

Installation

T TitanNews

|  Updated: March 12, 2026

Titan News – Installation Guide

Titan News is built on the robust and secure **Laravel Framework**. Due to its modern architecture, the application requires specific server configurations to function correctly. Please review the requirements carefully before starting the installation.



You may choose **one of the three installation methods** below based on your hosting environment and technical preference.

Server Requirement

Security & Document Root Configuration

Laravel uses a protected directory structure for security reasons. Your **Domain or Subdomain Document Root must point to the /public directory** inside the project.

Example:

-  **Correct:** `/home/user/public_html/titan-news/public`
 -  **Incorrect:** `/home/user/public_html/titan-news/`
-

Server Requirements

Before installing **Titan News**, ensure your server meets the following requirements. Most modern shared hosting providers (cPanel/aaPanel) support these by default.

Software Requirements

- **PHP:** 8.2 or higher
- **Database:** MySQL 5.7+ or MariaDB 10.3+

Required PHP Extensions

Make sure the following extensions are enabled in your PHP configuration (`php.ini`):

- BCMath
 - Ctype
 - cURL
 - DOM
 - Fileinfo
 - GD
 - JSON
 - Mbstring
 - OpenSSL
 - PCRE
 - PDO
 - Tokenizer
 - XML
 - Zip
-

Method 1: Automated Web Installer (Easy & Recommended)

This is the fastest and easiest way to install Titan News. The system includes a built-in setup wizard that handles the database configuration automatically.

Step 1: Upload & Prepare Database

1. Upload and extract the source code to your server.
2. Ensure your domain's **Document Root** points to the `public/` folder.
3. Log in to your hosting control panel, create a new **MySQL Database**, and assign a **Database User** to it.

Step 2: Run the Setup Wizard

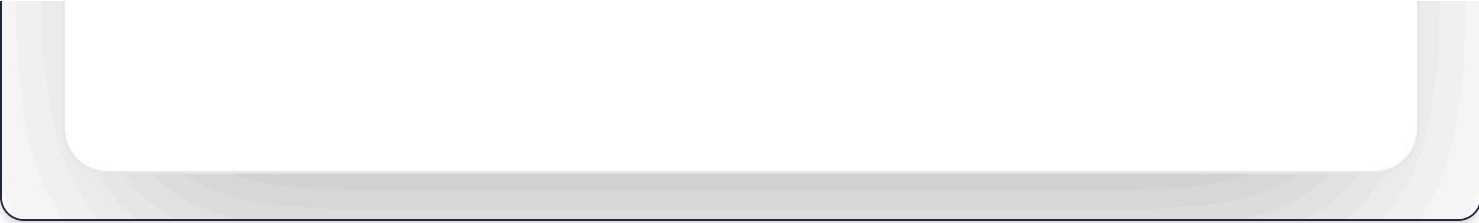
1. Open your web browser and navigate to your domain (e.g., `http://your-domain.com`). *(Note: The installer will launch automatically if no `.env` file exists. You can also access it directly via `http://your-domain.com/install`).*

Installer

Welcome to Installer

This wizard will configure your application in
just a few clicks.

Start Installation

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2. **Server Check:** The installer will verify your server PHP extensions and folder permissions.
 3. **Database Configuration:** Enter the Database Name, Username, and Password you created in Step 1.

Database & Admin Setup

Host

127.0.0.1

Port

3306

Database Name

Username

root

Password

Options



Run Demo Seeders

Installs default categories, sample posts, and a default Admin account.

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Test & Continue

4. Options:

- **Run Seeders (Checked):** Installs default categories, sample posts, and the default admin account.
- **Run Seeders (Unchecked):** Skips sample data and prompts you to create your own custom Admin Name, Email, and Password directly in the installer.

5. Click **Install**. The system will write your configuration, run database migrations, and generate storage links automatically.

Installer



Installation Complete!

Your application is ready to use.

Your Admin Credentials

Email: **admin@example.com**

Password: **12345678**

*Please log in and change your settings
immediately.*




Go to Website

Installation Complete!

Method 2: Manual Installation (Shared Hosting / cPanel)

Step 1: Upload Source Files

1. Log in to your hosting **File Manager** (cPanel/aaPanel) or connect using an **FTP client** (e.g., FileZilla).
2. Upload the **source code ZIP file** to your target directory (commonly `public_html`).
3. **Extract** the ZIP file.
4. If the files are inside an extra directory (e.g., `source/`), **move all inner files and folders directly into** `public_html` .
5. **Set Directory Permissions:**
 - Set the following folders to **775 (writable)**:
 - `storage`
 - `bootstrap/cache`

“ **Ensure these directories are owned by the correct server user. Incorrect ownership may cause write permission issues even if permissions are set to 775.**”

Step 2: Database Setup

1. Log in to your hosting control panel.
 2. Open the **MySQL Database Wizard**.
 3. Create a new **database** and **database user**, and assign the user full privileges.
 4. Open **phpMyAdmin**.
 5. Select the newly created database and click the **Import** tab.
 6. Choose the `database.sql` file located in the `source/` directory.
 7. Click **Go** to import the database.
-

Step 3: Application Configuration

1. Open your **File Manager**.
2. Locate the file named `.env.example`.
3. Rename it to `.env`.
4. Edit the `.env` file and update the following values:

```
APP_URL=http://your-domain.com
```

```
DB_DATABASE=your_database_name
```

```
DB_USERNAME=your_database_user
```

```
DB_PASSWORD=your_database_password
```

“**Note:** `APP_URL` must exactly match your domain (no trailing slash).”

5. Save the file.
-

Step 4: Finalize Installation (Admin Panel)

Since shared hosting does not provide terminal access, use the built-in system tools.

1. Open your website URL in a browser. The homepage should load.
2. Log in to the **Admin Panel** using the default credentials:
 - **Email:** admin@example.com
 - **Password:** 12345678
3. Navigate to **Settings** → **System Maintenance**.
4. Click **“Fix Storage Link”** to ensure uploaded images display correctly.

If this action fails, run the following command via SSH/terminal:

```
php artisan storage:link
```

Also verify:

- **Symlink support** is enabled on your server
 - **Open Basedir** restrictions are disabled
5. Click **“Clear All Cache”** to refresh system configuration.
 6. **Installation Complete!** Your site is now live.
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Method 3: Terminal Installation (VPS / Localhost)

Recommended for developers or users with SSH access (VPS, Ubuntu, CentOS, or Localhost).

Step 1: Upload & Extract

1. Upload the source code to your server.
2. Navigate to the project directory:

```
cd /path/to/your/project
```

Step 2: Environment Configuration

1. Copy the example file:

```
cp .env.example .env
```

2. Edit the `.env` file and update:

- `APP_URL`
 - `DB_DATABASE`
 - `DB_USERNAME`
 - `DB_PASSWORD`
-

Step 3: Install & Configure

Run the following commands in order:

1. **Generate Application Key**

```
php artisan key:generate
```

2. Run Migrations & Seed Data

```
php artisan migrate --seed --force
```

3. Create Storage Symlink

```
php artisan storage:link
```

4. Clear & Optimize Cache (Production)

```
php artisan optimize:clear
```

Installation Complete!

Default Admin Login

If you utilized the default Database Seeders (or Method 2/3), log in to the Admin Panel using:

- **Login URL:** `http://your-domain.com/login`
- **Email:** `admin@example.com`
- **Password:** `12345678`

(If you used Method 1 and unchecked "Run Seeders", use the custom credentials you created during setup).

Development (For Local Development Only)

- **Node.js & NPM** (Frontend asset building)
- **Composer** (Backend dependency management)

For local development, refer to the **Developer Guide**.

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