

PRESTAKIT

OFFICIAL MANUAL

PrestaKit CMS

E-commerce platform for selling OpenCart modules. Comprehensive guide for installation, administration, and client features.

DESIGNED FOR
Clients & Administrators

RELEASE DATE
May 2026

SYSTEM VERSION
v1.0.0 (Stable)

1. Introduction & System Overview

PrestaKit CMS is a modern, lightweight, and high-performance content management system built on a vanilla PHP/MySQL stack. The platform is specifically designed for developers and agencies creating and selling extensions for the popular OpenCart CMS.

Key Features

- **Multilingual Support (EN, LV, RU):** Full localization across database tables and client-side view files, featuring seamless session-based language prefixes in URLs.
- **Interactive Web Installer:** A highly robust 5-step installer wizard that deploys the application on any hosting server within minutes without requiring manual database imports.
- **OpenCart Extension Generator:** An administrative tool allowing developers to scaffold standard, PSR-12 compliant `.ocmod.zip` extensions dynamically.
- **Analytics & Abandoned Cart Recovery:** Detailed logs of visitor IP, country, device, browser, and automatic 3-tier email recovery sequences with discount coupon generation.
- **Enhanced Security Standards:** Global CSRF protection, parametrised PDO queries to eliminate SQL injections, and dynamically randomized admin login pathways.

Technical Stack

Component	Technology Used
Core Backend	Vanilla PHP 7.4+ / PHP 8.x (OOP patterns, PDO DB Singleton)
Database	MySQL (PDO Driver with prepared queries)
Styling & Theme	Vanilla CSS, Bootstrap 5.3 for admin layout, Outfit & Inter typography
Routing Framework	Lightweight Front Controller supporting multilingual language prefixes in URLs
Email Delivery	Brevo REST API (Sendinblue) for transaction and marketing receipts

2. System Requirements & Preparation

Before launching the setup wizard, ensure your host environment matches the prerequisite conditions below. The CMS runs perfectly on both Shared Cpanel hostings and robust dedicated VPS nodes under Nginx.

Prerequisite Server Conditions

- **Web Server:** Apache (with `mod_rewrite` active) or Nginx.
- **PHP Version:** PHP 7.4, 8.0, 8.1, 8.2, or 8.3 (PHP 8.2+ recommended for peak performance).
- **Database Engine:** MySQL 5.7+ or MariaDB 10.3+.
- **Required PHP Extensions:**
 - `pdo_mysql` — Database communication;
 - `zip` — Scaffold module ZIP outputs;
 - `gd` — Resizing, compression, and converting images to WebP;
 - `mbstring` — Multi-byte UTF-8 string encoding;
 - `curl` — Integrating Stripe & Brevo external webhooks.

Folder Writing Permissions

To successfully write the database credentials configuration file, upload media files, and generate debug logs, ensure the following folders are writeable by the server group (e.g., `www-data`):

- `/config/` (stores `database.php` credentials setup);
- `/public/uploads/` (sub-folders for products, banners, avatars);
- `/storage/logs/` and `/logs/` (system event logs).

SECURITY MEASURE

All public uploads directories contain standard `index.html` forbidden placeholders and `.htaccess` guards preventing direct Directory Browsing.

3. Step-by-Step Installation (Web Installer)

When loading the page for the first time, the core router detects that no database credentials file is configured and redirects visitors to the `/install` wizard.

Step 1: Prerequisites & Writable Folders Check

The installer checks standard server modules and permissions on writing folders. If a validation fails, it displays a red warning alerting you to adjust server folders.

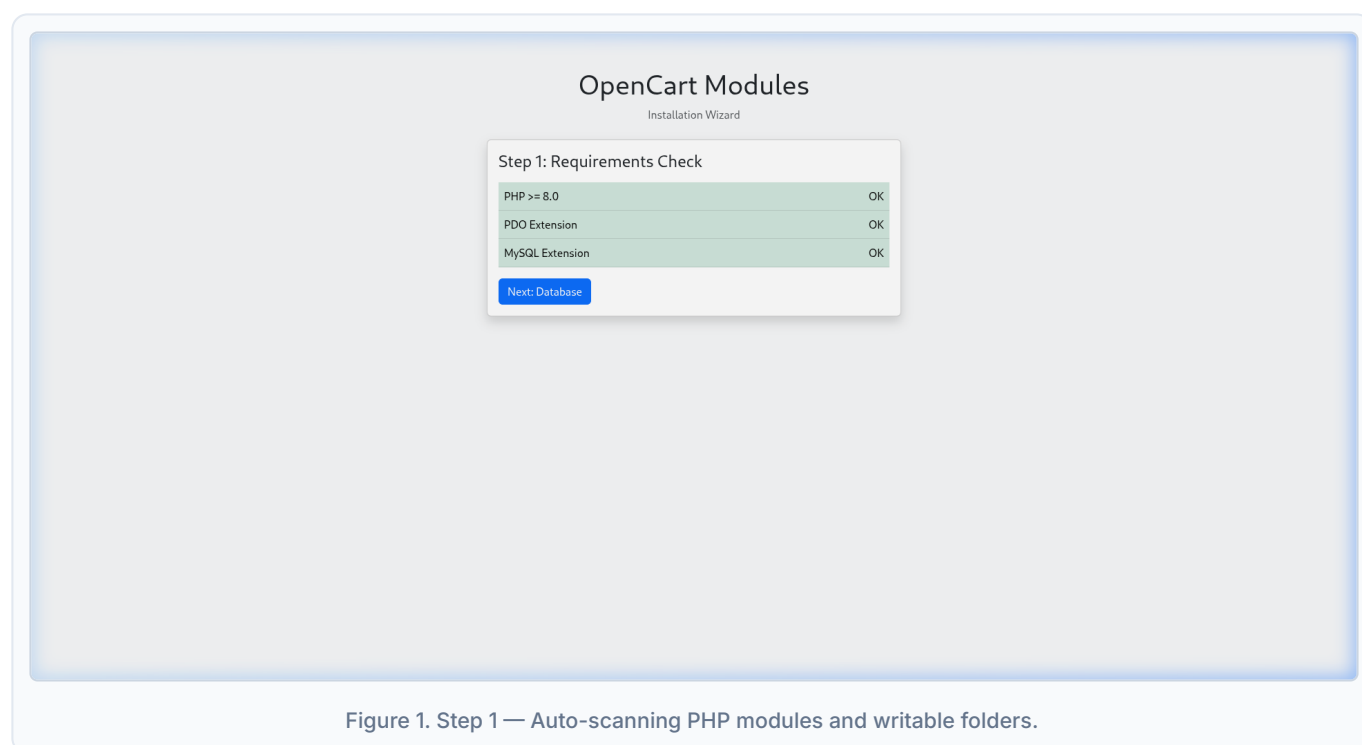


Figure 1. Step 1 — Auto-scanning PHP modules and writable folders.

Step 2: Database Connection Form

Input your MySQL parameters (Host, Database Name, User, and Password) along with your system license registration key to validate active product updates.

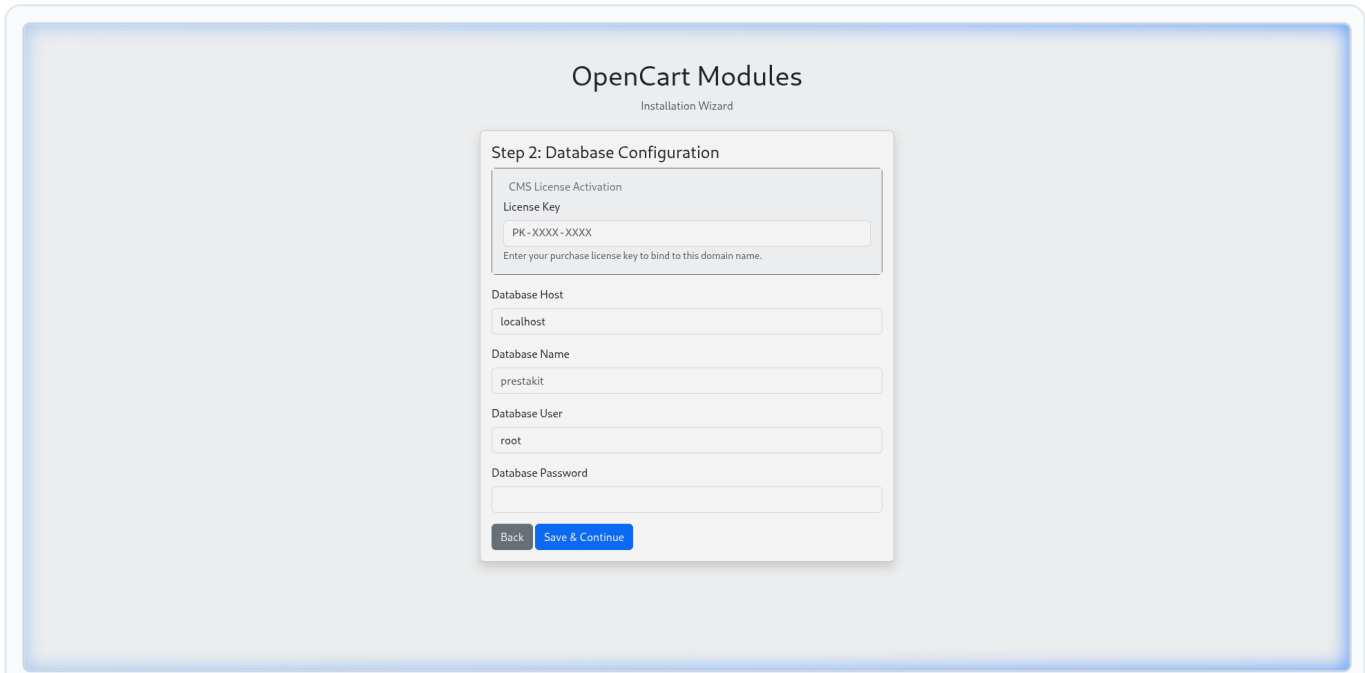


Figure 2. Step 2 — MySQL credentials configuration interface.

Step 3: Database Tables Creation

The system dynamically compiles the database schema, creating all 25 tables and populating pre-configured multilingual tax structures and default parameters.

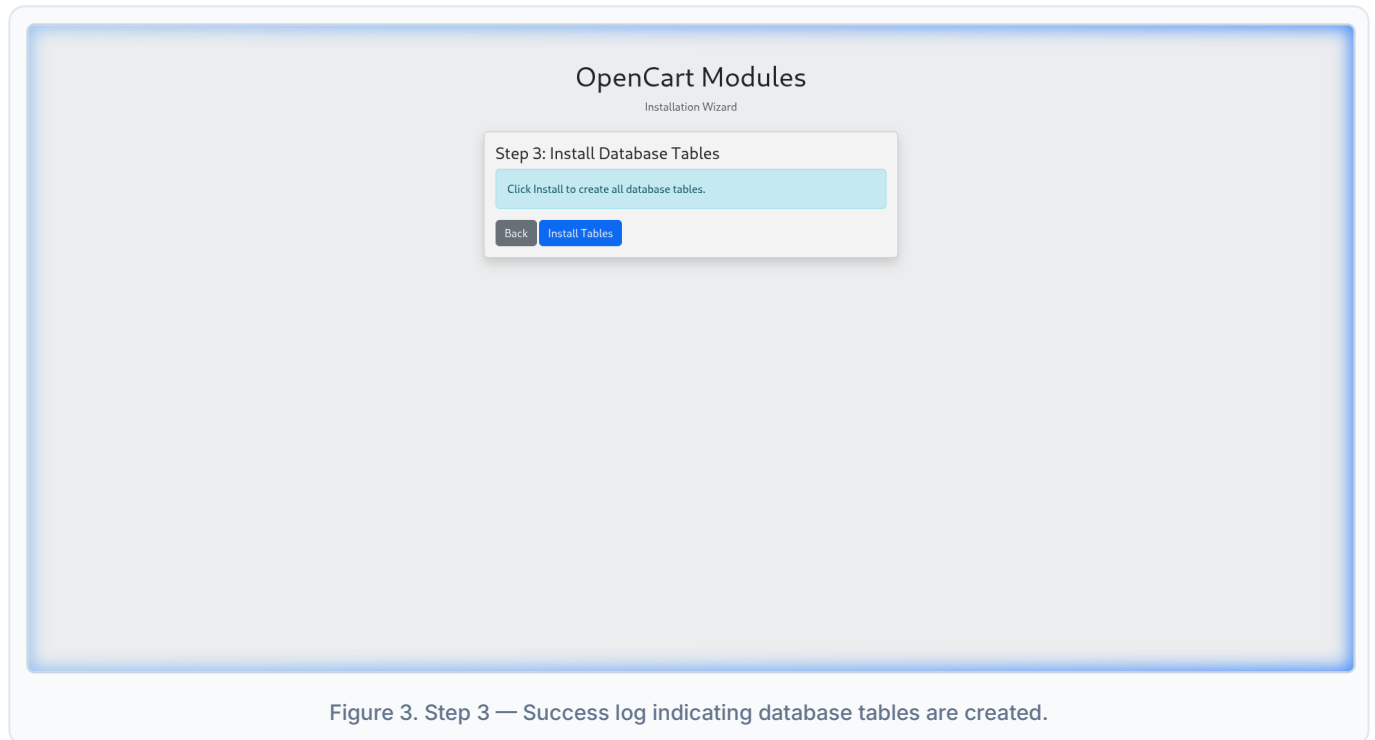


Figure 3. Step 3 — Success log indicating database tables are created.

Step 4: Register Super-Administrator account

Register the Administrator name, email, and password. The system writes this profile to the database and generates a unique, safe URL key for admin dashboard access.

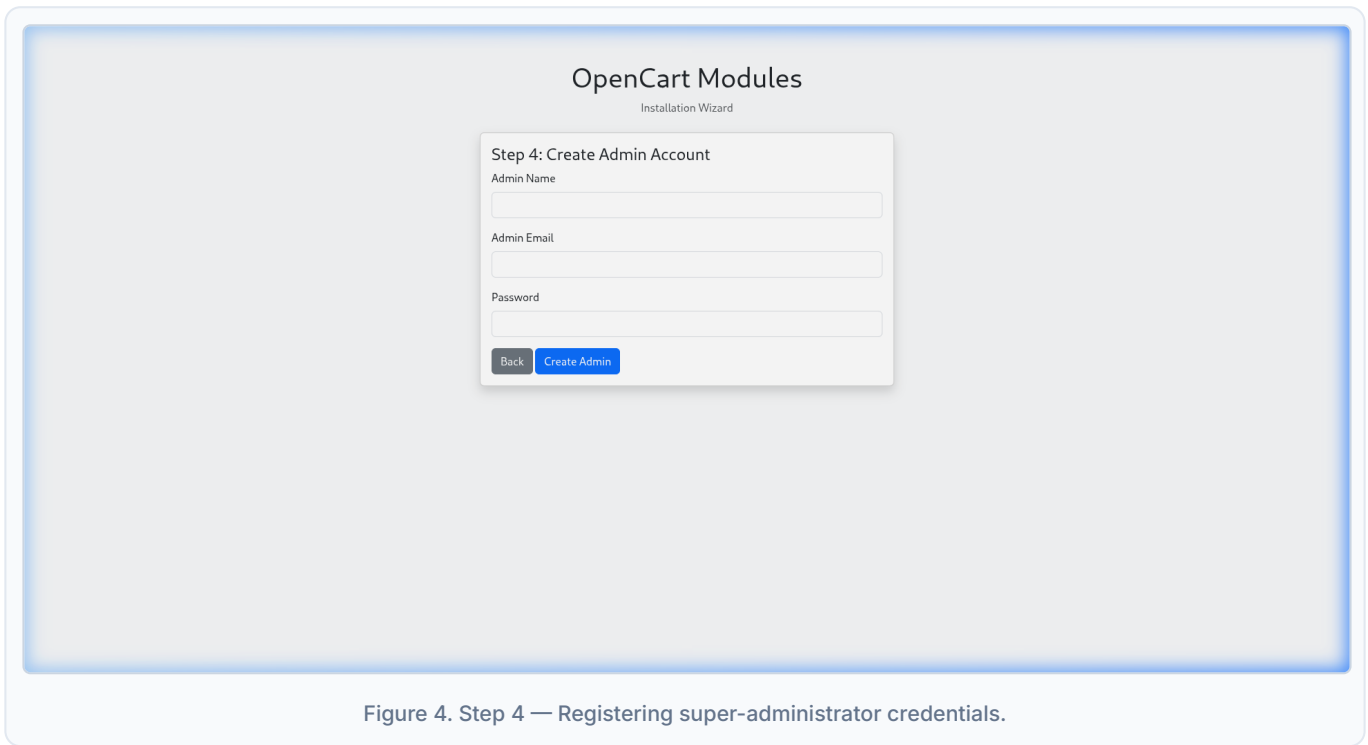


Figure 4. Step 4 — Registering super-administrator credentials.

Step 5: Setup Wizard Complete

Installation complete. Links to the public client homepage and the secure admin dashboard are presented.

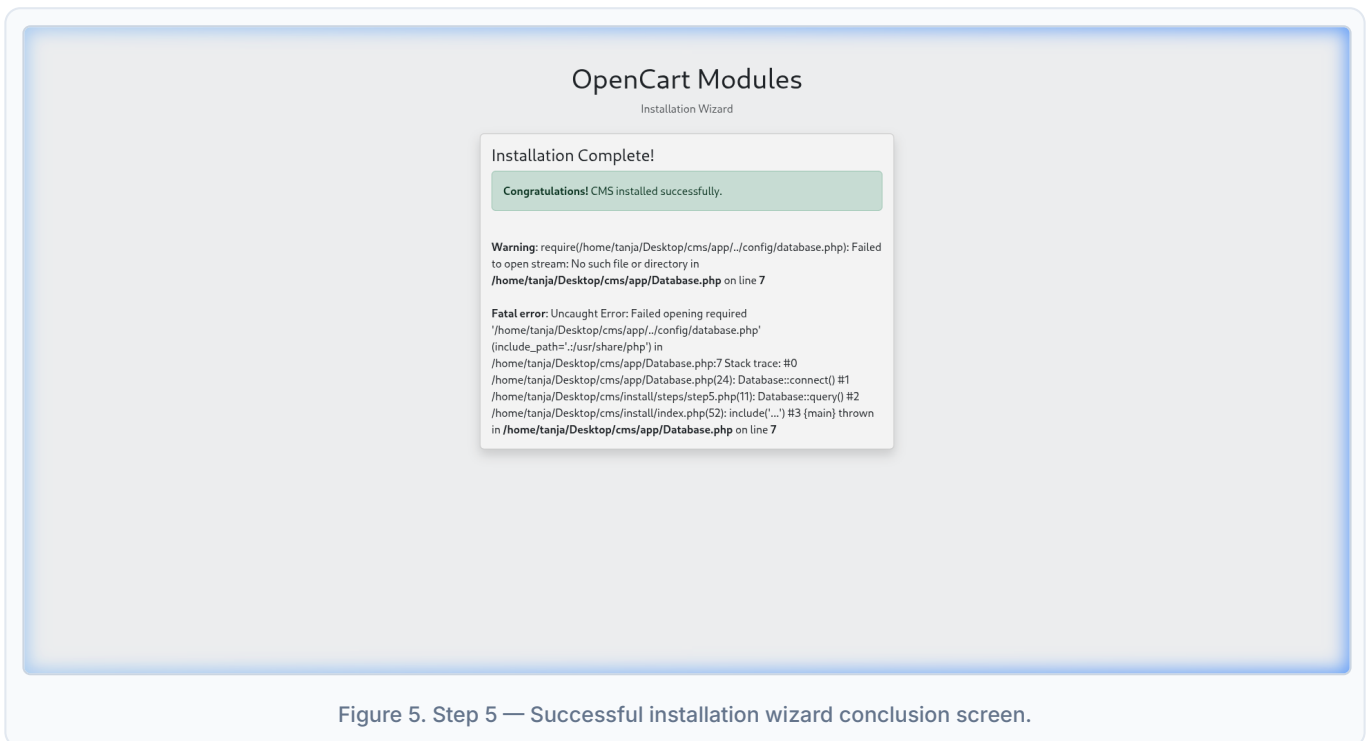


Figure 5. Step 5 — Successful installation wizard conclusion screen.

4. Using the Client-Side Showcase

Customers explore a highly responsive catalog containing advanced features, designed to convert visits to sales swiftly.

Responsive Homepage Layout

Features a premium top banner showcase, modules carousel, customer review widgets, and newsletter subscriptions.

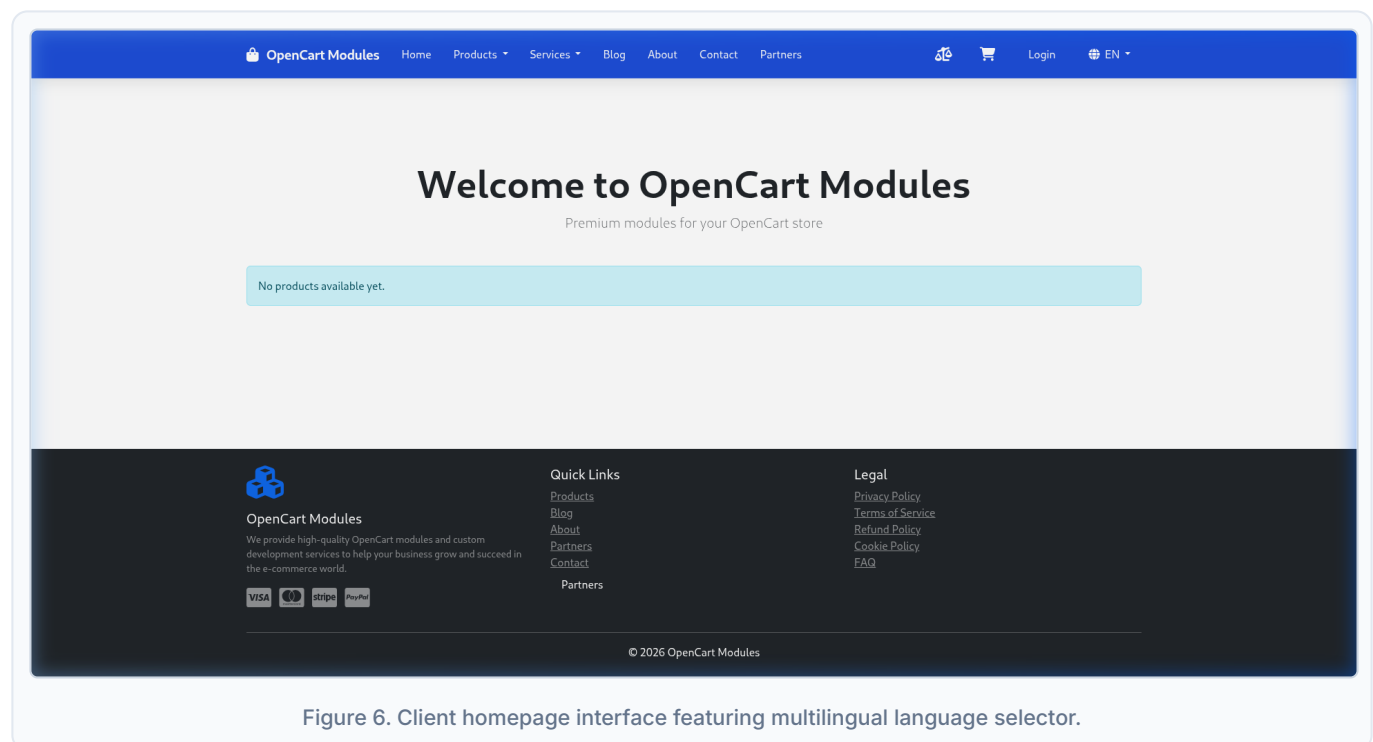


Figure 6. Client homepage interface featuring multilingual language selector.

Modules Catalog & Sidebar Filters

The catalog page (</products>) has a robust sidebar filter widget. Users can sort modules by price, OpenCart core compatibility (3.x, 4.x), custom categories, and reviews without page reloads.

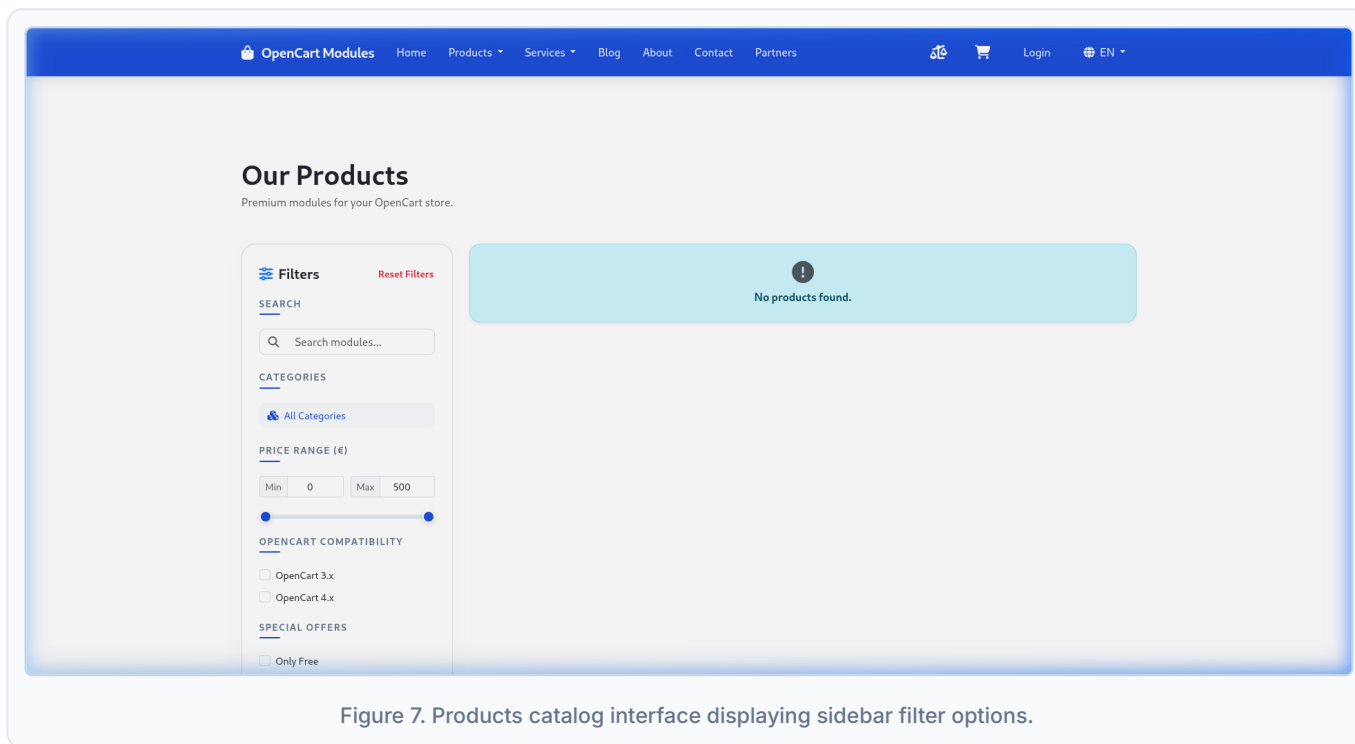


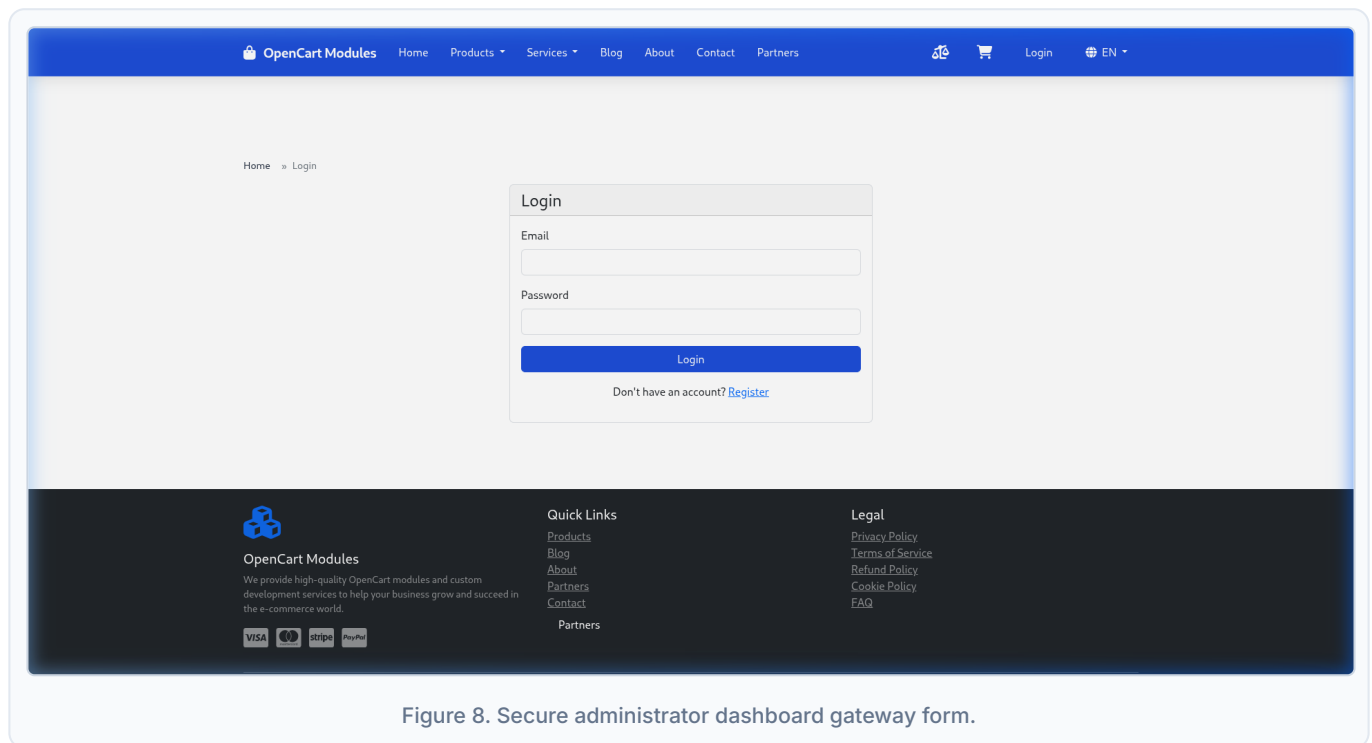
Figure 7. Products catalog interface displaying sidebar filter options.

5. Administrative Panel Guide

The backend panel is secure and hidden. Access it using the unique randomized hex URL generated during Step 4 (e.g., `/9d077d6204625dd9`).

Secure Login Page

Input your administrative email and password to access the panel.



Primary Management Interfaces

Analytics Dashboard

Comprehensive charts tracking visitor geolocations, devices, active cart statuses, conversion trends, and web traffic routes.

Abandoned Carts

Hourly scans tracking inactive user sessions, sending a 3-tier sequence of custom reminders with automated coupon discounts.

Translations Editor

Manage static layout keywords directly in the control panel for EN, LV, and RU without changing source code files.

Extension Builder

Define language parameters, naming schemes, versions, and dynamically output PSR-12 standard OpenCart ZIP extensions.

SECURITY TIP

For higher production safety, review active sessions and change the dynamic administration URL periodically in the System Settings panel.