

pfSense - Bug #10471

Host Resources module is mandatory for PF SNMP module

04/17/2020 10:24 AM - Viktor Gurov

Status:	Closed	Start date:	04/17/2020
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	SNMP	Estimated time:	0.00 hour
Target version:	2.5.0	Affected Architecture:	
Affected Version:			

Description

If you select *PF* module without *Host Resources* module on the Services / SNMP page bsnmp doesn't return PF BEGEMOT-PF-MIB:

```
# snmpwalk -v2c -c public 127.0.0.1 | grep pf
SNMPv2-MIB::sysDescr.0 = STRING: pfSense pfSense.test.int 2.5.0-DEVELOPMENT pfSense FreeBSD 12.0-R
RELEASE-p10 amd64
SNMPv2-MIB::sysName.0 = STRING: pfSense.test.int
IF-MIB::ifDescr.5 = STRING: pflog0
IF-MIB::ifDescr.6 = STRING: pfsync0
IF-MIB::ifName.5 = STRING: pflog0
IF-MIB::ifName.6 = STRING: pfsync0
```

You also need to select the *Host Resources* module to get it:

```
# snmpwalk -v2c -c public 127.0.0.1 | grep pf
SNMPv2-MIB::sysDescr.0 = STRING: pfSense pfSense.test.int 2.5.0-DEVELOPMENT pfSense FreeBSD 12.0-R
RELEASE-p10 amd64
SNMPv2-MIB::sysName.0 = STRING: pfSense.test.int
IF-MIB::ifDescr.11 = STRING: pflog0
IF-MIB::ifDescr.12 = STRING: pfsync0
HOST-RESOURCES-MIB::hrStorageDescr.263 = STRING: UMA: pf mtags
HOST-RESOURCES-MIB::hrStorageDescr.264 = STRING: UMA: pf states
HOST-RESOURCES-MIB::hrStorageDescr.265 = STRING: UMA: pf state keys
HOST-RESOURCES-MIB::hrStorageDescr.266 = STRING: UMA: pf source nodes
HOST-RESOURCES-MIB::hrStorageDescr.267 = STRING: UMA: pf table entries
HOST-RESOURCES-MIB::hrStorageDescr.268 = STRING: UMA: pf table counters
HOST-RESOURCES-MIB::hrStorageDescr.269 = STRING: UMA: pf frags
HOST-RESOURCES-MIB::hrStorageDescr.270 = STRING: UMA: pf frag entries
HOST-RESOURCES-MIB::hrStorageDescr.271 = STRING: UMA: pf state scrubs
HOST-RESOURCES-MIB::hrStorageDescr.377 = STRING: MALLOC: pfs_nodes
HOST-RESOURCES-MIB::hrStorageDescr.378 = STRING: MALLOC: pfs_vncache
HOST-RESOURCES-MIB::hrStorageDescr.383 = STRING: MALLOC: tmpfs mount
HOST-RESOURCES-MIB::hrStorageDescr.384 = STRING: MALLOC: tmpfs name
HOST-RESOURCES-MIB::hrStorageDescr.557 = STRING: MALLOC: netgraph_bpf
HOST-RESOURCES-MIB::hrStorageDescr.607 = STRING: MALLOC: tcpfunc
HOST-RESOURCES-MIB::hrStorageDescr.627 = STRING: MALLOC: pfsync
HOST-RESOURCES-MIB::hrStorageDescr.628 = STRING: MALLOC: pf_temp
HOST-RESOURCES-MIB::hrStorageDescr.629 = STRING: MALLOC: pf_hash
HOST-RESOURCES-MIB::hrStorageDescr.630 = STRING: MALLOC: pf_ifnet
HOST-RESOURCES-MIB::hrStorageDescr.631 = STRING: MALLOC: pf_tag
HOST-RESOURCES-MIB::hrStorageDescr.632 = STRING: MALLOC: pf_altq
HOST-RESOURCES-MIB::hrStorageDescr.633 = STRING: MALLOC: pf_rule
HOST-RESOURCES-MIB::hrStorageDescr.634 = STRING: MALLOC: pf_osfp
HOST-RESOURCES-MIB::hrStorageDescr.635 = STRING: MALLOC: pf_table
```

```
HOST-RESOURCES-MIB::hrSWRunName.8 = STRING: "pf purge"
HOST-RESOURCES-MIB::hrSWRunParameters.1392 = STRING: "-q -f /etc/pfSense-devd.conf"
HOST-RESOURCES-MIB::hrSWRunParameters.18753 = STRING: "/usr/local/libexec/sshg-fw-pf"
HOST-RESOURCES-MIB::hrSWRunParameters.35352 = STRING: "pf"
HOST-RESOURCES-MIB::hrSWRunParameters.66140 = STRING: "-i pflog0 -p /var/run/filterlog.pid"
HOST-RESOURCES-MIB::hrSWInstalledName.1 = STRING: "FreeBSD: FreeBSD 12.0-RELEASE-p10 ce9563d5729 (R
ELENG_2_5) pfSens"
IF-MIB::ifName.11 = STRING: pflog0
IF-MIB::ifName.12 = STRING: pfsync0
```

from <https://forum.netgate.com/topic/152640/snmp-pf-object-missing-bsnmpd>

History

#1 - 04/17/2020 10:42 AM - Viktor Gurov

Fix:

<https://github.com/pfsense/pfsense/pull/4282>

#2 - 04/17/2020 02:48 PM - Jim Pingle

- Status changed from New to Pull Request Review

- Target version set to 2.5.0

#3 - 04/17/2020 02:49 PM - Manuel Piovano

i have done some research and i found this <http://www.circitor.fr/Mibs/Html/B/BEGEMOT-PF-MIB.php#begemotPf>

i have discovered that pf data is indeed present, the Host Resources module only add hrStorageDescr but there is actually no data all the pf data are indeed available with

```
snmpwalk -v2c -c public 127.0.0.1 1.3.6.1.4.1.12325.1.200
```

this lead to

```
SNMPv2-SMI::enterprises.12325.1.200
```

therefore maybe this patch is not needed

more research done, i found this under the slide of jim that, sadly, i didn't noticed before

https://www.netgate.com/assets/downloads/hangouts/201803_-_pfSense_Hangout_-_mib-example.txt

if we use snmpget/walk/table we need the -M flag else we can't use the correct name

```
snmpget -M +/usr/share/snmp/mibs/ -v2c -c public 127.0.0.1 BEGEMOT-PF-MIB::pfStatusRunning.0
```

```
[2.5.0-DEVELOPMENT][root@pfSense.kiokoman.home]/root: snmpget -M +/usr/share/snmp/mibs/ -v2c -c snmp-pfsense
127.0.0.1 BEGEMOT-PF-MIB::pfStatusRunning.0
BEGEMOT-PF-MIB::pfStatusRunning.0 = INTEGER: true(1)
```

#4 - 04/18/2020 12:14 AM - Viktor Gurov

- Status changed from Pull Request Review to Closed