

# How to Install Mautic 5 on Ubuntu 22.04 with SSL and Node.js 20

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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.

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### 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 apache2systemctl status apache2
```

Visit [http://YOUR\\_DROPLET\\_IP](http://YOUR_DROPLET_IP) 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 mariadbsystemctl 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-imagick php8.1-bcmath libapache2-mod-php8.1 unzip
```

php8.1-imagick 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-dev curl -fsSL https://deb.nodesource.com/setup_20.x | bash - && apt-get install -y nodejs node -v # Should show v20.x npm -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.php php composer-setup.php --install-dir=/usr/local/bin --filename=composer && rm composer-setup.php sudo -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 rewrite && a2enmod headers && systemctl restart apache2
```

## 10. Create the Mautic Directory and Set Ownership

```
mkdir -p /var/www/mautic && chown -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-domain.com DocumentRoot /var/www/mautic/docroot <Directory /var/www/mautic/docroot> AllowOverride All Require all granted </Directory> ErrorLog ${APACHE_LOG_DIR}/mautic_error.log CustomLog ${APACHE_LOG_DIR}/mautic_access.log combined</VirtualHost>
```

```
a2ensite mautic.conf a2dissite 000-default.conf # optional systemctl reload 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.

```
sudo apt-get updatesudo apt-get install -y certbot python3-certbot-apachecertbot --version # Optional: verifysudo certbot --apache
```

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/apache2/php.ini  
sed -i 's/^upload_max_filesize =.*/upload_max_filesize = 64M/' /etc/php/8.1/apache2/php.ini  
sed -i 's/^post_max_size =.*/post_max_size = 64M/' /etc/php/8.1/apache2/php.ini  
sed -i 's/^max_execution_time =.*/max_execution_time = 300/' /etc/php/8.1/apache2/php.ini  
systemctl restart apache2
```

## 16. Complete Mautic Setup in the Browser

Now that SSL is configured, visit <https://example.com> to run Mautic's web-based 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:

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