

Installing SmokePing as a Slave

- * Prerequisites: Fully functional SmokePing installation to act as the Master
- * References: http://oss.oetiker.ch/smokeping/doc/smokeping_master_slave.en.html

Instructions tested on Ubuntu 8.10 Server ONLY

Run all commands as root (\$ sudo bash, then run all commands)

1) SLAVE Setup Instructions

Setup Smokeping

```
# apt-get install smokeping
```

- No configuration files are necessary for slave installations
- Technically, you don't need SpeedyCGI for slave installations, but you'll get everything with the Ubuntu package
- If you want to run SmokePing as a master or stand-alone installation, you will have all the files you need

Create a file containing a password to be used as a shared secret

```
# pico /etc/smokeping/slave_secret
```

- Enter a strong password on the first line of the new file, then save the file
- Note, /etc/smokeping/slave_secret will contain one word, the password, and nothing else

Set appropriate permissions on this file

```
# chmod 600 /etc/smokeping/slave_secret
# chown smokeping:root /etc/smokeping/slave_secret
```

Create the cache directory and set appropriate permissions

```
# mkdir /var/smokeping
# chown smokeping:root /var/smokeping
```

Modify the init.d Daemon script so /etc/init.d/smokeping start | stop | restart works

```
# pico /etc/init.d/smokeping
```

Change "MODE=master" to "MODE=slave"
Change DAEMON_ARGS="" to "DAEMON_ARGS="--master-url=http://<master_IP>/<path to smokeping.cgi> --cache-dir=/var/smokeping/ --shared-secret=/etc/smokeping/slave-secret"

Restart SmokePing

```
# /etc/init.d/smokeping restart
```

2) MASTER Setup Instructions

Create a file containing the password to be used as a shared secret

```
# pico /etc/smokeping/master_secrets
```

- Enter the hostname (hostname only, not fully qualified domain name) followed by a colon, followed by the password on one line

The password should match what you created on your slave SmokePing installation in /etc/smokeping/slave_secret

The hostname is the name of the host running the slave installation of SmokePing

If you have multiple slaves, put the hostname:password combinations on separate lines

Example: myhostname:mypassword

Set appropriate permissions on this file

```
# chmod 640 /etc/smokeping/master_secrets
```

```
# chown www-data:root /etc/smokeping/master_secrets
```

Modify the SmokePing Slaves configuration file

```
# pico /etc/smokeping/config.d/Slaves
```

- This file should be as follows, but replace 'myhostname' with the hostname of your slave SmokePing installation

The display_name can be whatever you wish but should be descriptive of where the slave is located

If you have multiple slaves, put in additional +myhostname, display_name, and color lines

```
-----
```

```
*** Slaves ***
```

```
#
```

```
## make sure this is not world-readable!
```

```
secrets=/etc/smokeping/masters-secrets
```

```
+myhostname
```

```
display_name=myhostname
```

```
color=0000ff
```

```
-----
```

Modify the SmokePing Targets configuration file

```
# pico /etc/smokeping/config.d/Targets
```

- Add the following line under the *** Targets *** title, replacing myhostname with the name of your slave SmokePing installation

If you have multiple slaves, put them all on one line separate by spaces

```
-----
```

```
slaves = myhostname
```

```
-----
```

Restart SmokePing

```
# /etc/init.d/smokeping stop
```

```
# /etc/init.d/smokeping start
```