

# FreeBSD Administration - Support #957

## Install Matomo on FreeBSD 12

02/12/2021 05:14 PM - Daniel Curtis

<b>Status:</b>	Closed	<b>Start date:</b>	02/12/2021
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Daniel Curtis	<b>% Done:</b>	100%
<b>Category:</b>	Installation	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	FreeBSD 12	<b>Spent time:</b>	0.00 hour

### Description

This is a guide on setting up Matomo with nginx on FreeBSD 12.

## Prepare the Environment

- Before installation of the components, make sure everything is up to date using the following command:

```
pkg update && pkg upgrade
```

- Create the matomo user:

```
pw user add -n matomo -m -s /sbin/nologin -c "Matomo"
```

## Install MySQL Server

- Install mariadb105-server and mariadb105-client:

```
pkg install mariadb105-{server,client}
```

- Enable and start mariadb at boot:

```
sysrc mysql_enable=YES  
service mysql-server start
```

- Prepare the database for use by running the secure installation:

```
mysql_secure_installation
```

- **NOTE:** Choose a strong root password and answer yes to all questions.

## Create MySQL Databases and Users

- Login to MySQL and create appropriate databases and users.

```
mysql -u root -p
```

- and run the following SQL queries to create the **matomodb** database and **matomouser** user:

```
CREATE DATABASE matomodb;
```

```
CREATE USER 'matomouser'@'localhost' IDENTIFIED BY 'SuperSecretPassword';

GRANT GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, INDEX, DROP, ALTER, CREATE TEMPORARY T
ABLES, LOCK TABLES ON matomodb.* TO 'matomouser'@'localhost';

GRANT FILE ON *.* TO 'matomouser'@'localhost';

FLUSH PRIVILEGES;

quit
```

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## Install Nginx

- Install Nginx

```
pkg install nginx
```

- Start and enable nginx at boot:

```
sysrc nginx_enable=YES
service nginx start
```

- Create a configuration directory to make managing individual server blocks easier

```
mkdir /usr/local/etc/nginx/conf.d
```

- Edit the main nginx config file:

```
vi /usr/local/etc/nginx/nginx.conf
```

- And strip down the config file and add the include statement at the end to make it easier to handle various server blocks:

```
worker_processes 1;
error_log /var/log/nginx-error.log;

events {
    worker_connections 1024;
}

http {
    include mime.types;
    default_type application/octet-stream;
    sendfile on;
    keepalive_timeout 65;

    # Load config files from the /etc/nginx/conf.d directory
    include /usr/local/etc/nginx/conf.d/*.conf;
}
```

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## Install Matomo

- Install Matomo:

```
pkg install php74-matomo
```

- Create the matomo php-fpm pool config file:

```
vi /usr/local/etc/php-fpm.d/matomo.conf
```

- And add the following:

```
[matomo]
user = matomo
group = www
listen = /var/run/matomo.sock
listen.owner = matomo
listen.group = www
pm = dynamic
pm.max_children = 5
pm.start_servers = 2
pm.min_spare_servers = 1
pm.max_spare_servers = 3
php_admin_value[session.save_path] = "/usr/local/www/matomo/tmp"
php_admin_value[always_populate_raw_post_data] = "-1"
```

- Create a **matomo** server block:

```
vi /usr/local/etc/nginx/conf.d/matomo.conf
```

- Add the following:

```
upstream matomo-php-handler {
    server unix:/var/run/matomo.sock;
}

server {
    listen 80;
    server_name matomo.example.com;
    root /usr/local/www/matomo/;
    index index.php;

    location = /robots.txt {
        allow all;
        log_not_found off;
        access_log off;
    }

    location ~ ^/(?:CHANGELOG\.md|config|README.md) {
        deny all;
    }

    location / {
        try_files $uri $uri/ =404;
    }

    location ~ /\.php(?:$|/) {
        fastcgi_split_path_info ^(.+\.(php))(/.+)$;
        include fastcgi_params;
        fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
        fastcgi_param PATH_INFO $fastcgi_path_info;
        fastcgi_pass matomo-php-handler;
        fastcgi_intercept_errors on;
    }
}
```

```
}  
}
```

- Change the ownership of the matomo directory:

```
chown -R matomo:www /usr/local/www/matomo
```

- Restart nginx and start php-fpm:

```
sysrc php_fpm_enable=YES  
service php-fpm start  
service nginx restart
```

- Now open up a web browser and go to <http://matomo.example.com> to finish the setup process.

## History

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**#1 - 02/18/2022 08:08 PM - Daniel Curtis**

- Status changed from New to Closed

**#2 - 02/18/2022 08:08 PM - Daniel Curtis**

- % Done changed from 0 to 100