

# Setting Up Matomo Analytics with a Dedicated MariaDB Instance

## Overview

This article details the process of deploying Matomo Analytics using a dedicated, isolated MariaDB database. This method ensures that your analytics data remains separate from other services (like Nextcloud), preventing database conflicts and simplifying maintenance.

## Prerequisites

- **Host System:** Ubuntu Server with CasaOS or Docker installed.
- **Storage Path:** /DATA/AppData/matomo
- **Port Availability:** Port 8484

## 1. Docker Compose Configuration

Use the following configuration for a Custom Install in CasaOS:

```
services:
  matomo_db:
    image: mariadb:10.11
    container_name: matomo_db
    command: --max-allowed-packet=64MB
    environment:
      - MARIADB_ROOT_PASSWORD=matomo_root_password
      - MARIADB_DATABASE=matomo
      - MARIADB_USER=matomo
      - MARIADB_PASSWORD=matomo_secure
    volumes:
      - /DATA/AppData/matomo/db:/var/lib/mysql
    restart: unless-stopped

  matomo_app:
    image: matomo:latest
    container_name: matomo_app
    restart: unless-stopped
```

```
ports:
  - "8484:80"
environment:
  - MATOMO_DATABASE_HOST=matomo_db
  - MATOMO_DATABASE_DBNAME=matomo
  - MATOMO_DATABASE_USERNAME=matomo
  - MATOMO_DATABASE_PASSWORD=matomo_secure
volumes:
  - /DATA/AppData/matomo/html:/var/www/html
depends_on:
  - matomo_db
```

## 2. Database Connection Credentials

During the Matomo web-based setup wizard, use these internal credentials:

Setting	Value
Database Server	matomo_db
Login	matomo
Password	matomo_secure
Database Name	matomo

## 3. Implementation on BookStack

1. Log in to Matomo and navigate to **Administration > Websites > Manage**.
2. Copy the **JavaScript Tracking Code**.
3. In BookStack, navigate to **Settings > Customization**.
4. Paste the script into the **Custom HTML Head Content** area and save.

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