



## **View CIFS domain-related information**

ONTAP 9.12.1 REST API reference

NetApp

February 13, 2024

This PDF was generated from [https://docs.netapp.com/us-en/ontap-restapi-9121/ontap/protocols\\_cifs\\_domains\\_endpoint\\_overview.html](https://docs.netapp.com/us-en/ontap-restapi-9121/ontap/protocols_cifs_domains_endpoint_overview.html) on February 13, 2024. Always check docs.netapp.com for the latest.

# Table of Contents

- View CIFS domain-related information . . . . . 1
  - Protocols CIFS domains endpoint overview . . . . . 1
  - Retrieve CIFS domain-related information of all SVMs . . . . . 5

# View CIFS domain-related information

## Protocols CIFS domains endpoint overview

### Overview

Displays CIFS domain-related information of all SVMs.

### Examples

#### Retrieving all the fields of CIFS domain configurations of all SVMs

```
# The API:
GET /api/protocols/cifs/domains

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/domains/?fields=*" -H
"accept: application/json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "09cc9c9a-c7df-11eb-af15-0050568e403e",
        "name": "vs1"
      },
      "name_mapping": {
        "trusted_domains": [
          "SERVER02.COM",
          "SERVER03.COM"
        ]
      },
      "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": 6,
  "schedule_randomized_minute": 120,
  "schedule_description": "Sun@1:00"
},
{
  "svm": {
    "uuid": "6dd78167-c907-11eb-b2bf-0050568e7324",
    "name": "vs2"
  },
  "name_mapping": {
    "trusted_domains": [
      "SERVER03.COM",
      "SERVER04.COM"
    ]
  },
  "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"
    }
  }
],
"num_records": 2
}

```

## Retrieve CIFS domain-related information of all SVMs

GET /protocols/cifs/domains

**Introduced In:** 9.10

Retrieves the CIFS domain-related information of all SVMs.

### 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 schedule show`

### Learn more

- [DOC /protocols/cifs/domains](#)

### Parameters

Name	Type	In	Required	Description
preferred_dcs.status .details	string	query	False	Filter by preferred_dcs.status .details <ul style="list-style-type: none"> <li>• Introduced in: 9.12</li> </ul>

Name	Type	In	Required	Description
preferred_dcs.status. .reachable	boolean	query	False	Filter by preferred_dcs.status. .reachable  • Introduced in: 9.12
preferred_dcs.fqdn	string	query	False	Filter by preferred_dcs.fqdn
preferred_dcs.server _ip	string	query	False	Filter by preferred_dcs.server _ip
discovered_servers. domain	string	query	False	Filter by discovered_servers. domain
discovered_servers. preference	string	query	False	Filter by discovered_servers. preference
discovered_servers. server_type	string	query	False	Filter by discovered_servers. server_type
discovered_servers. server_ip	string	query	False	Filter by discovered_servers. server_ip
discovered_servers. server_name	string	query	False	Filter by discovered_servers. server_name
discovered_servers. node.uuid	string	query	False	Filter by discovered_servers. node.uuid
discovered_servers. node.name	string	query	False	Filter by discovered_servers. node.name
discovered_servers. state	string	query	False	Filter by discovered_servers. state



Name	Type	In	Required	Description
trust_relationships.home_domain	string	query	False	Filter by trust_relationships.home_domain
trust_relationships.node.uuid	string	query	False	Filter by trust_relationships.node.uuid
trust_relationships.node.name	string	query	False	Filter by trust_relationships.node.name
trust_relationships.trusted_domains	string	query	False	Filter by trust_relationships.trusted_domains
password_schedule.schedule_randomized_minute	integer	query	False	Filter by password_schedule.schedule_randomized_minute <ul style="list-style-type: none"> <li>• Max value: 180</li> <li>• Min value: 1</li> </ul>
password_schedule.schedule_description	string	query	False	Filter by password_schedule.schedule_description
password_schedule.schedule_weekly_interval	integer	query	False	Filter by password_schedule.schedule_weekly_interval <ul style="list-style-type: none"> <li>• Max value: 52</li> <li>• Min value: 1</li> </ul>
password_schedule.schedule_warn_message	string	query	False	Filter by password_schedule.schedule_warn_message
password_schedule.schedule_enabled	boolean	query	False	Filter by password_schedule.schedule_enabled

Name	Type	In	Required	Description
password_schedule.schedule_last_changed_time	string	query	False	Filter by password_schedule.schedule_last_changed_time
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
name_mapping.trusted_domains	string	query	False	Filter by name_mapping.trusted_domains
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	<p>The default is true for GET calls. When set to false, only the number of records is returned.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> </ul>
return_timeout	integer	query	False	<p>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.</p> <ul style="list-style-type: none"> <li>• Max value: 120</li> <li>• Min value: 0</li> <li>• Default value: 1</li> </ul>

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 CIFS domain records.
records	array[ <a href="#">cifs_domain</a> ]	

## Example response

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

```

## 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>	

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_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_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.



Name	Type	Description
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.

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

Name	Type	Description
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.

## Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

## Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.