

Amazon AWS S3 CDN media server cloud

PrestaShop module

Compatibility

PrestaShop 1.7 - 9.x

Goal

Amazon AWS S3 CDN media server is PrestaShop module of PrestaShop which speeds up your online store by transferring most of your store files to CDN and keep loading them from Amazon AWS S3 cloud. Module replaces standard media server and provides much more flexible system of settings and file control.

Benefits for Merchants

- admin can determine which files need to be placed in the cloud: by category (theme, modules, etc), by type, by extension;
- finely manage files that need to be loaded from server or cloud;
- admin can upload any file from cloud back to the server if necessary;
- admin can use AWS S3 Bucket or AWS Cloud Form;
- use for FRONT-END files only without any risks for back-end functionality;
- budget-reduction for store comparatively with regular hosting, high scalability, security and durability of AWS.

Benefits for customers

- customer will get parallel content loading streams while opening the site, so the speed will be higher comparatively with pure hosting-located files of the site;
- security and accessibility of files, located on AWS – content will be available 100% of time even if hosting could not respond due to high load, etc;
- speed of store loading is the benefit for any customer.

Features

- admin can upload all or selected files to AWS cloud. It's possible to determine which files need to be uploaded there (by extension or type, etc). Admin is allowed to upload theme files to cloud, but keep modules files on hosting, so the settings are very flexible;
- admin can return any selected file from cloud so that this file will be loaded from hosting. It's possible to get this file back to cloud anytime;
- files source links in HTML code will be automatically updated according to location of the files: cloud or own hosting. In case admin changes settings (replaces source from cloud to hosting or vice versa), source links will be updated accordingly, so no broken images, links, etc. will occur;

Module settings

1. "Configuration" tab

The screenshot shows the PrestaShop administration interface. The top navigation bar includes the PrestaShop logo, version 9.0.0, a Quick Access dropdown, and a search bar. The left sidebar contains a navigation menu with sections: WELCOME (Dashboard, Care Center), SELL (Orders, Catalog, Customers, Customer Service, Stats), and IMPROVE (Modules, Design). The main content area is titled 'Configure' for the 'Amazon AWS S3 CDN cloud media server' module. It features three tabs: 'General', 'Configuration' (which is active), and 'Cron jobs'. The 'Configuration' tab contains several input fields: 'Bucket name' (awsp1789), 'Access key' (AKIAUZF3WR2MP7HQK), 'Secret key' (masked with dots), and 'Location' (Europe (Frankfurt)). There is also a 'Use Cloudfront' section with radio buttons for 'Yes' and 'No' (selected). A 'Test link to AWS' button is located at the bottom right of the configuration area.

- **Bucket name** – your Bucket name of Amazon S3 service
- **Access key** – access key of your Amazon account
- **Secret key** – secret key of your Amazon account
- **Location** – AWS server location
- **Use Cloudfront** – (Yes/No) use Cloudfront. All links to files in Bucket will go through Cloudfront then
- **Cloudfront ID** – your Cloudfront ID
- **Button Test link to AWS** – button to validate data and test AWS connection

Selecting files to upload to AWS and use on the site:

This screenshot shows the same PrestaShop interface as the previous one, but with the 'Synchronize' options expanded. A 'Test link to AWS' button is visible at the top right. The 'Synchronize Images' section has three radio buttons: 'Custom select' (selected), 'Check all', and 'Uncheck all'. Below are checkboxes for 'Product Images', 'Category Images', 'Manufacturer Images', and 'Modules Images', all of which are checked. For each checked item, there are two radio buttons: 'Yes' (selected) and 'No'. The 'Yes' options include the text 'Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud'. The 'Synchronize CSS' section has radio buttons for 'Custom select' (selected), 'Check all', and 'Uncheck all', and checkboxes for 'Main Files CSS', 'Theme Files CSS', 'Modules Files CSS', and 'Other Folders CSS', all checked. The 'Synchronize JS' section has radio buttons for 'Custom select' (selected), 'Check all', and 'Uncheck all', and checkboxes for 'Main Files JS', 'Theme Files JS', 'Modules Files JS', and 'Other Folders JS', all checked.

- **Synchronize Images** – upload style files to AWS
 - **Product Images** – all product images
 - **Category Images** – all category images
 - **Manufacturer Images** – images (logos) of manufacturers
 - **Modules Images** – images of modules on the site (sliders, banners, etc.) *
- **Synchronize CSS** – upload style files to AWS
 - **Main Files CSS** – core files (located in /js)
 - **Theme Files CSS** – your Theme Files
 - **Modules Files CSS** - files of your modules
- **Synchronize JS** – upload JavaScript files to AWS:
 - Main Files JS – main files (located in /js)
 - Theme Files JS – your theme JS files
 - Modules Files JS – JS files for your modules

New uploaded files management:

Synchronize Images: Custom select Check all Uncheck all

Product Images
 Yes Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud

Category Images
 No Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud

Manufacturer Images
 No Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud

Modules Images
 Other Folders Images

Added a switcher to automatically delete new files from the Prestashop server after uploading to Amazon AWS S3 for images of:

- Products
- Categories
- Manufacturers

2. “General” tab

The screenshot shows the PrestaShop 9.0.0 Admin interface. The main content area is titled 'Configure' for 'Amazon AWS S3 CDN cloud media server'. There are three tabs: 'General', 'Configuration', and 'Cron jobs'. The 'General' tab is selected and contains three buttons: 'Upload NEW files to AWS' (black), 'Upload UPDATED files to AWS' (grey), and 'DELETE files from AWS' (red). Below these buttons is a table titled 'Files uploaded to AWS' with the following columns: Files site, Prestashop, Type, Category, Date upload, and Date edit. The table contains three rows of data:

Files site	Prestashop	Type	Category	Date upload	Date edit
<input type="checkbox"/> themes/hummingbird/assets/cache/bottom-27dae823.js	Yes	js	theme	04/29/2026	04/29/2026
<input type="checkbox"/> themes/hummingbird/assets/cache/theme-9d967224.css	Yes	css	theme	04/29/2026	04/29/2026
<input type="checkbox"/> themes/hummingbird/assets/cache/bottom-1f5cb323.js	Yes	js	theme	04/29/2026	04/29/2026

Buttons functionality:

- **Upload NEW files to AWS** – upload all files that match the settings on the Configuration tab

- **Upload UPDATED files to AWS** – upload only files that have been created and/or modified
- **DELETE files from AWS** – clear the entire cloud

Files table taking into account the specified settings:

Files uploaded to AWS							
Files site ▼▲	Prestashop ▼▲	Type ▼▲	Category ▼▲	Date upload ▼▲	Date edit ▼▲		
--	--	--	--	--	--	--	
<input type="checkbox"/>	themes/hummingbird/assets/cache/bottom-27d6e823.js	Yes	js	theme	04/29/2026	04/29/2026	<input type="checkbox"/>

- **Files site** - path to file from the root of the site
- **Prestashop** - whether the file is physically present on the Prestashop server
- **Type** - file type (image, css, js)
- **Category** - category of the file (product, category, manufacturer, modules, theme, main)
- **Date upload** - date the file was uploaded to AWS server
- **Date edit** - date the file was modified on server

File management buttons: delete file from AWS server

Files uploaded to AWS							
Files site ▼▲	Prestashop ▼▲	Type ▼▲	Category ▼▲	Date upload ▼▲	Date edit ▼▲		
--	--	--	--	--	--	--	
<input type="checkbox"/>	themes/hummingbird/assets/cache/bottom-27d6e823.js	Yes	js	theme	04/29/2026	04/29/2026	<input type="checkbox"/>
<input type="checkbox"/>	themes/hummingbird/assets/cache/theme-9dd67224.css	Yes	css	theme	04/29/2026	04/29/2026	<input type="checkbox"/>
<input type="checkbox"/>	themes/hummingbird/assets/cache/bottom-1f5cb323.js	Yes	js	theme	04/29/2026	04/29/2026	<input type="checkbox"/>
<input type="checkbox"/>	themes/hummingbird/assets/cache/bottom-553bb323.js	Yes	js	theme	04/29/2026	04/29/2026	<input type="checkbox"/>

Advanced settings in Configuration:

Configure
Amazon AWS S3 CDN cloud media server

Modules Files CSS
 Other Folders CSS

Synchronize JS: Custom select Check all Uncheck all

Main Files JS
 Theme Files JS
 Modules Files JS
 Other Folders JS

Advanced settings ▼

Developer tools

File extensions Images:

File extensions CSS:

File extensions JS:

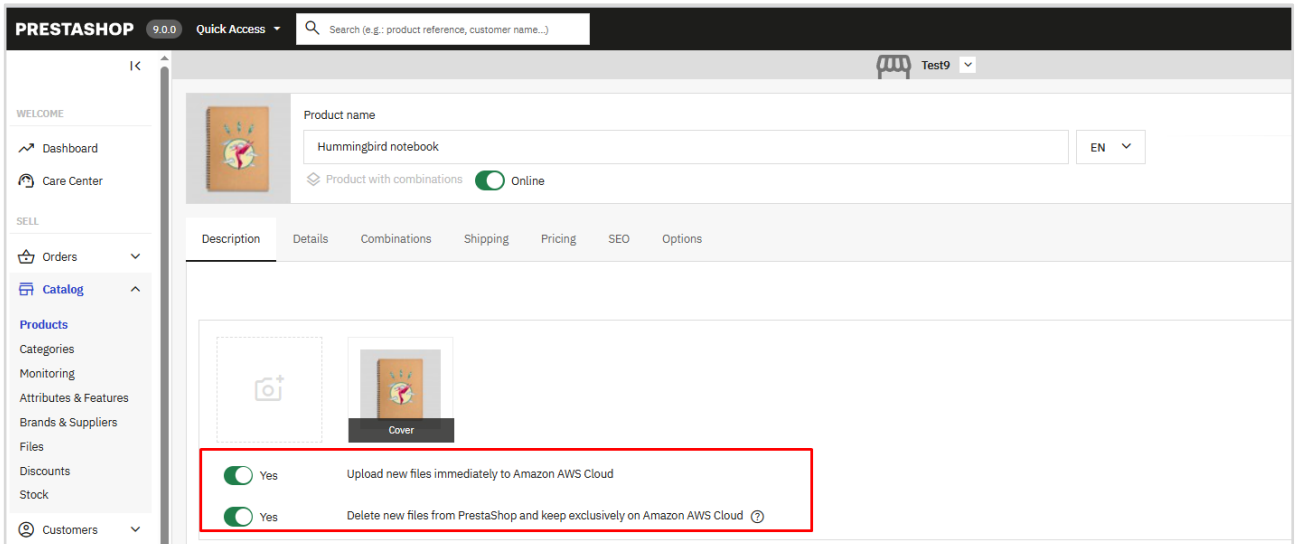
Save changes

Output hook position

Module is last in hook actionOutputHTMLBefore.

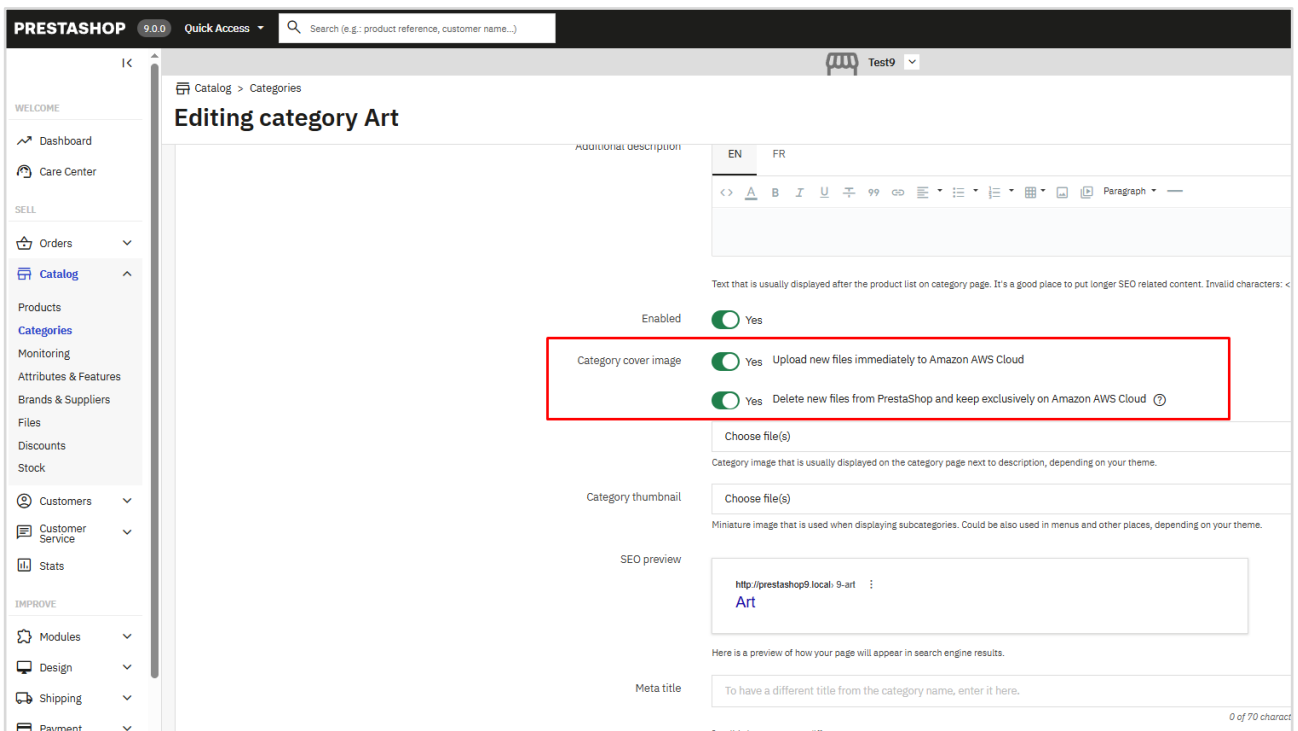
You can change or add file extensions that will be uploaded to the AWS server.
Output hook position – the module checks if it is in the last position in the queue.

3. Product page:



- **Upload new files immediately to Amazon AWS Cloud** – upload picture immediately to AWS
- **Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud** – delete image from PrestaShop server after upload to AWS S3

4. Category page



- **Upload new files immediately to Amazon AWS Cloud** – upload picture immediately to AWS
- **Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud** – remove image from PrestaShop server after upload to AWS S3

5. Brand page

PRESTASHOP 9.0.0 Quick Access Search (e.g., product reference, customer name...)

Brands & Suppliers > Brands

Editing brand Studio Design

Brands Suppliers

Description

EN FR

Studio Design offers a range of items from ready-to-wear collections to contemporary objects. The brand has been presenting new 2012.

Logo Yes Upload new files immediately to Amazon AWS Cloud

Yes Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud

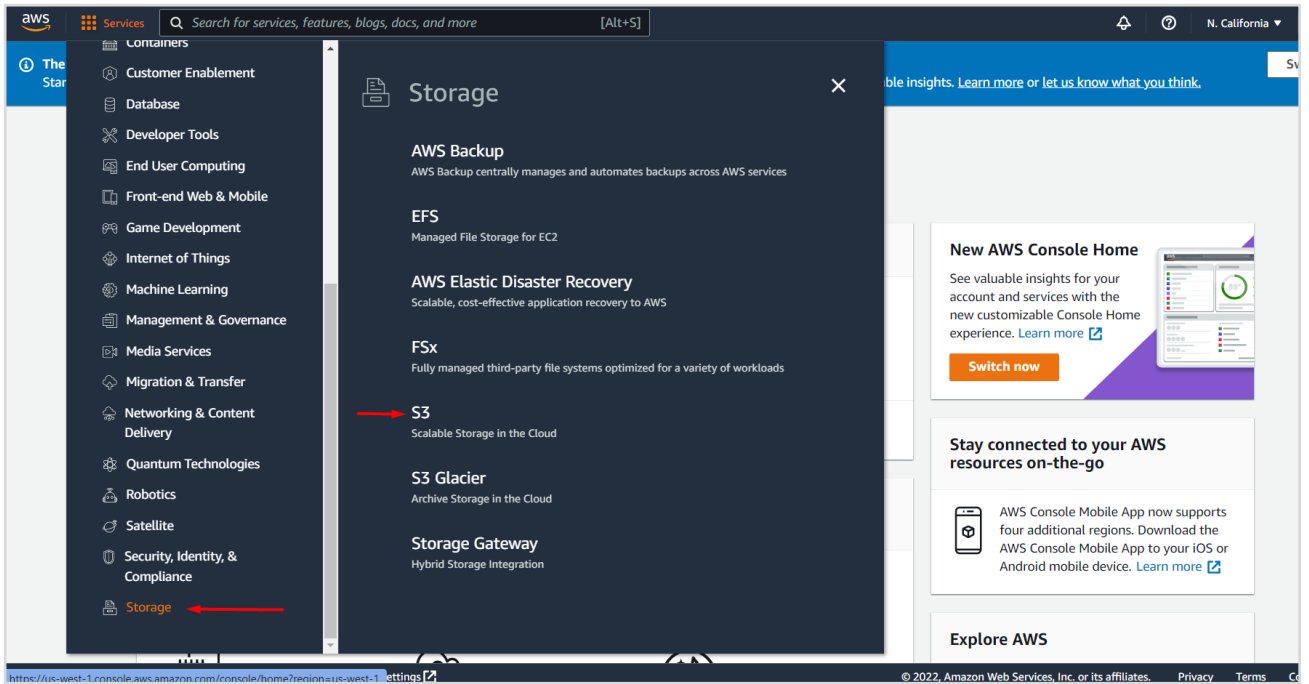
Choose file(s)

- **Upload new files immediately to Amazon AWS Cloud** – upload picture immediately to AWS
- **Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud** – remove image from PrestaShop server after upload to AWS S3

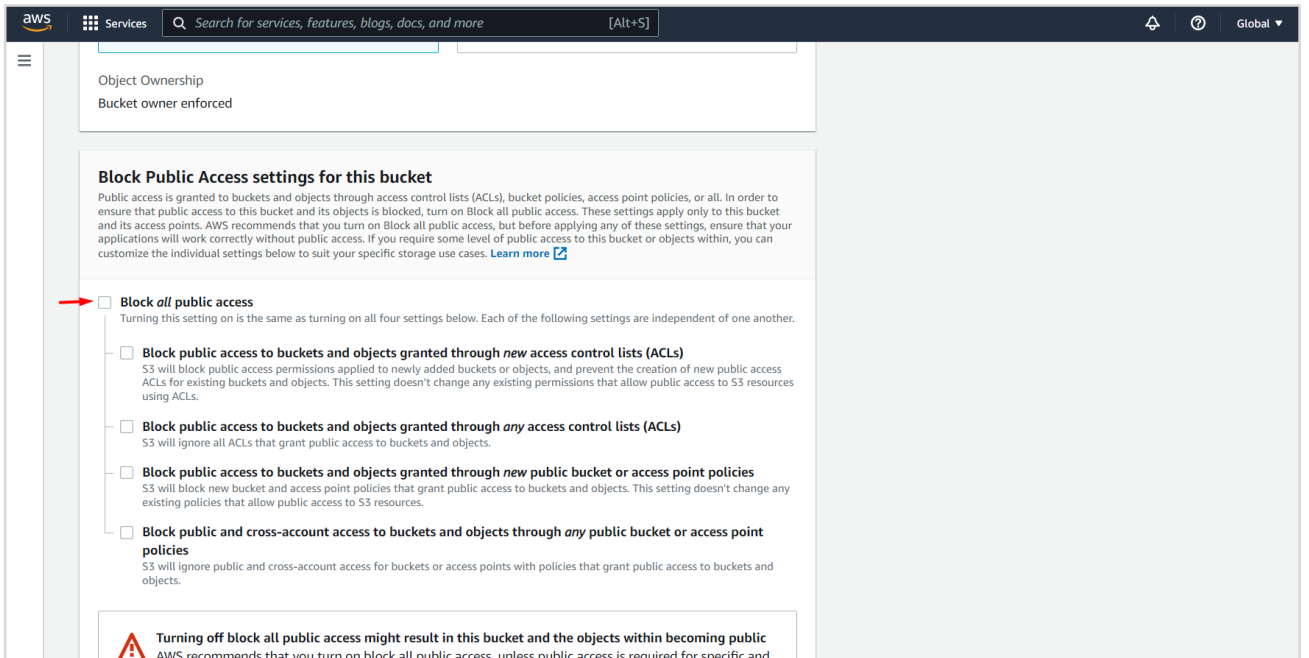
Attention! Keep in mind that if you select the 'Yes' option, all new media files will only be stored in the Amazon AWS Cloud and not on your PrestaShop store hosting! You must be aware of the implications of this setting and the risk of file loss.

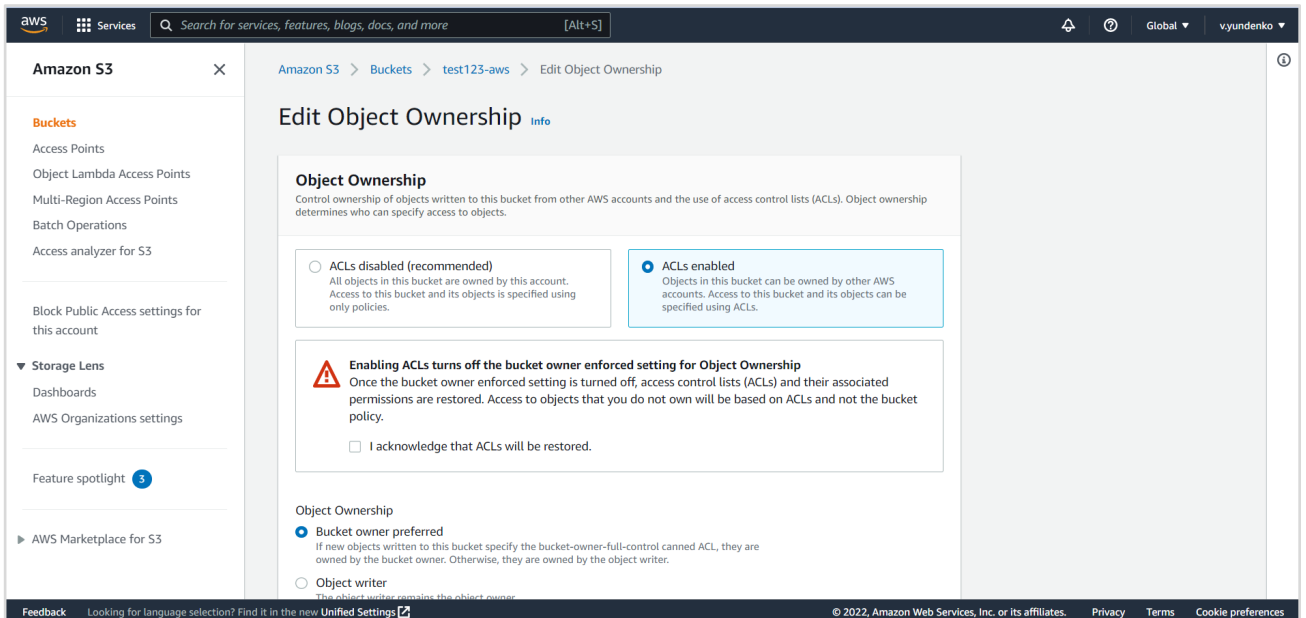
Setting up AWS S3

1. Register at <https://aws.amazon.com/>
2. Go to the console and in the Services menu select Storage-> S3 (<https://s3.console.aws.amazon.com>)

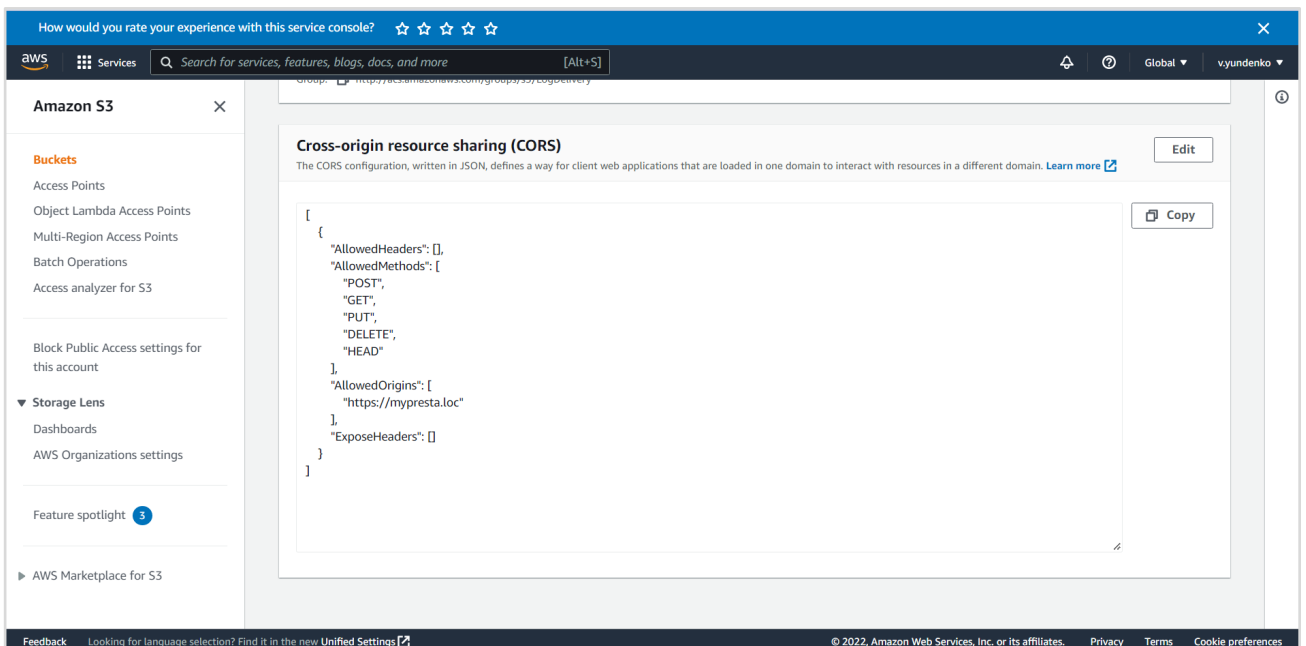


3. Create your Bucket (Create bucket)
4. Be sure to clear the checkbox when creating **Block all public access**





5. After creating a **Bucket**, please open it and go to the tab **Permissions** > section **Cross-origin resource sharing (CORS)**



Click the **Edit** button and set up CORS (JSON format):

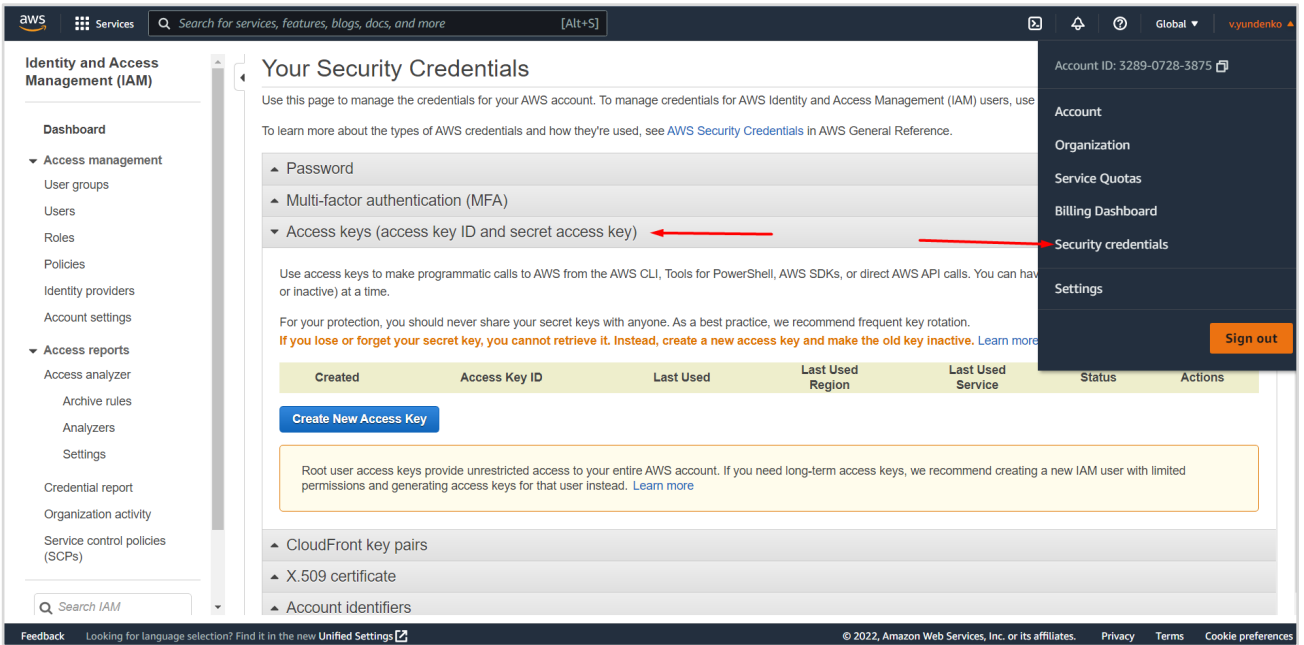
```
[
  {
    "AllowedHeaders": [],
    "AllowedMethods": [
      "POST",
      "GET",
      "PUT",
      "DELETE",
      "HEAD"
    ]
  }
]
```

```

    ],
    "AllowedOrigins": [
      "https://mypresta.loc"
    ],
    "ExposeHeaders": []
  }
]

```

Where **AllowedOrigins** is your site URL.
Obtaining access keys:



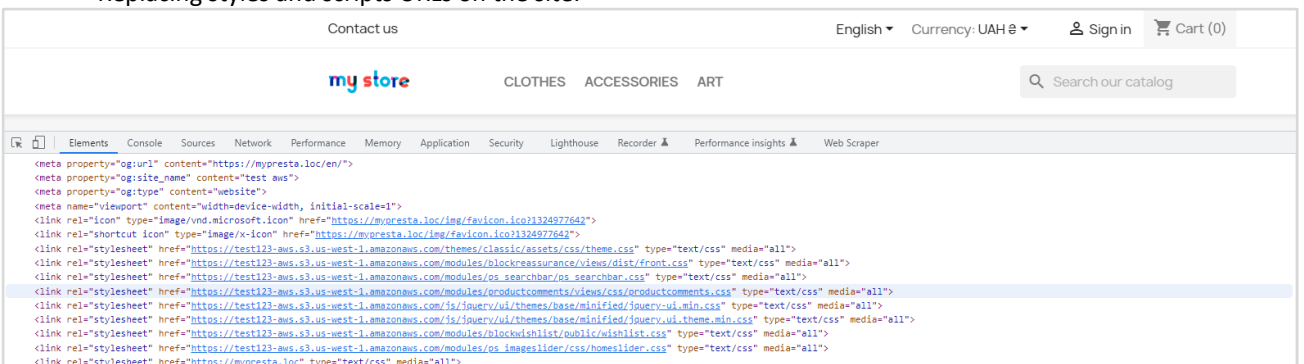
- 1) Go to **Security credentials ->Access Keys**
- 2) Click on **Create New Access Key**
- 3) Modal window will appear with a suggestion to save the key in a CSV file. Keep this file in a safe place. You will find **Access key, Secret key** in the file needed to configure the module.

Installation

- Upload the module through the Backoffice (Modules > Add New Module) or using FTP client
- Hit **Install** it and enter the configuration

Other remarks

Replacing styles and scripts URLs on the site:

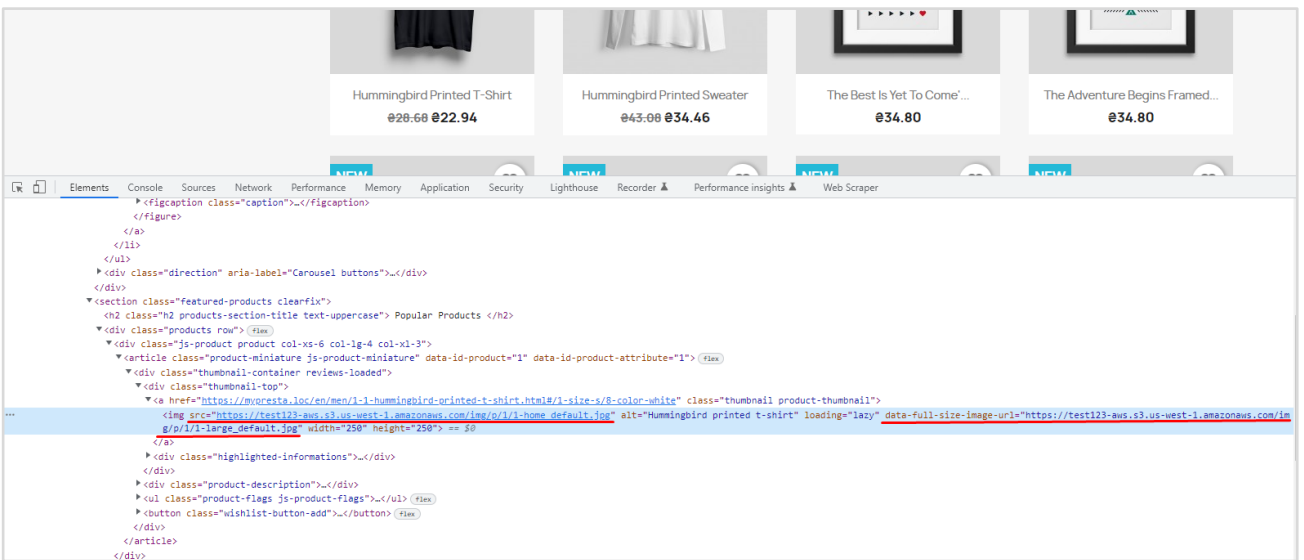


```

<body id="index" class="lang-en country-ua currency-uah layout-full-width page-index tax-display-enabled" style="" -- $0
  <main>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/themes/core.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/themes/classic/assets/js/theme.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/os_emailsubscription/views/js/os_emailsubscription.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/blockreassurance/views/dist/front.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/os_facebook/views/js/front/conversion-aid.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/productcomments/views/js/jquery_rating_plugin.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/productcomments/views/js/productlistingComments.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/js/jquery/ui/jquery-ui.min.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/blockwishlist/public/product_bundle.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/os_imageslider/js/responsiveSlides.min.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/os_imageslider/js/homeslider.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/os_searchbar/os_searchbar.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/os_shoppingcart/os_shoppingcart.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/blockwishlist/public/graphql.js"></script>
    <script type="text/javascript" src="https://test123-aws.s3.us-west-1.amazonaws.com/modules/blockwishlist/public/vendors.js"></script>
    <script type="text/javascript" src="https://myoresta.loc"></script>
    <ul class="ui-autocomplete ui-front ui-menu ui-widget ui-widget-content ui-corner-all searchbar-autocomplete" id="ui-id-1" tabindex="0" style="display: none;"></ul>
  </body>
</html>
html | body#index.lang-en.country-ua.currency-uah.layout-full-width.page-index.tax-display-enabled

```

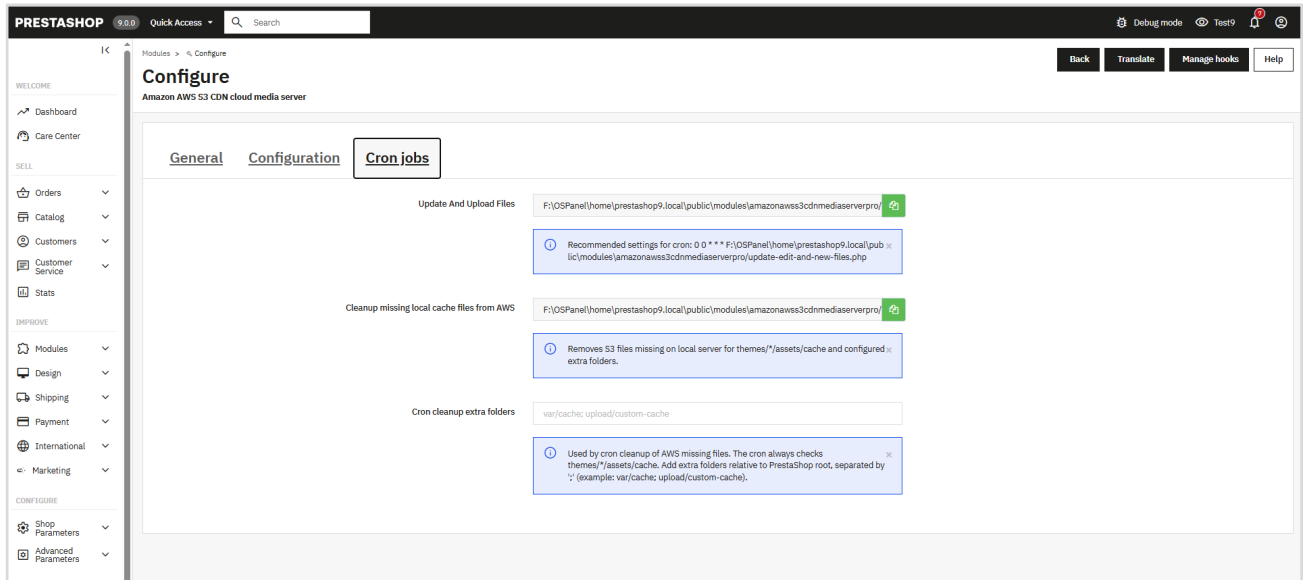
Replacing the url of images on the site:



Attention! Module has console command to push on AWS. You can start updating the modification date of files, searching for new files (according to the module settings) and uploading them to the AWS cloud through the command

line by running the file:
amazonawss3cdnmediaserver/update-edit-and-new-files.php

CRON jobs:



The screenshot shows the Prestashop configuration interface for the Amazon AWS S3 CDN cloud media server. The 'Cron jobs' tab is selected and highlighted with a red box. The configuration is divided into three sections:

- Update And Upload Files:** The path is set to `F:\OSPanel\home\prestashop9.local\public\modules\amazonawss3cdnmediaserverpro`. A tooltip indicates the recommended cron settings: `0 0 * * * F:\OSPanel\home\prestashop9.local\public\modules\amazonawss3cdnmediaserverpro/update-edit-and-new-files.php`.
- Cleanup missing local cache files from AWS:** The path is set to `F:\OSPanel\home\prestashop9.local\public\modules\amazonawss3cdnmediaserverpro`. A tooltip explains: "Removes S3 files missing on local server for themes/'/assets/cache and configured extra folders."
- Cron cleanup extra folders:** The path is set to `var/cache; upload/custom-cache`. A tooltip explains: "Used by cron cleanup of AWS missing files. The cron always checks themes/'/assets/cache. Add extra folders relative to PrestaShop root, separated by ':' (example: var/cache; upload/custom-cache)."

Update And Upload Files – script for updating files on AWS (new and changed)

Cleanup missing local cache files from AWS – cleaning up files on AWS that are no longer used in Prestashop

Cron cleanup extra folders – additional folders to clean up on AWS if files are missing from the Prestashop server

Prestashop Multishop

- Physical URL: supports
- Virtual URL: supports

Each store needs to set its own settings.