.168.20.1"
  }
],
"password_schedule": {
  "schedule_enabled": false,
  "schedule_weekly_interval": 4,
  "schedule_randomized_minute": 120,
  "schedule_description": "Tue@1:00"
}
}

```

## Modifying the Password Schedule of CIFS domain configurations of a specific SVM

```

# The API:
PATCH /api/protocols/cifs/domains/{svm.uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/domains/a83f816a-c873-11ed-a3b2-0050568e278e" -H "accept: application/json" -d "{
  \"password_schedule\": { \"schedule_enabled\": \"true\" } }"

```

## Modifying the discovery-mode of CIFS domain configurations of a specific SVM

```

# The API:
PATCH /api/protocols/cifs/domains/{svm.uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/domains/a83f816a-c873-11ed-a3b2-0050568e278e" -H "accept: application/json" -d "{
  \"server_discovery_mode\": \"site\" }"

```

# Retrieve the CIFS domain-related information for an SVM

GET /protocols/cifs/domains/{svm.uuid}

Introduced In: 9.10

Retrieves the CIFS domain-related information of the specified SVM.

## Important notes

GET operation with query parameter `rediscover_trusts` and `reset_discovered_servers` returns available CIFS domain configurations and also triggers trusts rediscovery and discovered servers reset asynchronously for that SVM.

## Related ONTAP commands

- `vserver cifs domain preferred-dc show`
- `vserver cifs domain trusts show`
- `vserver cifs domain discovered-servers show`
- `vserver cifs domain name-mapping-search show`
- `vserver cifs domain password schedule show`
- `vserver cifs domain discovered-servers discovery-mode show`

## Learn more

- [DOC /protocols/cifs/domains/{svm.uuid}](#)

## Parameters

Name	Type	In	Required	Description
rediscover_trusts	boolean	query	False	Force the discovery of trusted domains.  • Default value:
reset_discovered_servers	boolean	query	False	Force a rediscovery.  • 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
discovered_servers	array[ <a href="#">discovered_servers</a> ]	Specifies the discovered servers records.
name_mapping	<a href="#">name_mapping</a>	Specifies the name mapping search records.
password_schedule	<a href="#">password_schedule</a>	Specifies the password schedule records.
preferred_dcs	array[ <a href="#">preferred_dcs</a> ]	Specifies the preferred DC records.
server_discovery_mode	string	Specifies the mode of server discovery.
svm	<a href="#">svm</a>	
trust_relationships	array[ <a href="#">trust_relationships</a> ]	Specifies the trusted domain records.

## Example response

```
{
  "discovered_servers": {
    "domain": "test.com",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "preference": "unknown",
    "server_type": "unknown",
    "state": "ok"
  },
  "name_mapping": {
    "trusted_domains": {
    }
  },
  "password_schedule": {
    "schedule_day_of_week": "Sunday",
    "schedule_description": "string",
    "schedule_last_changed_time": "string",
    "schedule_time_of_day": 36900,
    "schedule_warn_message": "string"
  },
  "preferred_dcs": {
    "fqdn": "test.com",
    "server_ip": "4.4.4.4",
    "status": {
      "details": "Response time (msec): 111",
      "reachable": 1
    }
  },
  "server_discovery_mode": "all",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

```

    },
    "trust_relationships": {
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "trusted_domains": {
      }
    }
  }
}

```

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
656463	SVM UUID must be provided for a query on the field rediscover_trusts and reset_discovered_servers.

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>	

node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

discovered\_servers

Name	Type	Description
domain	string	Fully Qualified Domain Name.
node	<a href="#">node</a>	
preference	string	Server Preference
server_ip	string	Server IP address
server_name	string	Server Name
server_type	string	Server Type
state	string	Server status

name\_mapping

Specifies the name mapping search records.

Name	Type	Description
trusted_domains	array[string]	

password\_schedule

Specifies the password schedule records.

Name	Type	Description
schedule_day_of_week	string	Day of the week for password change schedule.
schedule_description	string	Schedule description.
schedule_enabled	boolean	Is password schedule enabled.
schedule_last_changed_time	string	Last successful password change time.
schedule_randomized_minute	integer	Minutes within which schedule start can be randomized.
schedule_time_of_day	string	Start time for password change schedule.
schedule_warn_message	string	Warning message in case job is deleted.
schedule_weekly_interval	integer	Interval in weeks for password change schedule.

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.

preferred\_dcs

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

svm

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

trust\_relationships

Name	Type	Description
home_domain	string	Home Domain Name
node	<a href="#">node</a>	
trusted_domains	array[string]	Trusted Domain Name

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.

# Update the CIFS domain-related information for an SVM

PATCH /protocols/cifs/domains/{svm.uuid}

Introduced In: 9.13

Modifies the CIFS domain-related information of the specified SVM.

## Related ONTAP commands

- `vserver cifs domain password schedule modify`
- `vserver cifs domain discovered-servers discovery-mode modify`

## Learn more

- [DOC /protocols/cifs/domains/{svm.uuid}](#)

## Parameters

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

## Request Body

Name	Type	Description
discovered_servers	array[ <a href="#">discovered_servers</a> ]	Specifies the discovered servers records.
name_mapping	<a href="#">name_mapping</a>	Specifies the name mapping search records.
password_schedule	<a href="#">password_schedule</a>	Specifies the password schedule records.
preferred_dcs	array[ <a href="#">preferred_dcs</a> ]	Specifies the preferred DC records.
server_discovery_mode	string	Specifies the mode of server discovery.
svm	<a href="#">svm</a>	
trust_relationships	array[ <a href="#">trust_relationships</a> ]	Specifies the trusted domain records.



## Example request

```
{
  "discovered_servers": {
    "domain": "test.com",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "preference": "unknown",
    "server_type": "unknown",
    "state": "ok"
  },
  "name_mapping": {
    "trusted_domains": {
    }
  },
  "password_schedule": {
    "schedule_day_of_week": "Sunday",
    "schedule_description": "string",
    "schedule_last_changed_time": "string",
    "schedule_time_of_day": 36900,
    "schedule_warn_message": "string"
  },
  "preferred_dcs": {
    "fqdn": "test.com",
    "server_ip": "4.4.4.4",
    "status": {
      "details": "Response time (msec): 111",
      "reachable": 1
    }
  },
  "server_discovery_mode": "all",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

```

},
"trust_relationships": {
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "trusted_domains": {
  }
}
}

```

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
656392	Preferred DC's need to be configured if CIFS discovery mode is set to none.
656393	Default site needs to be configured if CIFS discovery mode is set to site.

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>	

node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

discovered\_servers

Name	Type	Description
domain	string	Fully Qualified Domain Name.
node	<a href="#">node</a>	
preference	string	Server Preference
server_ip	string	Server IP address
server_name	string	Server Name
server_type	string	Server Type
state	string	Server status

name\_mapping

Specifies the name mapping search records.

Name	Type	Description
trusted_domains	array[string]	

password\_schedule

Specifies the password schedule records.

Name	Type	Description
schedule_day_of_week	string	Day of the week for password change schedule.
schedule_description	string	Schedule description.
schedule_enabled	boolean	Is password schedule enabled.
schedule_last_changed_time	string	Last successful password change time.
schedule_randomized_minute	integer	Minutes within which schedule start can be randomized.
schedule_time_of_day	string	Start time for password change schedule.
schedule_warn_message	string	Warning message in case job is deleted.
schedule_weekly_interval	integer	Interval in weeks for password change schedule.

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.

preferred\_dcs

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

svm

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

trust\_relationships

Name	Type	Description
home_domain	string	Home Domain Name
node	<a href="#">node</a>	
trusted_domains	array[string]	Trusted Domain Name

cifs\_domain

Name	Type	Description
discovered_servers	array[ <a href="#">discovered_servers</a> ]	Specifies the discovered servers records.
name_mapping	<a href="#">name_mapping</a>	Specifies the name mapping search records.
password_schedule	<a href="#">password_schedule</a>	Specifies the password schedule records.
preferred_dcs	array[ <a href="#">preferred_dcs</a> ]	Specifies the preferred DC records.
server_discovery_mode	string	Specifies the mode of server discovery.
svm	<a href="#">svm</a>	
trust_relationships	array[ <a href="#">trust_relationships</a> ]	Specifies the trusted domain records.

## 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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