

Nagios XI - SNMPv2 Service generates Cannot find module errors

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Problem Description

When starting or restarting the `snmpd` service you see output that looks like the following:

```
Starting snmpd: add_mibdir: strings scanned in from /usr/share/snmp/mibs/.index are too large. count = 49
Cannot find module (SNMPv2-TC): At line 8 in /usr/share/snmp/mibs/HOST-RESOURCES-MIB.txt
Cannot find module (IF-MIB): At line 12 in /usr/share/snmp/mibs/HOST-RESOURCES-MIB.txt
Did not find 'DisplayString' in module #-1 (/usr/share/snmp/mibs/HOST-RESOURCES-MIB.txt)
.....
Removed excessive lines from output as they are all similar
.....
Cannot find module (SNMPv2-TM): At line 0 in (none)
Cannot find module (SNMPv2-TC): At line 25 in /usr/share/snmp/mibs/NET-SNMP-VACM-MIB.txt
Did not find 'RowStatus' in module #-1 (/usr/share/snmp/mibs/NET-SNMP-VACM-MIB.txt)
Did not find 'StorageType' in module #-1 (/usr/share/snmp/mibs/NET-SNMP-VACM-MIB.txt)
[ OK ]
```

The errors generated above do not clearly identify the cause of the issue.

Explanation

This problem occurs when a MIB file contains spaces in the filename. The MIB files are located in the `/usr/share/snmp/mibs/` folder.

This was identified as an issue and resolved in Nagios XI 5.4.0. As of version 5.4.0, when you upload MIBs via the Manage MIBs page the filename will have any spaces replaced with an underscore.

Resolutions

There are different ways to resolve this issue.

Delete MIB and re-upload

- Navigate to **Admin > System Extensions > Manage MIBs**
- Find the MIB with the space in the filename and click the X button to delete it
- Use the **Browse** and **Upload MIB** button to re-upload the file
 - If you are using Nagios XI 5.4.0 and later, any spaces in the filename are replaced with an underscore
 - If you are using Nagios XI before 5.4.0 you will need to make sure the filename does not have any spaces before uploading it

Rename MIB File

Establish a terminal session to your Nagios XI server.

Rename the offending file and restart* the `snmpd` service, for example:

```
cd /usr/share/snmp/mibs
mv 'NAGIOS NOTIFY MIB TEST.txt' 'NAGIOS-NOTIFY-MIB-TEST.txt'
service snmpd restart
```

After the service has restated there should be no errors generated. If the same error appears then you will need to rename all files that have a space in the filename.

* The command for restarting the `snmpd` service will differ depending on your operating system:

RHEL 7+ | CentOS 7+ | Oracle Linux 7+ | Debian | Ubuntu 16/18/20

```
systemctl restart snmpd.service
```

Final Thoughts

For any support related questions please visit the [Nagios Support Forums](#) at:

<http://support.nagios.com/forum/>

Posted by: **tlea** - Sun, Apr 9, 2017 at 11:33 PM. This article has been viewed 3195 times.

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