

Magento 2 - Product Attachment

Extension Documentation by KiwiCommerce

Add product manuals, datasheets, warranty documents and other downloadable resources to Magento products. Manage files in the product editor or from a central attachment manager. Control visibility by store view and customer group.

Features

- Multiple attachments on each product, presented as individual admin cards.
- File upload and replacement, title, description, store view, status and display order.
- Customer-group restrictions for both storefront visibility and direct downloads.
- One Product Save action saves all attachment changes in the product editor.
- Global attachment grid with product search, individual editing and mass actions.
- CSV metadata import/export with actual files included in a ZIP package.
- Responsive storefront presentation compatible with Luma and Hyvä.
- Private file storage, file validation and role-based admin permissions.

Requirements and compatibility

The module targets Magento 2.4.4 through 2.4.x, using the PHP version supported by the installed Magento release. Its package permits PHP 8.1–8.4 and requires the PHP fileinfo and zip extensions.

Verified in the supplied Magento Open Source 2.4.7-p4 installation. Other Magento/PHP combinations and Adobe Commerce require staging verification; they have not all been individually certified. No KiwiCommerce Core or Hyvä package dependency is required.

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Installation and Upgrades

Magento 2 Product Attachment

1. Copy the module

Extract the extension into the Magento installation, preserving this directory:

```
app/code/KiwiCommerce/ProductAttachment
```

Back up the database and private attachment files before deployment. Run Magento commands from the Magento root as the appropriate filesystem owner, using the PHP executable supported by your Magento version.

2. Enable and install

```
php bin/magento module:enable KiwiCommerce_ProductAttachment
php bin/magento setup:upgrade
php bin/magento cache:clean config layout block_html full_page
```

3. Build production assets

Use these commands as part of your normal production deployment process. Replace en_US with the locales required by your admin and storefront themes.

```
php bin/magento setup:di:compile
php bin/magento setup:static-content:deploy en_US
php bin/magento cache:clean config layout block_html full_page
```

4. Verify installation

- Confirm the module is enabled with `php bin/magento module:status KiwiCommerce_ProductAttachment`.
- Open **KiwiCommerce > Product Attachment** and confirm the global manager loads.
- Open a product in **Catalog > Products** and expand **Product Attachments**.
- Open **Stores > Configuration > KiwiCommerce > Product Attachment**.
- Review admin role permissions if any menu, form or button is missing.

Upgrading an existing installation

Replace the module files with the complete new release, run `setup:upgrade` and rebuild generated code/static assets according to your deployment mode. Preserve the attachment table and private file directory. Customer-group support adds a database column, so copying code alone is insufficient when upgrading from an older release.

Configuration

Stores > Configuration > KiwiCommerce > Product Attachment

Settings support Magento's default, website and store-view scopes. Select the intended scope before changing values; use the normal inheritance controls when overriding a setting.

General

Setting	Default / purpose
Enabled	Yes. Controls frontend attachments and customer downloads. Admin management stays available.
Display on Product Page	Yes. Shows the attachment section. Turning this off alone does not disable otherwise permitted download URLs.
Product Page Position	After product details by default; product summary is also available. Actual placement depends on theme containers.
Section Title	Product Attachments. Change the customer-facing heading.

File Upload

Setting	Default / purpose
Allowed File Extensions	pdf, doc, docx, xls, xlsx, ppt, pptx, txt, csv, zip. Extensions must also pass the module's MIME validation.
Maximum File Size (MB)	20 MB. The module ceiling is 100 MB per attachment; PHP and web-server limits may be lower.
Upload Directory	kiwicommerce/productattachment, relative to private var storage. Existing records retain their stored paths.

Frontend

Setting	Default / purpose
Display File Size	Yes. Shows the human-readable file size.
Display File Type	Yes. Shows the file type, such as PDF.
Open Attachments in New Tab	No. If enabled, the link opens a new tab; the response remains a download.
Show Attachment Description	Yes. Shows escaped plain-text descriptions.
Enable Download	Yes. Controls customer download links and access through their endpoint.

Save configuration and refresh the relevant caches when prompted. Upload validation uses the selected attachment store view; All Store Views uses default upload settings.

Product Attachment Cards

Catalog > Products > Edit Product > Product Attachments

Add one or more files

1. Expand **Product Attachments** and click **Add Attachment**.
2. Click **Upload** in the new card and select a permitted file.
3. Wait for the upload to finish. The title is initially filled from the filename; edit it as needed.
4. Enter an optional description and choose store view, customer groups, enabled status and order.
5. Repeat **Add Attachment** for additional files.
6. Click the main **Product Save** button once to save all attachment changes with the product.

There is no separate attachment Save button inside the product editor. Uploading stages the file; Product Save commits its association. Leaving the page without saving does not attach a newly uploaded file. Active uploads block Product Save until they finish.

Card fields

Field	How to use it
File	Upload a new file or replace the existing file. Existing files offer an admin Download link.
Title	Required customer-facing attachment name. Maximum 255 characters.
Description	Optional plain text. Line breaks are supported; HTML is not rendered.
Store View	All Store Views or one specific store view.
Enabled	Yes shows an otherwise eligible attachment; No hides it and denies customer download.
Order	Integer display priority. Lower values appear first.
Customer Groups	All groups by default, or selected groups only.
Remove icon	Marks the attachment for removal when the product is saved.

Replace or remove an attachment

To replace a file, click Upload in its existing card, select the replacement and save the product. To remove an attachment, click its Remove icon and save the product. Physical files are removed only when they are no longer referenced and the relevant database transaction has committed.

New products can have attachments before their first save. Pending uploads expire after one hour and are limited to 20 per admin session. Save a batch before uploading more files.

Customer Groups and Store Views

Per-attachment audience controls

Restrict an attachment by customer group

1. Open the attachment card or its standalone edit form.
2. In **Customer Groups**, remove **All Customer Groups** before choosing specific groups.
3. Select one or more permitted groups from the searchable dropdown.
4. Save the product, or use Save Attachment in the standalone form.
5. Check the storefront using a guest browser and an account in the selected group.

Selection	Who can see and download the attachment
All Customer Groups	Everyone, including guests and groups created later.
NOT LOGGED IN	Guests only.
General	Customers assigned to General, assuming that group exists in the store.
Wholesale and Retailer	Members of either selected group.

Existing attachments default to All Customer Groups. If All Customer Groups remains selected alongside individual groups, access remains public. An empty selection is not a valid restriction: choose at least one group.

The frontend list follows Magento's customer-group HTTP context. The download endpoint separately checks the current customer session group, so a copied restricted download URL does not grant access. Authorized admin downloads remain available for management.

Store-view visibility

- **All Store Views** applies across applicable stores.
- A specific store view adds the attachment only to that store.
- Store-specific and global attachments can appear together; store-specific entries do not automatically replace global entries.
- Store, group, enabled status and download configuration checks work together.

Product associations

Attachments belong to a product ID. Simple, configurable, virtual, downloadable, grouped and bundle products use the same association. Selecting a configurable option does not automatically switch the parent product's attachments to the child product's files.

Global Attachment Manager

KiwiCommerce > Product Attachment

Manage attachments across products

The global grid is useful for finding and managing attachments throughout the catalog. Its filtering and mass actions are separate from the cards in an individual product editor.

1. Open the manager and click **Add Attachment**.
2. Search for the product by name or SKU using at least two characters.
3. Select the product, enter a title and optional description, and upload a file.
4. Set store view, customer groups, enabled status and sort order.
5. Use **Save Attachment**, or **Save & Add Another** to prepare another attachment for the same product.

The separate Save Attachment action applies to this standalone form only. In the product editor, use the main Product Save action.

Edit, replace and delete

Use a row's action menu to edit an attachment. Upload a replacement only when changing the file; metadata-only changes keep the existing file. Use the grid's available mass actions to enable, disable or delete selected attachments. Confirm the selected scope before applying a mass action.

Admin permissions

Configure roles under **System > Permissions > User Roles**.

Permission	Grants access to
View and Download Attachments	Attachment viewing and authenticated admin downloads.
Create and Upload Attachments	New attachments and file uploads.
Edit Attachments	Editing records and replacing files.
Delete Attachments	Attachment deletion.
Import and Export Attachments	Transfer controls; import also requires Create, export also requires View.
Product Attachment Configuration	The configuration section under Stores.

Role users also need Magento's product permissions to work inside product edit pages. Sign out and sign in again after role changes if the menu or actions do not refresh.

CSV Import and Export

CSV metadata + actual attachment files in one ZIP

Export

Open **Import / Export Attachments** above the global grid and click **Export CSV + Files (ZIP)**. Export includes attachments across products, including disabled records and all store views. Grid filters and selections do not narrow this export.

```
product-attachments.zip
  attachments.csv
  files/
    12.pdf
    13.txt
```

The export uses attachment-based filenames inside files/. The CSV's file column links each row to its file; original_file_name retains the customer-facing filename.

CSV columns

Column	Value
sku	Existing destination product SKU. Keep leading zeroes by importing it as text in spreadsheet software.
store_code	* for All Store Views, otherwise an existing store-view code.
title	Required attachment title.
description	Plain text; may be empty or contain quoted line breaks.
original_file_name	Original filename, including its permitted extension.
status	1 for enabled; 0 for disabled.
sort_order	Integer display order.
file	Matching archive path, for example files/12.pdf.
customer_groups	* for all; 0 for guests; quoted comma-separated group IDs, for example "1,2".

Use UTF-8 and comma separators. Export includes a UTF-8 BOM for spreadsheet compatibility. Quote cells containing commas, quotes or newlines. Headers may be reordered, but must occur once. Older CSV packages without customer_groups are accepted with all-group access.

Group IDs must exist in the destination installation. Check their meaning when moving packages between stores: the same numeric ID can represent a different group elsewhere.

Import Workflow and Limits

Prepare the package before importing

Import a CSV package

1. Export a package as a starting point, or create attachments.csv using the documented columns.
2. Edit the CSV and include every referenced file in its files/ directory. Keep filenames and paths consistent.
3. Zip attachments.csv and files/ directly at the archive root. Do not add a wrapping folder, hidden metadata files or explicit directory entries.
4. Open **Import / Export Attachments**, choose the ZIP and click **Import CSV + Files (ZIP)**.
5. Check the success message and imported records, then verify storefront visibility and downloads.

A bare CSV cannot carry the actual PDF/documents. The upload is therefore ZIP, with CSV metadata inside; JSON is not used. Earlier JSON packages require conversion to the CSV columns before import.

A predictable ZIP command

Run this from the folder containing attachments.csv and files/. Listing files directly avoids extra directory entries:

```
zip product-attachments.zip attachments.csv files/*
```

Use only the intended attachment files. Archive entries must use safe paths such as files/manual.pdf; slashes outside files/, traversal paths, spaces in the archive entry basename and unexpected entries are rejected. The original_file_name column may retain a normal filename with spaces.

Import behaviour

Import creates new attachment records. It does not update or replace existing records. Importing the same package twice creates additional attachments. Products must already exist with matching SKUs.

If an item fails validation, the import rolls back its database changes and removes newly written files. No partial set is intended to remain.

Limits and spreadsheet handling

- Maximum 100 attachments per package.
- Maximum 100 MB compressed upload and total uncompressed package content.
- Maximum 2 MB CSV metadata; each file must also meet its store's configured limit.
- PHP upload, POST and web-server request limits may be lower.
- Export prefixes formula-like values with an apostrophe for spreadsheet safety. Import reverses the module's escaping.
- File extension, MIME type, size, store, product and customer-group validity are checked.

Frontend and Hyvä

Display and download behaviour

Customers see eligible attachments with a title, optional description, file type/size and a Download link. If no attachments are eligible, the section is not rendered. Store, customer-group, enabled status and configuration determine eligibility.

Theme compatibility

The storefront uses PHP templates and responsive CSS without frontend JavaScript. It does not require jQuery, RequireJS, Alpine or a Hyvä compatibility module. Admin UI components continue using Magento's native admin framework.

The current build has been checked in the supplied Hyvä environment. Custom themes can override templates or reposition the block; confirm placement in the target theme during staging.

Layout and customization

The block name is **product.attachments**. The default position follows product details where the theme layout allows. Product summary uses product.info.additional when present, otherwise product.info.main.

```
view/frontend/layout/catalog_product_view.xml
view/frontend/templates/product/attachments.phtml
view/frontend/web/css/attachments-standard.css
```

Use theme overrides for storefront customization. When moving the block through custom layout XML, retain the default configuration position to avoid a second configuration-driven move.

Download protection and storage

Files reside in private **var/kiwicommerce/productattachment/** storage with randomized internal filenames. Do not treat this directory as disposable cache. Include it with database backups and share it across application nodes where required.

Customer downloads use the attachment ID, not a submitted filesystem path. The endpoint checks customer group, attachment status/store, download configuration, product status/visibility and website assignment. Ineligible or missing downloads return Magento's not-found response.

Downloads use an attachment response rather than inline PDF preview. The New Tab option changes the link target, not the file response type. Product cache tags are invalidated after attachment changes; the block does not disable full-page cache.

Troubleshooting and Maintenance

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Common issues

Issue	Check
Menu or product section missing	Module status, setup:upgrade, role permissions, configuration/layout cache, then sign out/in.
Upload fails	Allowed extension and MIME, selected store's file size, PHP upload_max_filesize/post_max_size, proxy limits and directory permissions.
Upload expired	Upload again and save within one hour. Save batches before exceeding 20 pending uploads.
Attachment not visible	Enabled/display settings, store view, selected customer groups and storefront layout.
Download returns 404	Group eligibility, product status/visibility/website, attachment status/store, Enable Download and file existence.
Import rejected	CSV headers, matching SKU/store/group IDs, file paths, extra ZIP entries and size/count limits.
Old layout after an update	Deploy the relevant static assets and clean layout/block caches; reload the browser.
Files missing after deployment	Restore/preserve private attachment storage along with the database records.

Cleanup

Report orphan attachment records and unreferenced files older than 24 hours:

```
php bin/magento kiwicommerce:attachments:cleanup
```

After reviewing the dry-run output, explicitly remove the reported items:

```
php bin/magento kiwicommerce:attachments:cleanup --delete
```

Run cleanup when no uploads or imports are active. No automated cleanup cron is installed. Review `var/log/system.log` and `var/log/exception.log` for failures.

Disable or remove

Disable with `php bin/magento module:disable KiwiCommerce_ProductAttachment`, then clean configuration/layout caches. There is no destructive uninstall handler. Back up the attachment table and private files before removing code; permanent data removal is a separate deliberate operation.

Support and license

When requesting support, include module/Magento/PHP/theme versions, reproduction steps and relevant logs with secrets removed. See `README.md` for developer checks and `VALIDATION.md` for test coverage. The module declares a proprietary license; Copyright KiwiCommerce. All rights reserved.