

## Installing SmokePing as a Slave

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- \* Prerequisites: Fully functional SmokePing installation to act as the Master
  - \* References: [http://oss.oetiker.ch/smokeping/doc/smokeping\\_master\\_slave.en.html](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 Smokeying

```
# 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
- If you want to run SmokePing as a master or stand-alone installation, you will have all the fi

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>"

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, follo
- The password should match what you created on your slave SmokePing installation in /etc/smokep
- 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 Smoke  
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  
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
```