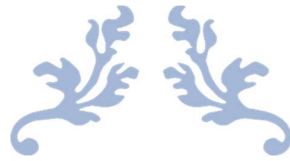


Tuto Perso  
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# TUTORIEL INSTALLATION OBSERVIMUM

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# 1. How to install Observium on Ubuntu

I will give an example of installing the Observium monitoring system in Ubuntu Server 20.04.

## 1.1 Automated Install

Observium has an automated install script for use on Ubuntu and Debian systems.

Using the automated installation script is as easy as downloading it, running it and answering a few simple questions, start with:

```
wget http://www.observium.org/observium_installscrip.sh
chmod +x observium_installscrip.sh
./observium_installscrip.sh
```

**You may need to install wget on bare installations**

```
apt install wget
```

## 1.1 Manual Install

**Immediately switch to the root user :**

```
sudo -i
```

**Install the necessary components for Observium to work :**

```
apt-get update
```

```
apt-get install libapache2-mod-php php-cli php-mysql php-mysqli php-gd php-
json php-pear snmp fping mysql-server mysql-client python3-mysqldb rrdtool
subversion whois mtr-tiny ipmitool graphviz imagemagick apache2 python3-
pymysql python-is-python3
```

**Create a directory and download Observium :**

```
mkdir -p /opt/observium && cd /opt
```

```
wget http://www.observium.org/observium-community-latest.tar.gz
```

```
tar zxvf observium-community-latest.tar.gz
```



## 1.2 [Suite Installation manuel](#)

Connect to MySQL, create the database and user :

```
mysql -u root -p

CREATE DATABASE observium DEFAULT CHARACTER SET utf8 COLLATE
utf8_general_ci;

CREATE USER 'observium'@'localhost' IDENTIFIED BY 'password';

GRANT ALL PRIVILEGES ON observium.* TO 'observium'@'localhost';

FLUSH PRIVILEGES;

exit
```

Create the configuration file from the example and specify the name of the user created by MySQL and the password in it :

```
cd /opt/observium
cp config.php.default config.php
nano /opt/observium/config.php
```

Import the data into the created database :

```
./discovery.php -u
```

Create the missing directories :

```
mkdir logs

mkdir rrd

chown www-data:www-data rrd
```

Create a configuration file for apache2 :

```
nano /etc/apache2/sites-available/observium.conf
```



### Add to it :

```
<VirtualHost *:80>

    ServerAdmin webmaster@localhost
    DocumentRoot /opt/observium/html
    <FilesMatch \.php$>
        SetHandler application/x-httpd-php
    </FilesMatch>
    <Directory />
        Options FollowSymLinks
        AllowOverride None
    </Directory>
    <Directory /opt/observium/html/>
        DirectoryIndex index.php
        Options Indexes FollowSymLinks MultiViews
        AllowOverride All
        Require all granted
    </Directory>
    ErrorLog ${APACHE_LOG_DIR}/observium_error.log
    LogLevel warn
    CustomLog ${APACHE_LOG_DIR}/observium_access.log combined
    ServerSignature On

</VirtualHost>
```

**Turn off the standard apache2 configuration file and activate the new one, and also activate the necessary modules and restart apache2 to apply the changes :**

```
a2dissite 000-default
a2ensite observium
a2dismod mpm_event
a2enmod mpm_prefork
a2enmod rewrite

systemctl restart apache2
```

### Add an administrator with a maximum level of rights of 10 :

```
./adduser.php USERNAME PASSWORD 10
```

### You can add a device :

```
./add_device.php HOST COMMUNITY v2c
./discovery.php -h all
./poller.php -h all
```



### Create a file for periodic tasks :

```
nano /etc/cron.d/observium
```

### Add to it :

```
# Run a complete discovery of all devices once every 6 hours
```

```
33 */6 * * * root /opt/observium/discovery.php -h all >> /dev/null  
2>&1
```

```
# Run automated discovery of newly added devices every 5 minutes
```

```
*/5 * * * * root /opt/observium/discovery.php -h new >> /dev/null  
2>&1
```

```
# Run multithreaded poller wrapper every 5 minutes
```

```
*/5 * * * * root /opt/observium/poller-wrapper.py >> /dev/null 2>&1
```

```
# Run housekeeping script daily for syslog, eventlog and alert log
```

```
13 5 * * * root /opt/observium/housekeeping.php -ysel >> /dev/null 2>&1
```

```
# Run housekeeping script daily for rrd, ports, orphaned entries in the  
database and performance data
```

```
47 4 * * * root /opt/observium/housekeeping.php -yrptb >> /dev/null 2>&1
```