

GNU/Linux Administration - Support #627

Install Zoneminder on Arch

06/11/2015 04:43 PM - Daniel Curtis

Status:	Closed	Start date:	06/11/2015
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Camera Server	Estimated time:	6.00 hours
Target version:	Arch Linux	Spent time:	6.00 hours

Description

This is a guide for installing Zoneminder on Arch Linux.

Prepare the Environment

- Make sure the system is up to date:

```
pacman -Syu
```

Install yaourt

- Install [yaourt](#)

Install Zoneminder

- Install zoneminder from the AUR:

```
yaourt zoneminder
```

Configure Apache

- Edit the apache config:

```
nano /etc/httpd/conf/httpd.conf
```

- And add/modify the following to ensure PHP, prefork and cgi are enabled:

```
#LoadModule mpm_event_module modules/mod_mpm_event.so
LoadModule mpm_prefork_module modules/mod_mpm_prefork.so
LoadModule php5_module modules/libphp5.so
LoadModule cgi_module modules/mod_cgi.so
```

- Append the Zoneminder inclusion to the apache config:

```
echo 'Include conf/extra/php5_module.conf' >> /etc/httpd/conf/httpd.conf
echo 'Include /etc/httpd/conf/extra/httpd-zoneminder.conf' >> /etc/httpd/conf/httpd.conf
```

- **NOTE:** I needed to comment out the `php_admin_value` in `httpd-zoneminder.conf` file.

Configure PHP

- Edit the PHP configuration:

```
nano /etc/php/php.ini
```

- Ensure the following extensions are enabled:

```
extension=pdo_mysql.so
extension=gd.so
extension=gettext.so
extension=mcrypt.so
extension=sockets.so
extension=openssl.so
extension=ftp.so
```

- Ensure `open_basedir` has the following directories added/included:

```
open_basedir = /srv/http:/home:/tmp:/usr/share/pear:/usr/share/webapps:/dev:/etc:/sr
v/http/zoneminder:/srv/zoneminder:/var/cache/zoneminder/
```

- Set the local timezone:

```
date.timezone = America/Los_Angeles
```

Initialize MySQL

- Initialize the MySQL database:

```
cd /usr
mysql_install_db --user=mysql --ldata=/var/lib/mysql/
```

- Start and enable MySQL on boot:

```
systemctl enable mysqld
systemctl start mysqld
```

- Secure the installation:

```
mysql_secure_installation
```

- Import the zoneminder SQL data:

```
mysqladmin --defaults-file=/etc/mysql/my.cnf -p -f reload
cat /usr/share/zoneminder/db/zm_create.sql | mysql --defaults-file=/etc/mysql/my.cnf -p
```

- Set permissions on the zm database for the user `zmuser` with the password `zoneminder`

```
echo 'grant lock tables, alter,select,insert,update,delete on zm.* to 'zmuser'@localhost ident
ified by "zoneminder";' | mysql --defaults-file=/etc/mysql/my.cnf -p mysql
```

- Edit the zoneminder config

```
nano /etc/zm.conf
```

- And update the host, database, username, and/or password:

```
ZM_DB_HOST=localhost
ZM_DB_NAME=zm
ZM_DB_USER=zmuser
ZM_DB_PASS=zoneminder
```

Start Zoneminder

- Start and enable Apache on boot:

```
systemctl enable httpd
systemctl start httpd
```

- Start and enable zoneminder on boot:

```
systemctl enable zoneminder
systemctl start zoneminder
```

Resources

- <https://wiki.archlinux.org/index.php/ZoneMinder>
- <https://aur.archlinux.org/packages/zoneminder/>

History

#1 - 06/11/2015 05:33 PM - Daniel Curtis

- Description updated
- % Done changed from 0 to 20

#2 - 06/11/2015 05:37 PM - Daniel Curtis

- Description updated

#3 - 06/13/2015 11:17 AM - Daniel Curtis

- Description updated
- Status changed from New to In Progress
- % Done changed from 20 to 40

#4 - 06/13/2015 12:36 PM - Daniel Curtis

- Description updated
- Status changed from In Progress to Resolved
- % Done changed from 40 to 100

#5 - 06/13/2015 12:37 PM - Daniel Curtis

- Description updated

#6 - 07/13/2015 01:55 PM - Daniel Curtis

- Status changed from Resolved to Closed

#7 - 08/26/2015 03:22 PM - Daniel Curtis

- Description updated

#8 - 07/15/2016 07:41 PM - Daniel Curtis

- Description updated