

# Zoneminder

## Abills

:

```
add-apt-repository ppa:iconnor/zoneminder
add-apt-repository ppa:iconnor/zoneminder-1.32
add-apt-repository ppa:iconnor/zoneminder-master

apt-get update
```

1.33.1

**/etc/mysql/mysql.conf.d/mysqld.cnf** "[mysqld]"

```
sql_mode = NO_ENGINE_SUBSTITUTION
```

MySQL

```
rm /etc/mysql/my.cnf
cp /etc/mysql/mysql.conf.d/mysqld.cnf /etc/mysql/my.cnf
systemctl restart mysql
```

Zoneminder

```
apt-get install zoneminder
```

:

```
mysql -uroot -p < /usr/share/zoneminder/db/zm_create.sql
mysql -uroot -p -e "grant lock tables,alter,drop,select,insert,update,delete,create,index,alter routine,
create routine, trigger,execute on zm.* to 'zmuser'@localhost identified by 'zmpass';"

mysqladmin -uroot -p reload
```

Apache:

```
chmod 740 /etc/zm/zm.conf
chown root:www-data /etc/zm/zm.conf
chown -R www-data:www-data /usr/share/zoneminder/
chown -R www-data:www-data /var/cache/zoneminder/
```

```
adduser www-data video
```

```
a2enmod cgi
a2enmod rewrite
a2enconf zoneminder
```

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

### **/etc/php/7.0/apache2/php.ini**

```
[Date]
date.timezone = "Europe/Kiev"
```

### **Apache**

```
systemctl reload apache2
```

Cambozola c <http://www.andywilcock.com/code/cambozola/cambozola-latest.zip>

```
cp cambozola.jar /usr/share/zoneminder/www/
```

### **/usr/share/zoneminder/www/api/app/Controller/UsersController.php**

```
vim /usr/share/zoneminder/www/api/app/Controller/UsersController.php
```

### **beforeFilter()**

```
public function beforeFilter() {
    parent::beforeFilter();

    global $user;

    $scanView = (!$user) || ($user['Control'] != 'None');
    if ( !$scanView ) {
        throw new UnauthorizedException(__('Insufficient Privileges'));
        return;
    }
}
```

### **Zoneminder**

```
systemctl reload zoneminder
```

Zoneminder . <https://SERVER/zm>, SERVER URL web .

Options(Config) :

The screenshot shows the ZoneMinder configuration interface. The top navigation bar includes 'ZoneMinder', 'Console', 'Options', 'Log', 'Groups', 'Filters', 'Cycle', 'Montage', 'Montage Review', and 'Audit Events Report'. The status bar shows 'High' performance, 'Load: 0.58', 'DB: 9/2009', 'Storage: Default: 38% /dev/shm: 3%', and 'v1.32.3'. The left sidebar lists various configuration categories: Display, System (selected), Config, Servers, Storage, Web, Images, Logging, Network, Email, Upload, X10, High B/W, Medium B/W, Low B/W, and Users. The main content area displays the following options:

- SKIN\_DEFAULT**: classic (Default skin used by web interface (?))
- CSS\_DEFAULT**: base classic dark (Default set of css files used by web interface (?))
- BANDWIDTH\_DEFAULT**: High (Default setting for bandwidth profile used by web interface (?))
- LANG\_DEFAULT**: en\_gb (Default language used by web interface (?))
- OPT\_USE\_AUTH**:  (Authenticate user logins to ZoneMinder (?))
- AUTH\_TYPE**: builtin remote (What is used to authenticate ZoneMinder users (?))
- AUTH\_RELAY**: hashed plain none (Method used to relay authentication information (?))
- AUTH\_HASH\_SECRET**: ...Change me to something unique... (Secret for encoding hashed authentication information (?))
- AUTH\_HASH\_IPS**:  (Include IP addresses in the authentication hash (?))
- AUTH\_HASH\_TTL**: 2 (The number of hours that an authentication hash is valid for. (?))

OPT_USE_AUTH	<input type="checkbox"/>
AUTH_TYPE	builtin
AUTH_RELAY	hashed
AUTH_HASH_IPS	<input type="checkbox"/>

:

Login: admin

Password: admin

```
$conf{ZONEMINDER_ADMIN_LOGIN} = 'Your login';  
$conf{ZONEMINDER_ADMIN_PASSWORD} = 'Your password';
```

wi-fi Low B/W || Medium B/W || High B/W

ZoneMinder Console Options Log Groups Filters Cycle Montage Montage Review Audit Events Report RUNNING v1.32.1

High Load: 0.27 DB: 9/2000 Storage: Default: 38% /dev/shm: 3%

Display	<b>WEB_L_REFRESH_MAIN</b>	300	How often (in seconds) the main console window should refresh itself (?)
System	<b>WEB_L_REFRESH_NAVBAR</b>	35	How often (in seconds) the navigation header should refresh itself (?)
Config	<b>WEB_L_REFRESH_CYCLE</b>	30	How often (in seconds) the cycle watch window swaps to the next monitor (?)
Servers	<b>WEB_L_REFRESH_IMAGE</b>	15	How often (in seconds) the watched image is refreshed (if not streaming) (?)
Storage	<b>WEB_L_REFRESH_STATUS</b>	10	How often (in seconds) the status refreshes itself in the watch window (?)
Web	<b>WEB_L_REFRESH_EVENTS</b>	180	How often (in seconds) the event listing is refreshed in the watch window (?)
Images	<b>WEB_L_CAN_STREAM</b>	<input checked="" type="radio"/> auto <input type="radio"/> yes <input type="radio"/> no	Override the automatic detection of browser streaming capability (?)
Logging	<b>WEB_L_STREAM_METHOD</b>	<input type="radio"/> mpeg <input checked="" type="radio"/> jpeg	Which method should be used to send video streams to your browser. (?)
Network	<b>WEB_L_DEFAULT_SCALE</b>	100	What the default scaling factor applied to 'live' or 'event' views is (%) (?)
Email			
Upload			
X10			
High B/W			
Medium B/W			
<b>Low B/W</b>			
Users			

Network HTTP\_TIMEOUT 10000.

ZoneMinder Console Options Log Groups Filters Cycle Montage Montage Review Audit Events Report RUNNING v1.32.1

High Load: 0.51 DB: 9/2000 Storage: Default: 38% /dev/shm: 3%

Display	<b>HTTP_VERSION</b>	<input checked="" type="radio"/> 1.1 <input type="radio"/> 1.0	The version of HTTP that ZoneMinder will use to connect (?)
System	<b>HTTP_UA</b>	ZoneMinder	The user agent that ZoneMinder uses to identify itself (?)
Config	<b>HTTP_TIMEOUT</b>	2500	How long ZoneMinder waits before giving up on images (milliseconds) (?)
Servers	<b>MIN_STREAMING_PORT</b>		Alternate port range to contact for streaming video. (?)
Storage	<b>MIN_RTP_PORT</b>	40200	Minimum port that ZoneMinder will listen for RTP traffic on (?)
Web	<b>MAX_RTP_PORT</b>	40499	Maximum port that ZoneMinder will listen for RTP traffic on (?)
Images			
Logging			
<b>Network</b>			
Email			
Upload			
X10			
High B/W			
Medium B/W			
Low B/W			
Users			

Low B/W || Medium B/W || High B/W( WI-FI) WEB\_L AJAX\_TIMEOUT 10000.

- Email
- Upload
- X10
- High B/W
- Medium B/W
- Low B/W
- Users

	How often (in seconds) the status refreshes itself in the watch window (?)
<b>WEB_L_REFRESH_EVENTS</b>	<input style="width: 100%;" type="text" value="180"/> How often (in seconds) the event listing is refreshed in the watch window (?)
<b>WEB_L_CAN_STREAM</b>	<input checked="" type="radio"/> auto <input type="radio"/> yes <input type="radio"/> no Override the automatic detection of browser streaming capability (?)
<b>WEB_L_STREAM_METHOD</b>	<input type="radio"/> mpeg <input checked="" type="radio"/> jpeg Which method should be used to send video streams to your browser. (?)
<b>WEB_L_DEFAULT_SCALE</b>	<input style="width: 100%;" type="text" value="100"/> What the default scaling factor applied to 'live' or 'event' views is (%) (?)
<b>WEB_L_DEFAULT_RATE</b>	<input style="width: 100%;" type="text" value="100"/> What the default replay rate factor applied to 'event' views is (%) (?)
<b>WEB_L_VIDEO_BITRATE</b>	<input style="width: 100%;" type="text" value="25000"/> What the bitrate of the video encoded stream should be set to (?)
<b>WEB_L_VIDEO_MAXFPS</b>	<input style="width: 100%;" type="text" value="5"/> What the maximum frame rate for streamed video should be (?)
<b>WEB_L_SCALE_THUMBS</b>	<input checked="" type="checkbox"/> Scale thumbnails in events, bandwidth versus cpu in rescaling (?)
<b>WEB_L_EVENTS_VIEW</b>	<input checked="" type="radio"/> events <input type="radio"/> timeline What the default view of multiple events should be. (?)
<b>WEB_L_SHOW_PROGRESS</b>	<input type="checkbox"/> Show the progress of replay in event view. (?)
<b>WEB_L AJAX_TIMEOUT</b>	<input style="width: 100%;" type="text" value="10000"/> How long to wait for Ajax request responses (ms) (?)