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This guide shows you how to install **Mautic 5** on a fresh **Ubuntu 22.04** DigitalOcean droplet with **4 GB of RAM**. We'll configure Apache, MariaDB, PHP 8.1, Node.js 20, and Certbot (for Let's Encrypt SSL) ensuring the certificate is installed before running the Mautic web-based setup.

1. Create a 4GB Ubuntu 22.04 Droplet

- 1. Log into DigitalOcean and create a Droplet.
- 2. Choose Ubuntu 22.04 (LTS) as the OS image.
- 3. Select the Basic plan with 4 GB of RAM (or higher).
- 4. Under "Authentication," add your SSH keys or choose a root password.
- 5. (Optional) Add your domain if you have one, or skip for now.
- 6. Click **Create Droplet**.

Once created, copy the public IP address of your new droplet. You'll use this to SSH in and to access Mautic in a browser.

2. Initial System Update

```
apt-get update -yapt-get upgrade -yreboot
```

This updates and upgrades server packages to their latest versions. A reboot is typically a good idea afterward on a new installation.

3. Install Apache

```
apt-get install -y apache2systemctl enable apache2systemctl start apa
che2systemctl status apache2
```

Visit <u>http://YOUR_DROPLET_IP</u> in a browser to confirm Apache's default page loads.

4. Install MariaDB and Secure It

```
apt-get install -y mariadb-server mariadb-clientsystemctl enable mari
adbsystemctl start mariadbmysql_secure_installation
```

Follow the prompts to set a root password, remove the test database, etc.

5. Create the Mautic Database and User

Next, create a dedicated database and user for Mautic:

```
mysql -e "CREATE DATABASE mautic;"mysql -e "CREATE USER 'mautic_user'
@'localhost' IDENTIFIED BY 'YourStrongPassword';"mysql -e "GRANT ALL
PRIVILEGES ON mautic.* TO 'mautic_user'@'localhost';"mysql -e "FLUSH
PRIVILEGES;"
```

You can use any names you like, but in this example we create a database mautic and a user mautic_user with a secure password.

6. Install PHP 8.1 and Extensions

```
apt-get install -y php8.1 php8.1-cli php8.1-curl php8.1-mbstring php8
.1-mysql php8.1-xml php8.1-zip php8.1-intl php8.1-gd php8.1-imap php
8.1-bcmath libapache2-mod-php8.1 unzip
```

php8.1-imap is important if Mautic will handle inbound email. If not needed, you can omit it.

7. Install Node.js 20 (Required by Mautic 5)

```
apt-get remove --purge -y nodejs libnode-devcurl -fsSL https://deb.no
desource.com/setup_20.x | bash -apt-get install -y nodejsnode -v # Sh
ould show v20.xnpm -v # Should show 10.x
```

Mautic 5's build process and certain plugins require Node. js 20 and npm 10.

8. Install and Configure Composer

```
curl -sS https://getcomposer.org/installer -o composer-setup.phpphp c
omposer-setup.php --install-dir=/usr/local/bin --filename=composerrm
composer-setup.phpsudo -u www-data composer -V
```

We'll continue to run Composer as www-data to avoid permissions issues.

9. Enable Apache Rewrite and AllowOverride

a2enmod rewritea2enmod headerssystemctl restart apache2

10. Create the Mautic Directory and Set Ownership

mkdir -p /var/www/mauticchown -R www-data:www-data /var/www

Ensuring www-data can write here simplifies installation via Composer later.

11. Configure Apache Virtual Host

Create (or edit) /etc/apache2/sites-available/mautic.conf:

<VirtualHost *:80> ServerName your-domain.com ServerAlias www.your-do
main.com DocumentRoot /var/www/mautic/docroot <Directory /var/www/mau
tic/docroot> AllowOverride All Require all granted </Directory> Error
Log \${APACHE_LOG_DIR}/mautic_error.log CustomLog \${APACHE_LOG_DIR}/ma
utic_access.log combined</VirtualHost>

a2ensite mautic.confa2dissite 000-default.conf # optionalsystemctl re load apache2

12. Point Your Domain to the Droplet (DNS)

- 1. In your domain registrar's DNS settings, create an **A record** for example.com pointing to your droplet's public IP.
- 2. (Optional) Create a **CNAME** for www.example.com pointing to example.com.
- 3. Wait for DNS to propagate (can take minutes to hours).

13. Install Certbot and Obtain SSL Certificate

Let's Encrypt will secure your domain before you run Mautic's web-based setup.

Follow the prompts to select your domain, enable HTTPS, and optionally force redirect from HTTP to HTTPS.

14. Install Mautic 5 via Composer (as www-data)

```
sudo -u www-data composer create-project mautic/recommended-
project:^5 /var/www/mautic --no-interaction
```

This downloads the Mautic 5.x codebase into /var/www/mautic, owned by www-data.

15. Adjust PHP Settings

```
sed -i 's/^memory_limit =.*/memory_limit = 512M/' /etc/php/8.1/apache
2/php.inised -i 's/^upload_max_filesize =.*/upload_max_filesize = 64M
/' /etc/php/8.1/apache2/php.inised -i 's/^post_max_size =.*/post_max_
size = 64M/' /etc/php/8.1/apache2/php.inised -i 's/^max_execution_tim
e =.*/max_execution_time = 300/' /etc/php/8.1/apache2/php.inisystemct
l restart apache2
```

16. Complete Mautic Setup in the Browser

Now that SSL is configured, visit **https://example.com** to run Mautic's webbased setup:

- Mautic Setup Wizard appears.
- Provide your database info:
 - Database Host: localhost
 - Database Name: mautic

- Database User: mautic_user
- Database Password: the password you set
- Set up an admin account with email, username, and password.
- Click **Next** to finalize.
- Log in and start configuring your Mautic instance over HTTPS!

Tip: If you see a 404 error after install, confirm

your DocumentRoot is /var/www/mautic/docroot (or public, depending on your Mautic structure) and that .htaccess is allowed in your Apache config.

You now have a fully functional **Mautic 5** instance with SSL in place before opening the Mautic installer in a browser. From here, you can configure cron jobs, integrate email providers, and use Mautic's powerful marketing automation features!

Online URL: <u>https://kb.mautic.org/article/how-to-install-mautic-5-on-ubuntu-22-04-with-ssl-and-node-js-20.html</u>