

# Observium

## Installation

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## 1 Introduction

### 1.1 Goals

- Learn how to install observium

### 1.2 Notes

- Commands preceded with “\$” imply that you should execute the command as a general user - not as root.
- Commands preceded with “#” imply that you should be working as root.

- Commands with more specific command lines (e.g. “rtrX>” or “mysql>”) imply that you are executing commands on remote equipment, or within another program.

## 2 Observium installation

First you start by following the instructions here:

[http://www.observium.org/wiki/Ubuntu\\_SVN\\_Installation](http://www.observium.org/wiki/Ubuntu_SVN_Installation)

There are currently (as of 12 June 2013) two errors on the above page, and one specific step you should take:

### 2.1 1. Instead of doing:

```
# svn co http://www.observium.org/svn/observer/trunk observium
```

you need to go to:

[http://www.observium.org/wiki/Main\\_Page](http://www.observium.org/wiki/Main_Page)

and look down the page for the “Current stable revision :” text. The number of the current revision will be listed. As of 12 June 2013 this was 3763. Replace the initial command listed above with (as root):

```
# svn co -r 3763 http://www.observium.org/svn/observer/trunk observium
```

### 2.2 2. Install PEAR Net\_IPv4 and Net\_IPv6 packages:

Once you have run the “svn co” command (subversion checkout) you need to manually add the PHP Extension and Application Repository (PEAR) Net\_IPv4 and Net\_IPv6 packages. To do, as root,

```
# pear install Net_IPv4
# pear install Net_IPv6
```

### 2.3 3. Updating schema

Where it says

```
php includes/update/update.php
```

you should run (for r3763 anyway):

```
php includes/sql-schema/update.php
```

## 2.4 4. Create an admin user with class password

In the step where you are asked to do:

```
# cd /opt/observium
# ./adduser.php <username> <password> <level>
```

Do this:

```
# cd /opt/observium
# ./adduser.php admin <CLASS_PASSWORD> 10
```

## 2.5 At this point the following is installed:

- the software dependencies described in the above URL have been installed
- a sample vhost definition has been placed in `/etc/apache2/sites-enabled/observium`
- a database has been created and populated with the Observium schema
- directories have been created for the RRDs and the logs, and have the correct permissions
- a sample `config.php` is in place
- a sample user (admin + class password) has been created

## 2.6 What remains to be done:

- update the preinstalled vhost definition (change `observiumX`)
- modify the `config.php` and update the SNMP community and subnets
- enable cron jobs
- add at least 1 host

These last steps are part of the `observium-lab1.txt`