



```
##### /usr/share/doc/packages/snort/schemas
create_mysql
```

```
##### DB snort (##### command##### phpMyAdmin #####)
##### import##### create_mysql##### DB snort#####
# mysql -u root -p
(root password)
mysql> create database snort;
mysql> exit
# mysql -D snort -u root -p </usr/share/doc/packages/snort/schemas/create_mysql
(root password)
```

```
# vi /etc/snort/snort.conf
output database: log, mysql, user=root password=password dbname=snort host=localhost
```

```
##### snort##### error#####
# snort -c /etc/snort/snort.conf
##### (##### error##### ok)
```

```
Rule application order: ->activation->dynamic->drop->alert->pass->log
Log directory = /var/log/snort
```

```
--== Initialization Complete ==--
```

```
„_  -*> Snort! <*-
o" )~ Version 2.4.4 (Build 28) x86_64
"" By Martin Roesch & The Snort Team: http://www.snort.org/team.html
(C) Copyright 1998-2005 Sourcefire Inc., et al.
NOTE: Snort's default output has changed in version 2.4.1!
The default logging mode is now PCAP, use "-K ascii" to activate
the old default logging mode.
```

```
## Ctrl+C #####
```

### BASE web page setup

```
#### web browser (firefox) http://yoursite.com/base/
```

#### Step 1

```
#### Continue
```

#### **Step 2**

```
Language : english
```

```
Path to ADODB : /srv/www/htdocs/adodb
```

```
#### Submit Query
```

### Step 3

```
Database type : MySQL
Database Name : snort
Database Host : localhost
Database User Name : root
Database Password : *****
□□□□ Submit Query
```

### Step 4

```
Admin User Name: root
Password : *****
Full Name : SYSBASD
```

### Step 5

```
□□□□□□□□ Create BASE AG
□□□□□□□□ Now continue to stop5...
```

### Install Image\_Color, Image\_Canvas and Image\_Graph

```
□□□□□□□□ php5-gd □□□ YaST
```

```
# pear5 channel-update "pear.php.net"
# pear5 install Image_Color
# pear5 install Image_Canvas-alpha
# pear5 install Image_Graph-alpha
```

```
□□□□
```

```
# cd /srv/www/htdocs/base
# wget http://pear.php.net/get/Image_Color-1.0.2.tgz
# tar zxvf Image_Color-1.0.2.tgz
# rm Image_Color-1.0.2.tgz
# pear5 install Image_Color-1.0.2.tgz
```

```
# wget http://pear.php.net/get/Image_Canvas-0.3.1.tgz
# tar zxvf Image_Canvas-0.3.1.tgz
# rm Image_Canvas-0.3.1.tgz
# pear5 install Image_Canvas-0.3.1.tgz
```

```
# wget http://pear.php.net/get/Image_Graph-0.7.tgz
# tar zxvf Image_Graph-0.7.2.tgz
# rm Image_Graph-0.7.2.tgz
# pear5 install Image_Graph-0.7.2.tgz
```

### Starting Snort

```
# chmod 775 /srv/www/htdocs/base/
# snort -c /etc/snort/snort.conf -i eth0 -g root -D
```

## Web base runing

http://www.yoursite.com/base/

# Basic Analysis and Security Engine (BASE)

|                                    |              |             |           |                |
|------------------------------------|--------------|-------------|-----------|----------------|
| - Today's alerts:                  | unique       | listing     | Source IP | Destination IP |
| - Last 24 Hours alerts:            | unique       | listing     | Source IP | Destination IP |
| - Last 72 Hours alerts:            | unique       | listing     | Source IP | Destination IP |
| - Most recent 15 Alerts:           | any protocol | TCP         | UDP       | ICMP           |
| - Last Source Ports:               | any protocol | TCP         | UDP       |                |
| - Last Destination Ports:          | any protocol | TCP         | UDP       |                |
| - Most Frequent Source Ports:      | any protocol | TCP         | UDP       |                |
| - Most Frequent Destination Ports: | any protocol | TCP         | UDP       |                |
| - Most frequent 15 Addresses:      | Source       | Destination |           |                |
| - Most recent 15 Unique Alerts     |              |             |           |                |
| - Most frequent 5 Unique Alerts    |              |             |           |                |

Queried on : Sun April 20, 2008 06:51:05  
Database: snort@localhost (Schema Version: 106)  
Time Window: [2008-03-27 17:55:05] - [2008-03-27 18:14:32]

[Search](#)  
[Graph Alert Data](#)  
[Graph Alert Detection Time](#)

Sensors/Total: 1 / 1  
Unique Alerts: 1  
Categories: 1  
Total Number of Alerts: 3

- Src IP addrs: 1
- Dest. IP addrs: 1
- Unique IP links 1
  
- Source Ports: 1
  
- ◦ TCP (1) UDP (0)
- Dest Ports: 2
  
- ◦ TCP (2) UDP (0)

### Traffic Profile by Protocol

