

KiwiCommerce

AI Content Assistant

Magento 2 module documentation

Administrator and deployment guide

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Generate and review content for Products, Categories, CMS Pages and CMS Blocks from Magento Admin. Apply reviewed output to the current form, then use Magento Save to persist it.

The publishing workflow

Save source edits → Generate Preview → Review → Use Content → Confirm → Magento Save

Generation and Apply do not save records automatically. Page Builder insertion appends a native Row/Text block. CMS translation is preview/copy-only because a CMS record may serve multiple store views.

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Compatibility evidence: Magento Open Source 2.4.7-p4 with PHP 8.1.31. Automated tests passed; authenticated Admin Save/reload and actual Page Builder stage acceptance remain pending. Other platform versions require separate qualification.

Capabilities and editor behavior

Record	Admin location	Available features
Product	Catalog → Products → Edit	Description, short description, rewrite, bullets, SEO and translation
Category	Catalog → Categories	Content, rewrite, bullets, SEO and translation
CMS Page	Content → Pages → Edit	Content, rewrite, bullets, SEO and translation preview
CMS Block	Content → Blocks → Edit	Content, rewrite, bullets and translation preview

Open the assistant

Open a saved record and expand **AI Content Assistant**. New unsaved records do not show the panel. Visibility depends on the global enable setting, enabled feature modules and the administrator's permissions. CMS Blocks have no native SEO meta fields.

Standard textarea and WYSIWYG

Use Content updates the matching Magento form field. For TinyMCE, it also updates that editor and its backing textarea. Description and Short Description are detected independently; either may use WYSIWYG or Page Builder. Review the actual field before saving.

Page Builder

Use Content adds a new native Row containing a Text block at the end of the existing layout. It does not replace the layout. If the stage is not ready, open Edit with Page Builder and retry. Rendering is awaited; a creation/render failure attempts to remove the newly added row and restore inheritance state.

Complex source content

Rewriting or translating existing Page Builder markup, Magento directives or other complex HTML is refused. Standard-editor replacement is also blocked when it could destroy complex content. Copy and edit in the native editor instead. Simple generated HTML uses p, ul, ol, li, strong, em and br without attributes; SEO output is plain text.

Installation and updates

Run deployment commands from the Magento root as the Magento filesystem owner. Use your normal backup and deployment process. Extract the distribution ZIP while preserving `app/code/KiwiCommerce/`.

Module	Responsibility
KiwiCommerce_AI	Shared configuration, API client, security and Admin UI
KiwiCommerce_AIContent	Content generation and rewriting
KiwiCommerce_AIMeta	SEO title and description generation
KiwiCommerce_AITranslation	Store-language translation

Requirements

Target platform family: Magento Open Source / Adobe Commerce 2.4.x with a PHP version supported by that Magento release; module code requires PHP 8.1+. Required PHP extensions include curl, DOM, JSON and mbstring. Magento Catalog and CMS are dependencies. Page Builder is optional. A merchant-controlled OpenAI API key is required for generation.

Deploy

```
php bin/magento module:enable KiwiCommerce_AI \
    KiwiCommerce_AIContent KiwiCommerce_AIMeta KiwiCommerce_AITranslation
php bin/magento setup:upgrade
php bin/magento setup:di:compile
php bin/magento setup:static-content:deploy -f --area adminhtml en_US
php bin/magento cache:clean
```

Add all required Admin locales to static deployment. Sign out and back in after role changes, then hard-refresh the browser. For updates, replace the four module directories through the deployment process and rebuild DI/static assets. This release adds no custom database tables, data patches or cron jobs.

Confirm installation

Check module status, open Stores → Configuration → KiwiCommerce Extensions → AI Content Assistant, enable the assistant and save settings. Open an existing record to confirm the panel appears. On limited roles, grant the relevant feature and native entity permissions.

Configuration and permissions

Path: Stores → Configuration → KiwiCommerce Extensions → AI Content Assistant. Settings are global under Default Config.

Group	Settings and defaults
General	Enable (default No), encrypted API key, model, language, tone, global instructions and connection test
Product Data	Base/additional product attribute codes to send as source context
Content	Description: 250 words; short description: 80 words; content instructions
SEO	Title: 60 characters; description: 160 characters; SEO instructions
Translation	Enable translation, default source language and translation instructions

Length values guide generation; they are not hard truncation limits. Default language is English (UK), default tone is Professional. Supported language choices also include English (US), French, German, Spanish, Italian and Dutch.

API connection

Enter the merchant API key in the encrypted configuration field, select a model available to the project, and save configuration before clicking Test API Connection. The test uses saved settings and makes a provider request. The implementation uses the Responses API; its shipped configurable model default is gpt-5.4-mini. Model availability and account quota must be checked with the provider.

The key remains server-side. Do not include it in screenshots, tickets or logs. Only configured product attributes are sent; adding a private attribute deliberately includes it in provider context. Category and CMS source fields use a fixed allowlist. The client sets store: false; this is not a promise of zero provider retention.

Admin roles

Under System → Permissions → User Roles, grant configuration access and the needed AI features. Product resources: AIContent::generate, AIMeta::generate, AITranslation::translate. Category/CMS resources: each feature module's ::entities permission. All IDs have the KiwiCommerce_ prefix. Native Product, Category, CMS Page or CMS Block permission is also required. Sign in again after changing a role.

Daily content and SEO workflows

1. Prepare saved source information

Open the saved record in the intended store scope. Save any changes that should inform generation first: unsaved form edits are not used as source context. Ensure the source contains sufficient factual information; generation cannot verify or invent missing specifications.

2. Generate content

Expand AI Content Assistant, choose Content, then choose the action. Products support Description, Short Description, rewriting either field, and feature bullets. Categories, Pages and Blocks support Generate Content, Rewrite Content and Generate Bullet Points. Choose tone, language and optional instructions. Rewriting also offers an editing goal.

3. Review the preview

Click Generate Preview. Review claims, wording and HTML source. Preview HTML is displayed as text, not executed. Regenerate repeats the original request, even if selectors have subsequently changed. Cancel discards the preview without changing fields. Each new generation may consume provider usage.

4. Apply and save

Click Use Content and confirm. Standard editors replace the target value; Page Builder appends a Row/Text block. Inspect the actual editor and use Magento Save. Existing-value warnings should be reviewed before confirmation. A disabled Use Content button means a target or safety condition needs attention; see troubleshooting.

SEO Meta

For Products, Categories and CMS Pages, choose SEO Meta and generate Meta Title, Meta Description or Both. Review the plain-text result and character counts. Generate Both makes two API calls; if either fails, no partial result is applied. Confirm Apply and use Magento Save. CMS Blocks do not offer SEO Meta.

CMS changes affect assigned stores

A CMS Page or Block is one shared record, even when assigned to several store views. Applying content or page SEO changes that record for every assigned store after Save. Store assignment does not create independent translations of its fields.

Translation and store views

Choose the source and target

Select Translation, source store view, a different concrete target store view and the desired fields. Concrete stores use their configured locale. All Store Views uses the configured default source language. The generation language selector does not determine translation target language. Empty source fields are skipped.

Record	Translatable fields
Product	Name, description, short description, meta title, meta description
Category	Name, description, meta title, meta description
CMS Page	Title, content heading, content, meta title, meta description
CMS Block	Title, content

Products and Categories

Direct Apply is available only when the target store is the currently loaded form and all target fields allow insertion. Apply clears Use Default Value for supported inherited fields. Product website membership and Category root/store membership are validated. For another target store, keep the preview open, copy the result and open the target record/store in a separate tab.

CMS Pages and Blocks: copy-only

CMS translation deliberately disables Use Content. Create or open a separate CMS record assigned to the intended target store, then paste the reviewed translation into its native fields. Review store assignments and identifiers before saving. The extension does not create or link translated CMS records automatically.

Review and preservation

The preview includes original and translated values. Numbers and URLs are protected with placeholders and checked on restoration; product SKU protection is also supported. Simple HTML structure is checked. Review brand names, technical terms and factual meaning manually. Complex markup and directives must be handled in the native editor; deselect those fields to translate remaining simple fields.

Troubleshooting and maintenance

Symptom	What to check
Panel missing	Saved record, enabled modules/global switch, feature and native ACLs. Clean caches and sign in again.
Connection fails	Save the key first. Check model access, project permissions and provider quota. Test uses saved settings.
Rate limit / quota	Check provider billing and usage. Retry later for temporary rate limits; there are no automatic retries.
Use Content disabled	Target store must be loaded; field must be available and writable. Complex source may need manual editing. CMS translation is always copy-only.
Page Builder not ready	Open Edit with Page Builder, then retry. Review the appended Text block before Save.
Timeout / incomplete result	Try fewer translation fields or shorter source content. Hosting/proxy timeouts may require one field at a time.

Validation evidence and final acceptance

Current evidence: 92 PHP tests / 239 assertions, 17 Admin JavaScript tests, 4 Page Builder contract tests and 37 Chrome/Knockout assertions passed. XML/manifests and DI compilation were checked. Provider calls and browser editors are mocked; no records were saved by these tests.

Before production sign-off, verify Generate → Apply → Save → reload in authenticated Admin for each entity and editor type. Check actual Page Builder rendering, store inheritance, role restrictions and live provider responses. Other Magento versions and Adobe Commerce restricted-admin behavior remain qualification work.

Disable or remove

```
php bin/magento module:disable KiwiCommerce_AIContent \
    KiwiCommerce_AIMeta KiwiCommerce_AITranslation KiwiCommerce_AI
php bin/magento cache:clean
```

For removal, disable modules and remove their source/packages through deployment, then rebuild DI/static assets. Saved content remains. Configuration, including the encrypted key, is not automatically deleted; clear the key before removal if required. No bulk generation, scheduling, automatic publishing or storefront integration is included.