

Enabling snmp on FreeBSD

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1 Introduction

1.1 Goals

- Enable snmp on FreeBSD systems (bsnmpd)

1.2 Notes

- Commands preceded with “\$” imply that you should execute the command as a general user - not as root.
- Commands preceded with “#” imply that you should be working as root.
- Commands with more specific command lines (e.g. “rtrX>” or “mysql>”) imply that you are executing commands on remote equipment, or within another program.

2 Configuring and starting bsnmpd

Log in to your FreeBSD auth1 DNS server: this is the machine `auth1.grpX.dns.nsrc.org`

2.1 Edit (as root) the file `/etc/snmpd.conf`

```
$ sudo ee /etc/snmpd.conf
```

Find the following lines in the file:

```
location := "Room 200"
contact := "sysmeister@example.com"
```

```
read := "public"
```

```
write := "geheim"
trap := "mytrap"
```

... and change them to this:

```
location := "NSRC Workshop"
contact := "me@example.com"
```

```
read := "NetManage"
```

```
# write := "geheim"
trap := "NetManage"
```

Save the file and exit the editor.

2.2 Enable `bsnmpd` in `/etc/rc.conf`

```
$ sudo ee /etc/rc.conf
```

Add this at the end of the file:

```
bsnmpd_enable="YES"
```

Save the file and exit the editor.

2.3 Start `snmpd`

```
$ sudo service bsnmpd start
```

5. Test from your virtual pc (pcX.ws.nsrc.org) that you can access the FreeBSD SNMP agent:

```
$ snmpstatus -v 2c -c NetManage auth1.grpX.dns.nsrc.org
```

Now, you can add your FreeBSD DNS server to your list of monitored devices in Cacti, and in Observium (if you have already installed it).