Adding DNS hosts to SmokePing

Contents

1 Introduction

1.1 Goals

- Install and learn to use the SNMP commands
- Explore and identify standard vs enterprise parts of the MIB tree
- Install vendor specific MIBs and use those with the SNMP commands

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 Configuration

2.1 Create a DNS probe

Edit the file `/etc/smokeping/config.d/Probes`

Add the following lines:

```
+ DNS
binary = /usr/bin/dig
lookup = noc.dns.nsrc.org
pings = 5
step = 180
```

2.2 Create Targets to monitor

Edit the file `/etc/smokeping/config.d/Targets`

At the end of the file, add a new DNS section, and the DNS hosts you set up earlier this week. Replace `X` with the number of your DNS group.

```
+ Services
menu = Service latency
title = Service latency

++ DNS
probe = DNS
menu = DNS latency

+++ auth1-grpX
title = auth1.grpX.dns.nsrc.org
host = auth1.grpX.dns.nsrc.org

+++ resolv-grpX
title = resolv.grpX.dns.nsrc.org
host = resolv.grpX.dns.nsrc.org

# If you have auth2, enable it as well, otherwise, skip this
#
# +++ resolv-grpX
# title = resolv.grpX.dns.nsrc.org
# host = resolv.grpX.dns.nsrc.org
```

Save the file and exit.

2.3 Restart SmokePing

```
$ sudo service smokeping restart
```

Now, navigate to the SmokePing web interface, and within 10 minutes, you should be seeing the graph for DNS latency begin to appear.