

Zoneminder

Настройка в Abills

Добавление нужных репозиториев с пакетами:

Добавление репозиториев

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

Протестировано на версии 1.33.1

В файле **/etc/mysql/mysql.conf.d/mysqld.cnf** добавить после строки "[mysqld]"

```
sql_mode = NO_ENGINE_SUBSTITUTION
```

Настраиваем Mysql

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

Установка Zoneminder

```
apt-get install zoneminder
```

Добавление базы данных:

```
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
```

Настройка 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
```

В файле **/etc/php/7.0/apache2/php.ini** редактируем временную зону на системную

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

В файле **/etc/apache2/conf-enabled/zoneminder.conf** вставляем в конце:

```
<Directory "/usr/share/zoneminder/www/api">
    RewriteEngine on
    RewriteRule ^$ app/webroot/ [L]
    RewriteRule (.*) app/webroot/$1 [L]
    RewriteBase /zm/api
</Directory>

<Directory "/usr/share/zoneminder/www/api/app">
    RewriteEngine on
    RewriteRule ^$ webroot/ [L]
    RewriteRule (.*) webroot/$1 [L]
    RewriteBase /zm/api
</Directory>

<Directory "/usr/share/zoneminder/www/api/app/webroot">
    RewriteEngine On
    RewriteCond %{REQUEST_FILENAME} !-d
    RewriteCond %{REQUEST_FILENAME} !-f
    RewriteRule ^ index.php [L]
    RewriteBase /zm/api
</Directory>
```

Перезагружаем Apache

```
systemctl reload apache2
```

Скачиваем последний архив Cambozola с <http://www.andywilcock.com/code/cambozola/cambozola-latest.zip>

Копируем файл из архива который скачали выше

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

Открываем файл /usr/share/zoneminder/www/api/app/Controller/UsersController.php

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

Заменяем функцию beforeFilter() на код ниже

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

    global $user;

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

Перезапускаем Zoneminder

```
systemctl reload zoneminder
```

Zoneminder настроен. Заходим на <https://SERVER/zm>, где SERVER это URL вашего web сервера.

Во вкладке Options(Config) редактируем следующие параметры и нажимаем сохранить:

The screenshot shows the ZoneMinder Options(Config) interface. The left sidebar is collapsed. The main area has a header with 'ZoneMinder' and 'Console' tabs, followed by 'Options' (which is highlighted), 'Log', 'Groups', 'Filters', 'Cycle', 'Montage', 'Montage Review', and 'Audit Events Report'. The status bar at the top right shows 'RUNNING' and 'v1.32.3'. Below the header, there's a performance monitor with 'Load: 0.58', 'DB: 9/2000', 'Storage: Default: 38%', and '/dev/shm: 3%'. The main content area is titled 'System' and contains the following settings:

- SKIN_DEFAULT:** classic (radio button selected). Description: Default skin used by web interface (?)
- CSS_DEFAULT:** base (radio button selected). Description: Default set of css files used by web interface (?)
- BANDWIDTH_DEFAULT:** High (dropdown menu). Description: Default setting for bandwidth profile used by web interface (?)
- LANG_DEFAULT:** en_gb (dropdown menu). Description: Default language used by web interface (?)
- OPT_USE_AUTH:** Authenticate user logins to ZoneMinder? (checkbox checked)
- AUTH_TYPE:** builtin (radio button selected). Description: What is used to authenticate ZoneMinder users (?)
- AUTH_RELAY:** hashed (radio button selected). Description: Method used to relay authentication information (?)
- AUTH_HASH_SECRET:** ...Change me to something unique... (text input field). Description: Secret for encoding hashed authentication information (?)
- AUTH_HASH_IPS:** (checkbox checked). Description: Include IP addresses in the authentication hash (?)
- AUTH_HASH_TTL:** 2 (dropdown menu). Description: The number of hours that an authentication hash is valid for. (?)

Параметр	Действие
OPT_USE_AUTH	Отмечаем галочкой
AUTH_TYPE	Отметить builtin
AUTH_RELAY	Отметить hashed

AUTH_HASH_IPS

Убираем галочку

Стандартные данные для входа:

Login: admin

Password: admin

Если вы меняете данные то измените конфиг

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

Нажать кнопку с иконкой wi-fi и изменить на Low B/W || Medium B/W || High B/W

The screenshot shows the ZoneMinder configuration interface. The top navigation bar includes 'ZoneMinder', 'Console', 'Options', 'Log' (highlighted in red), 'Groups', 'Filters', 'Cycle', 'Montage', 'Montage Review', 'Audit Events Report', and status indicators 'Load: 0.27', 'DB:9/2000', 'Storage: Default: 38% /dev/shm: 3%', and 'RUNNING v1.32.3'. On the left, a sidebar lists categories: Display, System, Config, Servers, Storage, Web, Images, Logging, Network, Email, Upload, X10, High B/W, Medium B/W, and Low B/W (highlighted in blue). The main content area shows configuration options under 'Low B/W':

- WEB_L_REFRESH_MAIN**: Value 300, description: How often (in seconds) the main console window should refresh itself (?)
- WEB_L_REFRESH_NAVBAR**: Value 35, description: How often (in seconds) the navigation header should refresh itself (?)
- WEB_L_REFRESH_CYCLE**: Value 30, description: How often (in seconds) the cycle watch window swaps to the next monitor (?)
- WEB_L_REFRESH_IMAGE**: Value 15, description: How often (in seconds) the watched image is refreshed (if not streaming) (?)
- WEB_L_REFRESH_STATUS**: Value 10, description: How often (in seconds) the status refreshes itself in the watch window (?)
- WEB_L_REFRESH_EVENTS**: Value 180, description: How often (in seconds) the event listing is refreshed in the watch window (?)
- WEB_L_CAN_STREAM**: Options: * auto, * yes, * no. Description: Override the automatic detection of browser streaming capability (?)
- WEB_L_STREAM_METHOD**: Options: * mpeg, * jpeg. Description: Which method should be used to send video streams to your browser. (?)
- WEB_L_DEFAULT_SCALE**: Value 100, description: What the default scaling factor applied to 'live' or 'event' views is (%) (?)

В левом подменю Network изменяем HTTP_TIMEOUT на 10000.

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

Load: 0.51 DB:9/2000 Storage: Default: 38% /dev/shm: 3% v1.32.3

High

Display
System
Config
Servers
Storage
Web
Images
Logging
Network
Email
Upload
X10
High B/W
Medium B/W
Low B/W
Users

HTTP_VERSION 1.1 1.0
The version of HTTP that ZoneMinder will use to connect (?)

HTTP_UA ZoneMinder
The user agent that ZoneMinder uses to identify itself (?)

HTTP_TIMEOUT 2500
How long ZoneMinder waits before giving up on images (milliseconds) (?)

MIN_STREAMING_PORT
Alternate port range to contact for streaming video. (?)

MIN_RTP_PORT 40200
Minimum port that ZoneMinder will listen for RTP traffic on (?)

MAX_RTP_PORT 40499
Maximum port that ZoneMinder will listen for RTP traffic on (?)

SAVE

В левом подменю Low B/W || Medium B/W || High B/W(зависит от выбора в кнопке с иконкой Wi-Fi) изменяем WEB_L_AJAX_TIMEOUT на 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 (?)

WEB_L_REFRESH_EVENTS 180
How often (in seconds) the event listing is refreshed in the watch window (?)

WEB_L_CAN_STREAM auto yes no
Override the automatic detection of browser streaming capability (?)

WEB_L_STREAM_METHOD mpeg jpeg
Which method should be used to send video streams to your browser. (?)

WEB_L_DEFAULT_SCALE 100
What the default scaling factor applied to 'live' or 'event' views is (%) (?)

WEB_L_DEFAULT_RATE 100
What the default replay rate factor applied to 'event' views is (%) (?)

WEB_L_VIDEO_BITRATE 25000
What the bitrate of the video encoded stream should be set to (?)

WEB_L_VIDEO_MAXFPS 5
What the maximum frame rate for streamed video should be (?)

WEB_L_SCALE_THUMBS
Scale thumbnails in events, bandwidth versus cpu in rescaling (?)

WEB_L_EVENTS_VIEW events timeline
What the default view of multiple events should be. (?)

WEB_L_SHOW_PROGRESS
Show the progress of replay in event view. (?)

WEB_L_AJAX_TIMEOUT 10000
How long to wait for Ajax request responses (ms) (?)