SmokePing installation worksheet
AfNOG 2011 sse

Install SmokePing from ports:

```
cd /usr/ports/net-mgmt/smokeping
```

```
make
```

add curl probes

hit ok

SmokePing will download (slowly) and build (quickly) since it's perl

```
make install
```

will install and will also pull in cgi-speedy

The installation provides additional information about what is required for installation, we will use this information along with knowledge of our local situation to proceed with installation.

```
SmokePing has now been installed in /usr/local/smokeping/.

NOTE: A set of sample configuration files have been installed:

/usr/local/etc/smokeping/config
/usr/local/etc/smokeping/smokemail
/usr/local/etc/smokeping/basepage.html
/usr/local/etc/smokeping/tmail

You *MUST* edit these to suit your requirements. Please read the
manpages 'smokeping_install' and 'smokeping_config' for further
details on installation and configuration.

If you are upgrading from a previous version of Smokeping, the
manpage 'smokeping_upgrade' may be of help.

Once configured, you can start SmokePing by adding:

smokeping_enable="YES"

to /etc/rc.conf, and then running, as root:

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

To enable Apache web access, add something like the following to
your /usr/local/etc/apache/httpd.conf:
```

```
DocumentRoot /usr/local/smokeping/htdocs
ScriptAlias /smokeping.cgi
/usr/local/smokeping/htdocs/smokeping.cgi
ScriptAlias /tr.cgi /usr/local/smokeping/htdocs/tr.cgi

Enjoy!
```

Our Next step is create the insertion point where the application becomes available to our webserver.

```
cd /usr/local/www/apache22/data/
ln -s /usr/local/smokeping/htdocs/ smokeping
```

Then we need to adjust the configuration to suit our local evironment and disable the example probes

```
cd /usr/local/etc/smokeping
```

use an editor to change the config file.

change:

```
owner    = Peter Random
contact  = some@address.nowhere
mailhost = my.mail.host
```

as appropriate.

Set

```
sendmail = /usr/lib/sendmail
```

to

```
sendmail = /usr/sbin/sendmail
```

Change alerts to something appropriate

```
to = alertee@address.somewhere
from = smokealert@company.xy
```

Around line 111, comment out the example slaves

```
#*** Slaves ***
#secrets=/home/oetiker/checkouts/smokeping/trunk/software/etc/sm
okeping_secrets.dist
#+boomer
#display_name=boomer
#color=0000ff

#+slave2
```

```
#display_name=another
#color=00ff00
```

Comment out the two example hosts starting at line 133

```
#++ James
#
#menu = James
#title =James
#alerts = someloss
#slaves = boomer slave2
#host = james.address
#
#++ MultiHost
#
#menu = Multihost
#title = James and James as seen from Boomer
#host = /Test/James /Test/James~boomer
```

create a new probe:

```
++ myserver
menu = myserver
title = myserver
alerts = someloss
host = 196.200.219.xx
```

where xx is myservers ip address

save the file.

We need to enabled the smokeping daemon and start it.

Edit the rc.conf

```
vi /etc/rc.conf
```

append:

```
smokeping_enable="YES"
```

then start the application

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

We should now be able to connect to our webserver at:

http://hostname/smokeping/smokeping.cgi

where hostname is our servers hostname and see our smokeping with our first probe in it... The probes run every 5 minutes by default.

Lets add an http probe that uses curl

edit

```
/usr/local/etc/smokeping/config
```

again

In the probes section add a new probe:

```
+ Curl
# probe-specific variables
binary = /usr/local/bin/curl
step = 60
```

In the targets section add a new target

```
++ myserver-http
menu = myserver-http
alerts = someloss
probe =     Curl
host = 196.200.219.xxx
urlformat = http://%host%/
```

save the file

reload the smokeping daemon

visit the smokeping webpage to see the results of the new probe.