View NetBIOS information

REST API reference

NetApp
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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 clsuter

```
# 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 nbstat`

Learn more

- DOC /protocols/cifs/netbios

Parameters

Name	Type	In	Required	Description
mode	string	query	False	Filter by mode
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
interfaces	string	query	False	Filter by interfaces
node.uuid	string	query	False	Filter by node.uuid
node.name	string	query	False	Filter by node.name
wins_servers.ip	string	query	False	Filter by wins_servers.ip
wins_servers.state	string	query	False	Filter by wins_servers.state
state	string	query	False	Filter by state
name	string	query	False	Filter by name
scope	string	query	False	Filter by scope
name_registration_type	string	query	False	Filter by name_registration_type

Name	Type	In	Required	Description
time_left	integer	query	False	Filter by time_left
suffix	string	query	False	Filter by suffix
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
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	The default is true for GET calls. When set to false, only the number of records is returned. • Default value: 1
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
num_records	integer	Number of Records.
records	array[netbios]	

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	error	

Example error


```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```


Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

Name	Type	Description
next	href	
self	href	

_links

Name	Type	Description
self	href	

node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

svm

Name	Type	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

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.

Name	Type	Description
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: • p - Point to Point • h - Hybrid • m - Mixed • b - Broadcast
name	string	Specifies the NetBIOS name.
name_registration_type	string	Specifies the name registration type.
node	node	
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.
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	svm	
time_left	integer	Specifies the registration time left with WINS, in minutes.

Name	Type	Description
wins_servers	array[server]	List of WINS

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

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