

Matomo Private Web Analytics Self Hosted Server by Code Creator

Customer Setup and Usage Instructions

AWS Marketplace AMI by Code Creator

Purpose	Self-hosted Matomo web analytics for private website tracking, reporting, and data ownership.
Base system	Ubuntu 24.04 LTS with Docker Compose, MariaDB 11.4, and Nginx reverse proxy.
Matomo version	Matomo 5.11.1.
Main URL	http://YOUR_INSTANCE_PUBLIC_IP/
Info page	http://YOUR_INSTANCE_PUBLIC_IP/codecreator.html
SSH user	ubuntu

1. Launch the instance

1. Launch the product using 1-Click from AWS Marketplace.
2. Wait until the EC2 instance state is Running and AWS status checks have passed.
3. After the instance is running, wait about 60-90 seconds for first-boot setup to finish.
4. Open the instance in a browser using the public IP address.

http://YOUR_INSTANCE_PUBLIC_IP/

2. Connect by SSH

Use your AWS private key and the default Ubuntu username:

`ubuntu`

Example SSH command:

```
ssh -i /path/to/your-key.pem ubuntu@YOUR_INSTANCE_PUBLIC_IP
```

3. First-time Matomo setup wizard

On first launch, Matomo displays its setup wizard. Use the database settings generated on the instance.

Field	Value
Database host	db
Database name	matomo
Database username	matomo
Database password	View it with: <code>sudo cat /root/matomo-db.env</code>

To view the generated database credentials over SSH, run:

```
sudo cat /root/matomo-db.env
```

Important: these are database credentials only. During the wizard, create your own Matomo administrator account for the web interface.

4. Add your first website

5. In the Matomo setup wizard, enter the website name and website URL you want to track.
6. After setup, Matomo displays a JavaScript tracking code.
7. Copy that tracking code into the pages of the website you want to measure.
8. Return to Matomo to view visits, referrers, pages, campaigns, devices, and other analytics reports.

5. Helpful Code Creator commands

Command	What it does
<code>codecreator-matomo-url</code>	Show the Matomo URL, Code Creator info page URL, and credential location.
<code>codecreator-matomo-status</code>	Check Docker, Nginx, containers, HTTP routes, and disk usage.
<code>codecreator-matomo-logs</code>	Follow recent Matomo and MariaDB container logs.
<code>codecreator-matomo-restart</code>	Restart the Matomo stack and Nginx.
<code>codecreator-matomo-backup</code>	Create a database and Matomo files backup under <code>/opt/codecreator-matomo/backups</code> .
<code>codecreator-matomo-archive-status</code>	Show the hourly background archive cron and recent archive log.
<code>codecreator-matomo-ssl</code>	Configure optional HTTPS after pointing a domain name to the instance.

6. Background archiving

Background archiving is preconfigured to run hourly at minute 05. This helps Matomo process reports in the background instead of relying only on browser-triggered report generation.

```
sudo cat /etc/cron.d/matomo-archive
```

```
codecreator-matomo-archive-status
```

Before the Matomo setup wizard is completed, the archive job will skip safely. After setup, it will run automatically.

7. Backups

To create a backup, run:

```
codecreator-matomo-backup
```

Backup files are stored in:

```
/opt/codecreator-matomo/backups
```

For production workloads, copy backups to durable storage such as Amazon S3 or a separate backup volume.

8. Optional HTTPS setup

By default, the server works by public IP over HTTP. To use HTTPS, first point a DNS A record to the instance public IP address. Then run:

```
codecreator-matomo-ssl
```

Example DNS record:

```
analytics.example.com -> YOUR_INSTANCE_PUBLIC_IP
```

9. Security group ports

Port	Required?	Purpose
22	Yes	SSH administration
80	Yes	Matomo web access and setup
443	Optional	HTTPS after DNS and SSL setup

Do not expose MariaDB. The database is used internally by Docker Compose and should not be opened to the internet.

10. Recommended instance sizes

Instance size	Suggested use
t3.small	Testing, demos, and low-traffic websites
t3.medium	Recommended default for small business analytics
t3.large	Higher traffic websites or multiple tracked websites
m6i.large or m7i.large	Business workloads with more reporting activity

Storage: 30 GB minimum, 50 GB recommended, and 100 GB or more for heavier analytics history.

11. Troubleshooting

- If the page does not appear immediately, wait another minute and refresh the browser.
- Run `codecreator-matomo-status` to verify Docker, Nginx, and local HTTP routes.
- Run `codecreator-matomo-logs` to inspect application and database logs.
- Verify your security group allows inbound TCP 80 from your location.
- Use database host `db` in the Matomo installer, not `localhost`.

12. Product support notes

This AMI is designed to give AWS customers a clean, self-hosted Matomo analytics starting point with first-boot credential generation, helper commands, backup support, hourly archiving, and optional HTTPS setup.

For official Matomo product documentation, visit matomo.org/docs and matomo.org/faq.