



## **View NetBIOS information**

### **REST API reference**

NetApp  
September 09, 2025

This PDF was generated from [https://docs.netapp.com/us-en/ontap-restapi-9161/protocols\\_cifs\\_netbios\\_endpoint\\_overview.html](https://docs.netapp.com/us-en/ontap-restapi-9161/protocols_cifs_netbios_endpoint_overview.html) on September 09, 2025. Always check docs.netapp.com for the latest.

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# View NetBIOS information

## Protocols CIFS netbios endpoint overview

Displays information about NBT connections for the cluster. Displays the IP address associated with the interfaces, the IP addresses of the WINS servers in use, and information about the registered NetBIOS names for the cluster. You can use this command to troubleshoot NetBIOS name resolution problems.

### Examples

#### Retrieving full CIFS NetBIOS information for all SVMs in the cluster

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

# The call:
curl -X GET "https://<mgmt-
ip>/api/protocols/cifs/netbios?return_timeout=15&fields=*&return_records=t
rue" -H "accept: application/json" -H "authorization: Basic
YWRtaW46bmV0YXBwMSE="

# The response:
{
  "records": [
    {
      "node": {
        "uuid": "c2179c2c-777f-11ec-95a1-1315568ef5fd",
        "name": "vsim2"
      },
      "svm": {
        "name": "vs1",
        "uuid": "99a3bd71-777f-11ec-95a1-1315568ef5fd"
      },
      "name": "CIFSERVER2",
      "interfaces": [
        "172.10.144.44"
      ],
      "wins_servers": [
        {
          "ip": "10.10.10.10",
          "state": "inactive"
        }
      ],
      "scope": "group",
```

```

    "mode": "h",
    "state": "broadcast",
    "time_left": 0,
    "name_registration_type": "",
    "suffix": "00"
  },
  {
    "node": {
      "uuid": "c2179c2c-777f-11ec-95a1-1315568ef5fd",
      "name": "vsim2"
    },
    "svm": {
      "name": "vs1",
      "uuid": "99a3bd71-777f-11ec-95a1-1315568ef5fd"
    },
    "name": "CIFSERVER2",
    "interfaces": [
      "172.10.144.44"
    ],
    "wins_servers": [
      {
        "ip": "10.10.10.10",
        "state": "inactive"
      }
    ],
    "scope": "",
    "mode": "h",
    "state": "broadcast",
    "time_left": 0,
    "name_registration_type": "group",
    "suffix": "20"
  }
],
"num_records": 2
}

```

---

## Retrieving CIFS NetBIOS Information for a particular SVM

---

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

# The call:
curl -X GET "https://<mgmt-
ip>/api/protocols/cifs/netbios?svm.uuid=45a3bd71-777f-11ec-95a1-
1315568ef5fd&return_timeout=15&fields=*&return_records=true" -H "accept:
application/json" -H "authorization: Basic YWRtaW46bmV0YXBwMSE="

# The response:
{
  "records": [
    {
      "node": {
        "uuid": "c2179c2c-777f-11ec-95a1-1315568ef5fd",
        "name": "vsim2"
      },
      "svm": {
        "name": "vs1",
        "uuid": "45a3bd71-777f-11ec-95a1-1315568ef5fd"
      },
      "name": "CIFSERVER2",
      "interfaces": [
        "172.10.144.44"
      ],
      "wins_servers": [
        {
          "ip": "10.10.10.10",
          "state": "inactive"
        }
      ],
      "scope": "group",
      "mode": "h",
      "state": "broadcast",
      "time_left": 0,
      "name_registration_type": "",
      "suffix": "00"
    }
  ],
  "num_records": 1
}
```

# Retrieve NetBIOS information

GET /protocols/cifs/netbios

Introduced In: 9.11

Retrieves NetBIOS information.

## Related ONTAP commands

- `vserver cifs nbtstat`

## Learn more

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

## Parameters

| Name                   | Type    | In    | Required | Description                      |
|------------------------|---------|-------|----------|----------------------------------|
| suffix                 | string  | query | False    | Filter by suffix                 |
| scope                  | string  | query | False    | Filter by scope                  |
| state                  | string  | query | False    | Filter by state                  |
| name_registration_type | string  | query | False    | Filter by name_registration_type |
| time_left              | integer | query | False    | Filter by time_left              |
| wins_servers.ip        | string  | query | False    | Filter by wins_servers.ip        |
| wins_servers.state     | string  | query | False    | Filter by wins_servers.state     |
| node.uuid              | string  | query | False    | Filter by node.uuid              |
| node.name              | string  | query | False    | Filter by node.name              |
| name                   | string  | query | False    | Filter by name                   |
| svm.name               | string  | query | False    | Filter by svm.name               |
| svm.uuid               | string  | query | False    | Filter by svm.uuid               |

| Name           | Type          | In    | Required | Description                                                                                                                                                                                                                                                                                                                                          |
|----------------|---------------|-------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| mode           | string        | query | False    | Filter by mode                                                                                                                                                                                                                                                                                                                                       |
| interfaces     | string        | query | False    | Filter by interfaces                                                                                                                                                                                                                                                                                                                                 |
| 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>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul> |
| 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>                                                                                                                                                                            |
| 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 Records. |
| records     | array[ <a href="#">netbios</a> ] |                    |

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "interfaces": [
        [
          "10.10.10.35"
        ]
      ],
      "mode": "string",
      "name": "CLUSTER_1",
      "name_registration_type": "string",
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "scope": "string",
      "state": "string",
      "suffix": "string",
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "time_left": 0,
      "wins_servers": [
        {
```

```

        "ip": "10.224.65.20",
        "state": "string"
      }
    ]
  }
}

```

## Error

Status: Default, Error

| Name  | Type                           | Description |
|-------|--------------------------------|-------------|
| error | <a href="#">returned_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 |
|------|----------------------|-------------|
| 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                 |             |

svm

SVM, applies only to SVM-scoped objects.

| Name   | Type                   | Description                                                                         |
|--------|------------------------|-------------------------------------------------------------------------------------|
| _links | <a href="#">_links</a> |                                                                                     |
| 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. |

server

| Name  | Type   | Description                                                                                                                                                                |
|-------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ip    | string | Windows Internet Name Server (WINS) address which manages and maps the NetBIOS name of the CIFS server to their network IP addresses. The IP addresses are IPv4 addresses. |
| state | string | Specifies the state of the WINS server.                                                                                                                                    |

#### netbios

| Name                   | Type                 | Description                                                                                                                                                                                                                              |
|------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| interfaces             | array[string]        |                                                                                                                                                                                                                                          |
| mode                   | string               | Specifies the mode in which the NetBIOS name service is configured. The supported values are: <ul style="list-style-type: none"> <li>• p - Point to Point</li> <li>• h - Hybrid</li> <li>• m - Mixed</li> <li>• b - Broadcast</li> </ul> |
| name                   | string               | Specifies the NetBIOS name.                                                                                                                                                                                                              |
| name_registration_type | string               | Specifies the name registration type.                                                                                                                                                                                                    |
| node                   | <a href="#">node</a> |                                                                                                                                                                                                                                          |
| scope                  | string               | Specifies the NetBIOS name scope. Scope is used as a name for the set of NetBIOS nodes that participate in a NetBIOS over TCP (NBT) virtual LAN.                                                                                         |
| state                  | string               | Specifies the registration state of the NetBIOS Name.                                                                                                                                                                                    |

| Name         | Type                            | Description                                                                                                                                                                                                                      |
|--------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| suffix       | string                          | Specifies the NetBIOS suffix. A NetBIOS suffix is the 16th character of the 16-character NetBIOS name. The NetBIOS suffix is used by Microsoft Networking software to identify functionality installed on the registered device. |
| svm          | <a href="#">svm</a>             | SVM, applies only to SVM-scoped objects.                                                                                                                                                                                         |
| time_left    | integer                         | Specifies the registration time left with WINS, in minutes.                                                                                                                                                                      |
| wins_servers | array[ <a href="#">server</a> ] | List of WINS                                                                                                                                                                                                                     |

#### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

#### returned\_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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