



## **View NetBIOS information**

### **ONTAP 9.12.1 REST API reference**

NetApp  
April 02, 2024

# Table of Contents

- View NetBIOS information ..... 1
- Protocols CIFS netbios endpoint overview ..... 1
- Retrieve NetBIOS information ..... 4

# 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=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": "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	<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": {
    },
    "mode": "p",
    "name": "CLUSTER_1",
    "name_registration_type": "registered",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "state": "must_register",
    "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": "active"
    }
  }
}
```

## 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	

svm

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

## 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.