

# CubeCart 6.6.0 Released — The Biggest Update in Years

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We're excited to announce CubeCart 6.6.0 — the biggest release in years, packed with new features, security hardening, performance improvements and quality-of-life upgrades across the board.

Download: <https://www.cubecart.com/download>

Demo: <https://www.cubecart.com/demo>

## HEADLINE FEATURES

Abandoned-Cart Notifications — Configurable follow-up emails to recover lost sales, with adjustable timing and content.

REST API (Beta) — 9 resources with Bearer-token authentication and an admin UI for key management. Build integrations, sync inventory, pull orders and more.

Extension Marketplace — Completely redeveloped for browsing, installing and managing extensions directly from the back office.

Box-Packing Algorithm — Define your shipping box sizes and let CubeCart automatically calculate the most efficient packing for accurate shipping rates.

Two-Factor Authentication — Optional per-admin 2FA using email one-time codes or an authenticator app (Google Authenticator, Authy, etc.) with single-use backup codes.

Global Cron System — Configurable scheduled tasks managed from the back office, powering sitemap regeneration, abandoned-cart emails and more.

Hook Editor — Edit custom hook code with built-in version control so you can track and roll back changes.

Tax & Rounding Fixes — Penny-perfect tax calculations, a complete rewrite of coupon-plus-tax logic for mixed-rate baskets, and gift certificates now deduct from the order total instead of the subtotal.

Language Manager — One-click language installation with a completely rewritten management interface. Fresh installs automatically fetch the latest language packs.

Performance — Bot filtering, redundant cache lookups eliminated, new database indexes, optimised inventory queries and improved housekeeping controls.

## SECURITY

- Full penetration-testing audit with hardening across the platform
- Additional security patches from responsible-disclosure reports

- Closed a blind SQL-injection vector in admin sort parameters (GHSA-8gj6-9fwc-h4gh)
- Closed a stored cross-site scripting vector in product fields (GHSA-gvxc-5v7r-272m)

We strongly recommend all stores upgrade to 6.6.0 for these security fixes alone.

## NEW FEATURES & IMPROVEMENTS

### Major Features

- REST API — 9 resources, Bearer-token auth and an admin UI for key management
- Universal skin selector — one place to switch styles across all skins
- Hook editor with built-in version control for custom code
- Abandoned-cart notification system with configurable follow-ups
- Global cron system with configurable tasks and scheduling
- Restrict categories and products to specific customer groups
- Modernised help system replacing the legacy wiki

### Tax & Pricing

- Tax rounding bugs eliminated — penny-perfect calculations
- Coupon-plus-tax calculation completely rewritten for mixed-rate baskets
- Gift certificates now deduct from the order total, not the subtotal
- Removed the redundant tax setting from gift cards
- Zero-rated tax lines hidden on the checkout page
- Total-discount line only shown when more than one discount applies

### Shipping

- Automated box-packing algorithm for smarter shipping-rate calculation
- Shipping priority — control the order in which options appear
- Shipping falls back to the cheapest method when no qualifying options exist
- Basket preserved when no shipping methods are available

### Checkout & Orders

- Gate the checkout with a minimum and/or maximum subtotal
- Order-total formatting corrected in notification emails
- Currency code now included in payment-notification emails

### Catalogue

- Toggle between WebP, PNG and JPEG image output
- Fixed undefined option list in product-option display
- Fixed regex parentheses error in catalogue search
- Image attributes now update correctly on change

### Structured Data

- JSON-LD product description trimmed to the 5,000-character limit
- Added the optional priceValidUntil field to JSON-LD markup
- JSON-LD description markup validated and corrected
- [Schema.org](https://schema.org) markup in order emails for rich inbox cards

## Email

- Plain-text email auto-generated from HTML — no more manual duplicates
- SendGrid and Mailgun moved to plugins for independent updates
- Mailgun available as a first-class email-sending option
- Per-template toggle to enable or disable email content
- Send method (SMTP, SendGrid, etc.) recorded in the email log
- Removed the unused Import/Export tab from Email Contents
- Missing email content auto-recovers from the language XML

## Languages & Translations

- One-click language installation — completely rewritten language manager
- Fresh installs automatically fetch and select the latest language packs
- New and improved foreign-language translations

## Upgrades & System

- Backups run in the background with an email notification on completion
- Delete-all-backups button for quick clean-up
- Extension Marketplace completely redeveloped
- Setup only backs up global.inc.php when the file has actually changed

## Performance

- Bot filtering to reduce unnecessary overhead
- Redundant cache lookups eliminated (exists + read collapsed to one call)
- Housekeeping governed by probability and configurable limits
- Expensive live\_from inventory query optimised
- Missing database indexes added for faster queries
- PECL Redis preferred over Predis; Predis libraries updated
- Dropped legacy XCache and memcache (non-d) support
- Richer debug output for Redis and Memcached connections

## Admin UI

- Additional tools added to the ACP flyout widget
- Administrator list converted to a sortable table layout
- Improved review-management layout
- Improved admin address-book management
- Quick-clear shortcuts on log pages

- Visual “Copied!” feedback when using the back-office copy tool
- Sortable table rows no longer lose column widths when dragged
- Single quotes in the SQL Query tool no longer HTML-encoded
- Database table optimise feature restored
- No more false “Product successfully updated” when nothing changed
- Cache-clear button visual state now updates correctly
- Debug window no longer appears on top of other content
- ACP widget collapses properly with longer text strings

## SEO & Indexing

- Improved page indexing with proper nofollow/noinindex directives
- Elasticsearch indexes rebuilt automatically when needed
- Sitemap regeneration runs automatically via cron
- Elasticsearch works without authentication, plus new API-key auth option

## Data & Config

- Config storage migrated from base64/JSON blobs to clean name-value pairs
- Created and updated timestamps added to documents and categories
- Default-currency setting moved to the Currencies section
- Currency and country/region data validated on save
- Cookies follow a uniform naming convention

## Code Quality

- Module class completely rewritten for clarity and reliability
- Request class natively supports DELETE and PUT methods
- Back-office schema map reads the live database instead of a static index
- Removed obsolete ini\_set calls for magic\_quotes
- PHP deprecation notices resolved across the codebase
- PHP 8.5 deprecations resolved
- Image uploads with Firefox no longer fail silently
- Gift-card enhancements and edge-case fixes

## UPGRADING

Back up your store and database before upgrading. The upgrade can be run from Setup ([yourdomain.com/setup/](http://yourdomain.com/setup/)) as usual. Note that 6.6.0 migrates the config storage format from base64/JSON blobs to name-value pairs — this is handled automatically during upgrade.

If you encounter any issues, please report them on GitHub: [Issues · cubecart/v6 · GitHub](#)

Thank you to everyone who contributed bug reports, pull requests and testing throughout the development of 6.6.0.

If you need help upgrading, our technical support team is available at

<https://www.cubecart.com/technical-support>