

Smokeping



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What's is Smokeping

- **Smokeping:** A latency measurement and packet loss tool. Uses RRDtool to maintain it's data store. No remote daemons or services required:

"SmokePing is a deluxe latency measurement tool. It can measure, store and display latency, latency distribution and packet loss. SmokePing uses RRDtool to maintain a longterm data-store and to draw pretty graphs, giving up to the minute information on the state of each network connection."



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Installation

Installing smokeping:

- Installation varies between flavors of Linux and UNIX.
- It's pretty easy to to install it under FreeBSD.
- You can do *massive* configuration of each. We'll do some to get you started!

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Smokeping: Some Details

- **Basic install is extremely easy:**

```
# cd /usr/ports/net-mgmt/smokeping  
# make all install clean
```

- **Basic config file**

(`/usr/local/etc/smokeping/config`) is **simple, but you can get very complex very quickly:**

http://oss.oetiker.ch/smokeping/doc/smokeping_examples.en.html

and, other configuration options:

http://oss.oetiker.ch/smokeping/doc/smokeping_config.en.html

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Smokeping: The Install

```
# cd /usr/ports/net-mgmt/smokeping  
# make all install clean  
# cd /usr/local/etc/smokeping  
# mv config config.orig  
Then we will grab a copy of our local smokeping config  
file, install this and go over it.  
# cp /home/inst/config /usr/local/etc/smokeping/
```

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Smokeping: The Install

Edit `/etc/rc.conf` to enable startup of smokeping by making the following entries:

```
smokeping_enable="YES"  
smokeping_flags=""  
smokeping_pidfile="/usr/local/var/smokeping/smokeping.pid"  
smokeping_logfile="/var/log/smokeping.log"  
smokeping_user="smokeping"  
smokeping_group="smokeping"
```

CHEAT:

```
# cat /home/inst/sp-rc.conf.txt >> /etc/rc.conf
```

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Smokeping: The Install

Edit the apache config file with the following entries

```
ScriptAlias
/smokeping.cgi/usr/local/smokeping/htdocs/smokeping.cgi
Alias /smokeimg/ /usr/local/smokeping/htdocs/img/
<Directory "/usr/local/smokeping/htdocs">
  Options Indexes FollowSymLinks
  AllowOverride None
  Order allow,deny
  Allow from all
</Directory>
```

CHEAT:

```
# cat /home/inst/sp-apache-config.txt >>
/usr/local/etc/apache22/httpd.conf
```

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Smokeping: The Install

Once configured, start smokeping

```
# /usr/local/etc/rc.d/smokeping start
```

Restart apache

```
# /usr/local/etc/rc.d/apache22 restart
```

You can find your graphs and layout at:

<http://pcx.sse.ws.afnog.org/smokeping.cgi>

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There are several more examples here:

http://oss.oetiker.ch/smokeping/doc/smokeping_examples.en.html

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If there is time we will play with /etc/smokeping/config to customize as you want and, maybe, to use some of the example described in the file linked above.

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