

Amazon AWS S3 CDN media server cloud V8

PrestaShop module

Compatibility

PrestaShop 8.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;
- NEW! Option to set an automatic upload of the new images to AWS without duplicating them in PrestaShop.

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;
- NEW! Option to set an automatic upload of the new images to AWS without duplicating them in PrestaShop

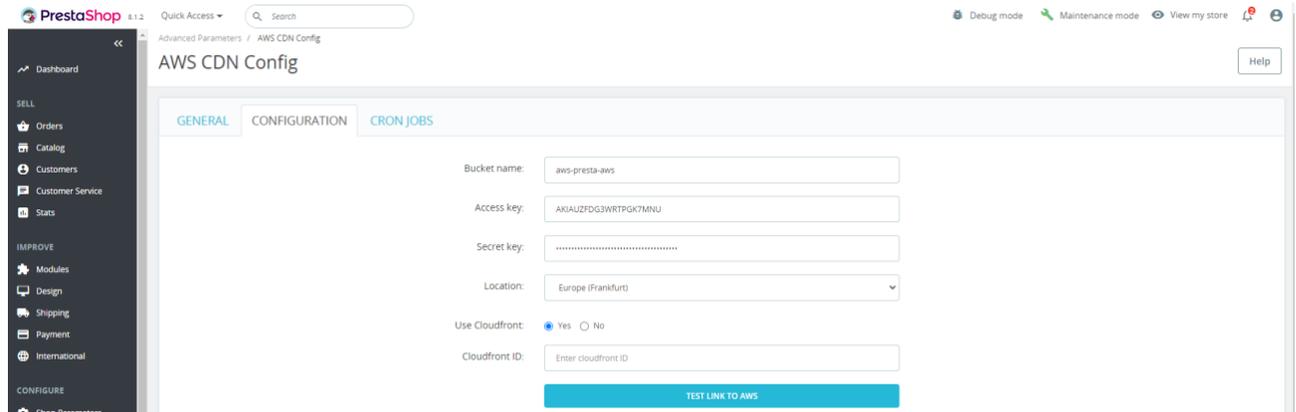
Features

- 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;
- NEW! Option to set an automatic upload of the new images to AWS without duplicating them in PrestaShop.

Module settings

1. "Configuration" tab

Amazon AWS connection settings:



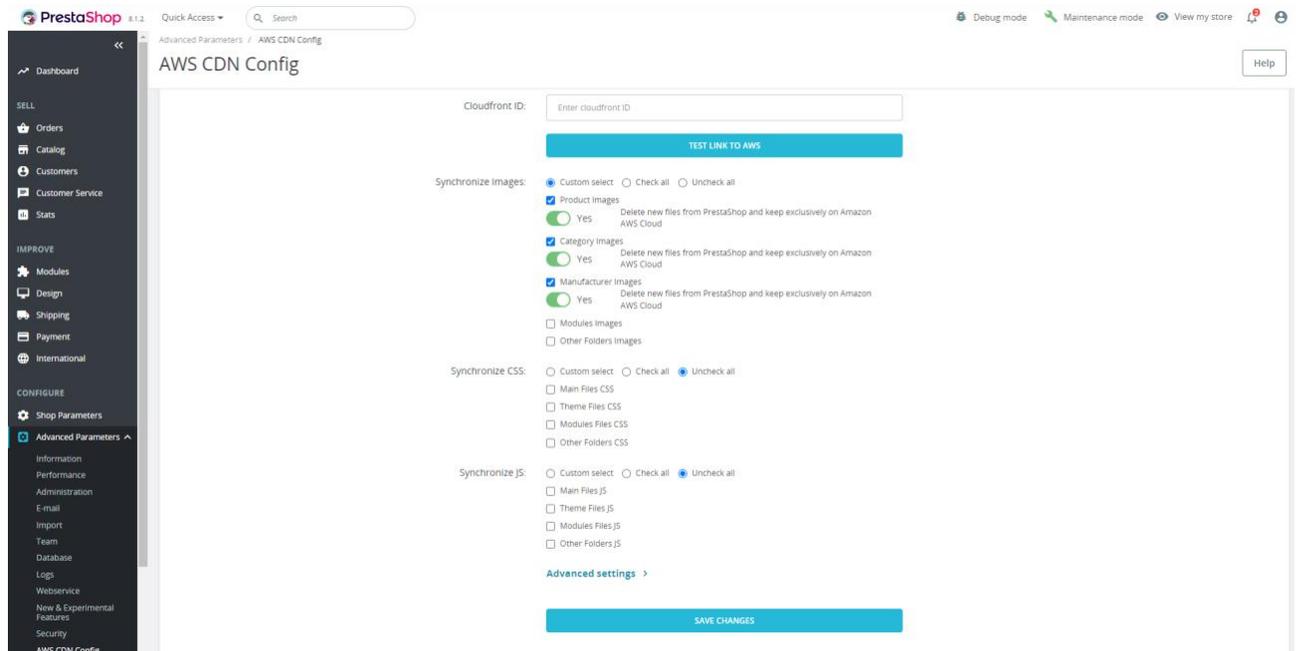
The screenshot shows the PrestaShop administration interface for the AWS CDN Config module. The 'GENERAL' tab is selected, and the following fields are visible:

- Bucket name:
- Access key:
- Secret key:
- Location:
- Use Cloudfront: Yes No
- Cloudfront ID:

A blue button labeled 'TEST LINK TO AWS' is located at the bottom of the form.

- **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:



The screenshot shows the PrestaShop administration interface for the AWS CDN Config module, with the 'CONFIGURATION' tab selected. The 'Cloudfront ID' field is visible at the top. Below it, there are three sections for synchronization settings:

- Synchronize Images:** Custom select Check all Uncheck all
 - Product Images Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud Yes
 - Category Images Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud Yes
 - Manufacturer Images Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud Yes
 - Modules Images
 - Other Folders Images
- Synchronize CSS:** Custom select Check all Uncheck all
 - Main Files CSS
 - Theme Files CSS
 - 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

A blue button labeled 'SAVE CHANGES' is located at the bottom of the form.

- **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** - Файлы ваших модулей
- **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

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

Category Images

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

Manufacturer Images

Yes 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 8.1.2 AWS CDN Config interface. The 'GENERAL' tab is active, displaying a 'Files list' table. Above the table, there are buttons for 'Upload ALL files to S3', 'Upload NEW/EDITED files to S3', 'Update Date Edit', 'Delete inactive files', and 'Clear bucket'. The table lists various image files with columns for Files site, Status site, AWS, Prestashop, Type, Category, Date upload, and Date edit. Each row includes a checkbox and icons for upload, delete, and refresh.

Files site	Status site	AWS	Prestashop	Type	Category	Date upload	Date edit
<input type="checkbox"/> img/m/g-default-large_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023
<input type="checkbox"/> img/m/1-small_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023
<input type="checkbox"/> img/m/f1-default-small_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023
<input type="checkbox"/> img/m/hu-default-small_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023
<input type="checkbox"/> img/m/mk-default-medium_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023
<input type="checkbox"/> img/m/bs-default-large_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023
<input type="checkbox"/> img/m/vro.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023
<input type="checkbox"/> img/m/fb-default-medium_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023
<input type="checkbox"/> img/m/fa-default-medium_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023

Buttons functionality:

- **Upload files to S3** – upload all files that match the settings on the Configuration tab
- **Upload new/edit files** – upload only files that have been created and/or modified
- **Update Date Edit** – check and show modification date of files to control what and where was edited/created on server
- **Delete inactive files** – delete deactivated files from the cloud
- **Clear bucket** – clear the entire cloud

Files table taking into account the specified settings:

The screenshot shows the PrestaShop AWS CDN Config interface. At the top, there are navigation tabs: GENERAL, CONFIGURATION, and CRON JOBS. Below these are five buttons: Upload ALL files to S3, Upload NEW/EDITED files to S3, Update Date Edit, Delete inactive files, and Clear bucket. The main area is a 'Files list' table with the following columns: Files site, Status, AWS, Prestashop, Type, Category, Date upload, and Date edit. The table contains several rows of files, each with a checkbox and a set of management icons (upload, delete, edit, etc.).

Files site	Status	AWS	Prestashop	Type	Category	Date upload	Date edit	
img/m/gi-default-large_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023	[Icons]
img/m/1-small_default.jpg	Yes	Yes	No	image	manufacturers	10/05/2023	03/31/2023	[Icons]
img/m/ri-default-small_default.jpg	No	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023	[Icons]
img/m/hu-default-small_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023	[Icons]
img/m/mik-default-medium_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023	[Icons]
img/m/bs-default-large_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023	[Icons]
img/m/ro.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023	[Icons]
img/m/ri-default-medium_default.jpg	Yes	Yes	Yes	image	manufacturers	10/05/2023	03/31/2023	[Icons]

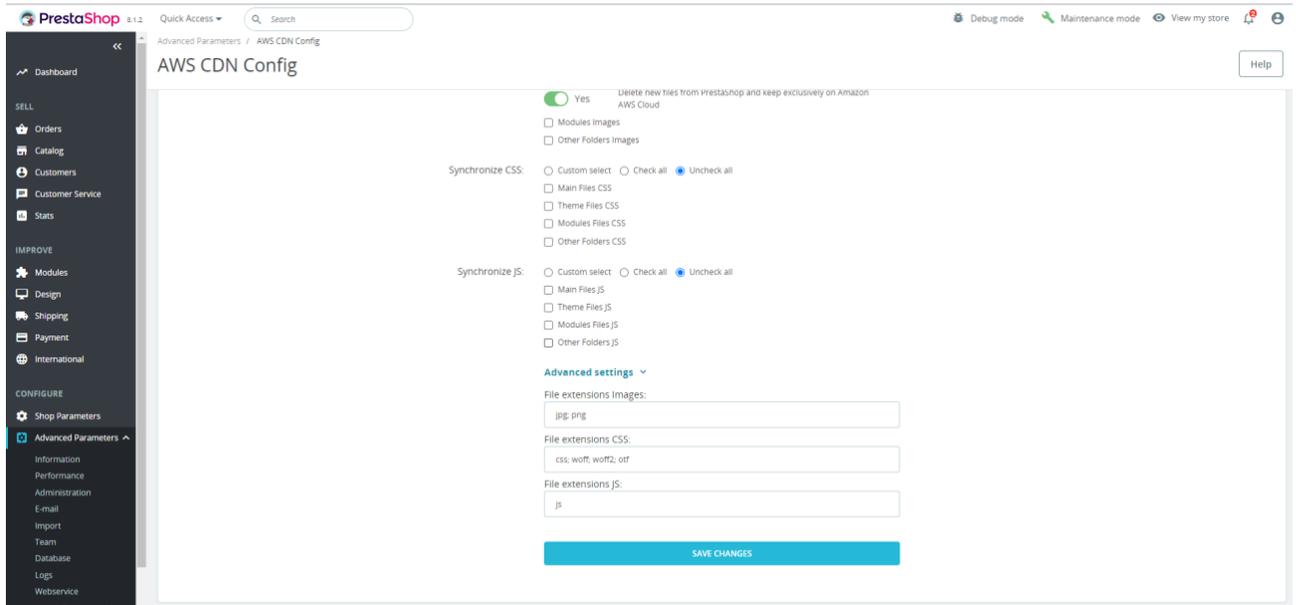
- **Files site** - path to file from the root of the site
- **AWS** - (YES/NO) whether AWS is used to load the file
- **Type** - file type (image, css, js)
- **Category** - category of the file (product, category, manufacturer, modules, theme, main)
- **Date upload** - date the file was uploaded to AWS server
- **Date edit** - date the file was modified on server
- **Prestashop** - whether the file is physically present on the Prestashop server

File management buttons:

This screenshot is identical to the previous one, but with a red rectangular box highlighting the management icons for the file 'img/m/ri-default-small_default.jpg'. The icons include a plus sign, a cloud with an arrow, a trash can, a document with a pencil, and a document with an 'x'.

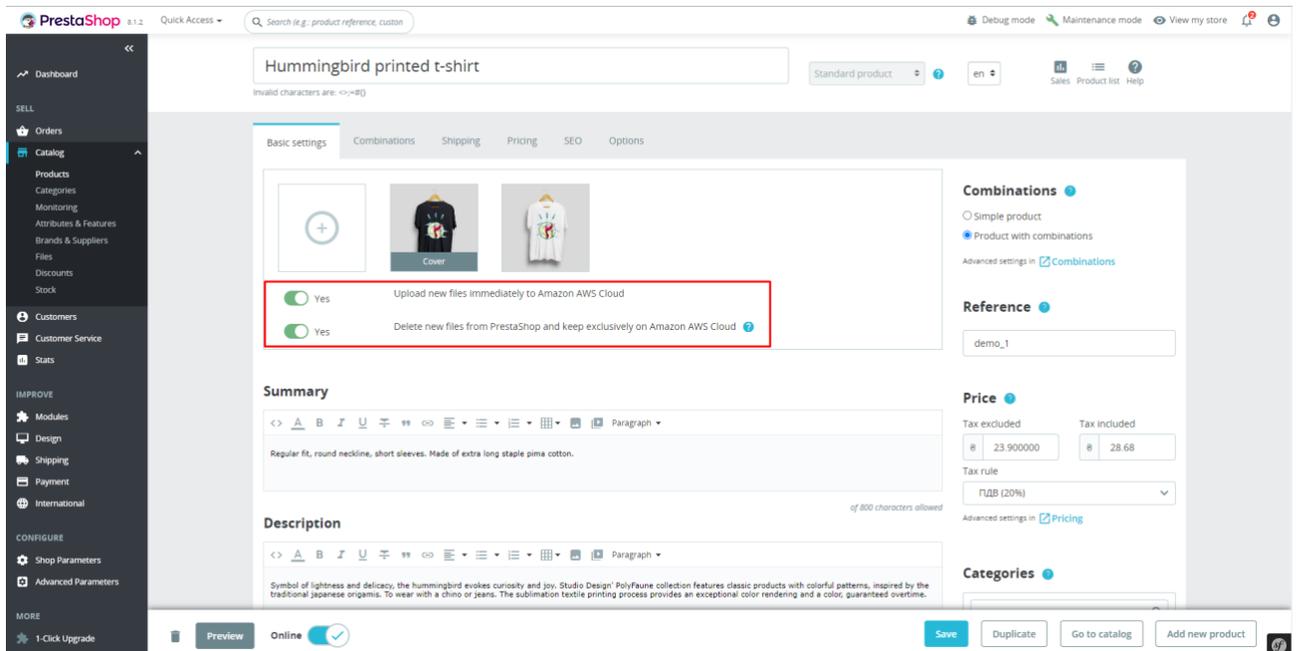
-  upload file to AWS
-  uploading file to server from AWS
-  deactivate file
-  activate file
-  delete file from Prestashop server

Advanced settings in Configuration:



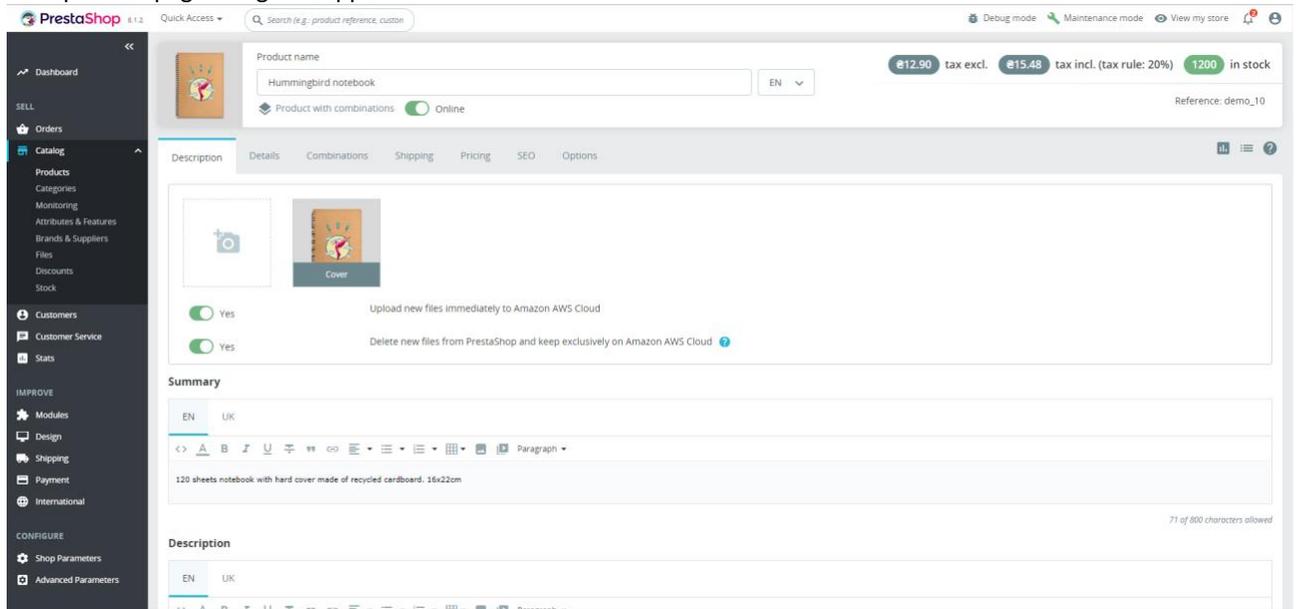
You can change or add file extensions that will be uploaded to the AWS server.

3. Product page:

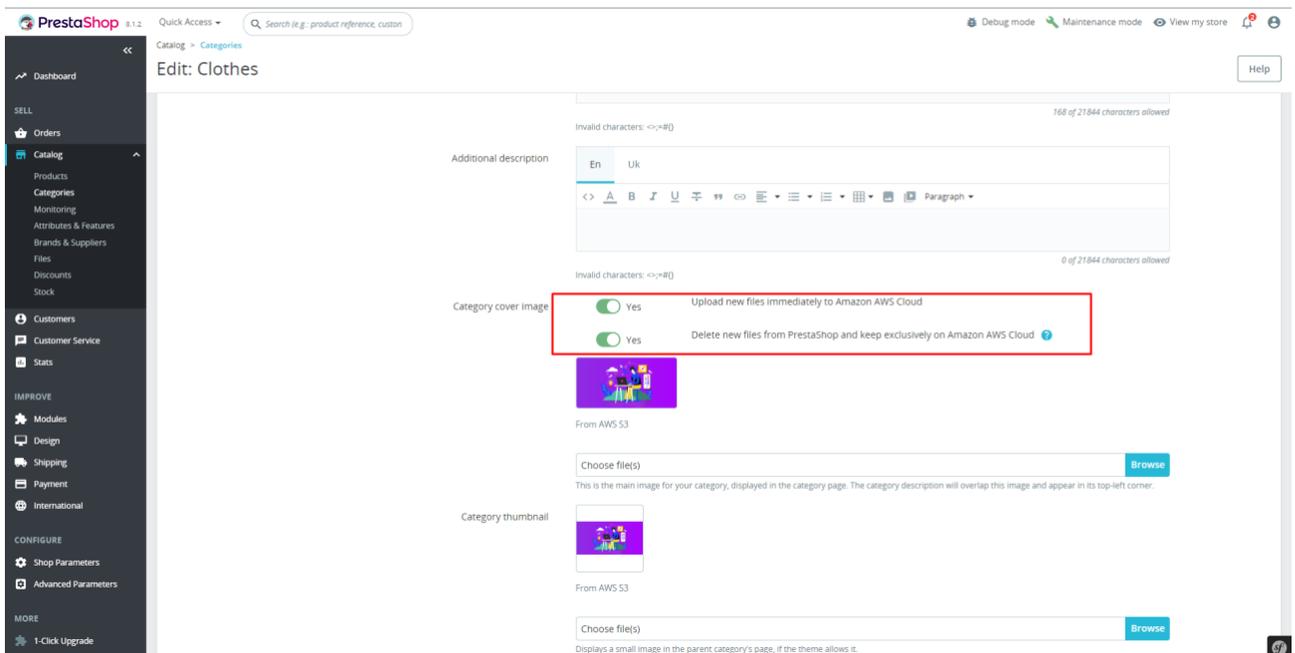


- **Upload new files immediately to Amazon AWS Cloud** – upload picture immediately to AWS
- **Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud** – delete image from PrestaShop server after upload to AWS S3

New product page design is supported



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:

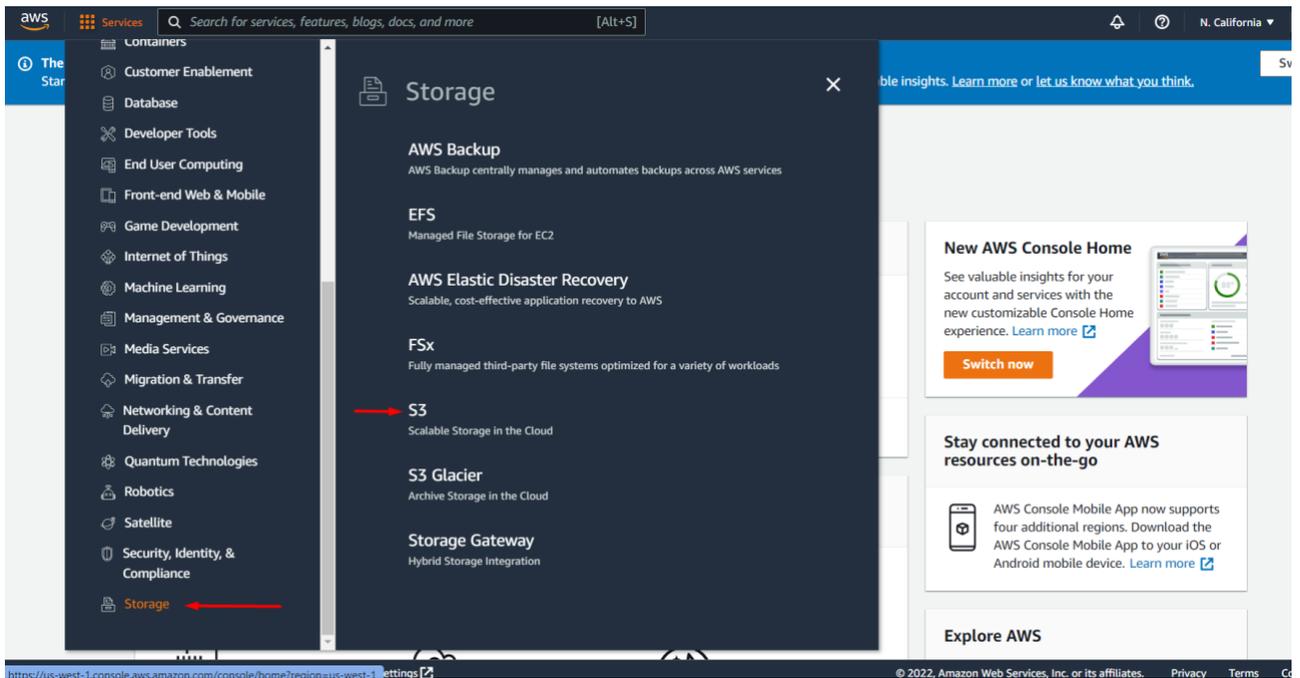
The screenshot shows the PrestaShop 8.1.2 interface for editing a brand page. The main content area is titled "Edit: Graphic Corner" and includes a text editor with a paragraph about "Graphic Corner" posters. Below the text editor, there are two settings for the "Logo" field, both with "Yes" selected: "Upload new files immediately to Amazon AWS Cloud" and "Delete new files from PrestaShop and keep exclusively on Amazon AWS Cloud". A "Logo" field is also visible with a "Choose file(s)" button and a "Browse" button. Below the logo field are "Meta title", "Meta description", and "Meta keywords" fields, each with a language dropdown set to "EN". At the bottom, there is an "Enabled" checkbox with "Yes" selected.

- **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

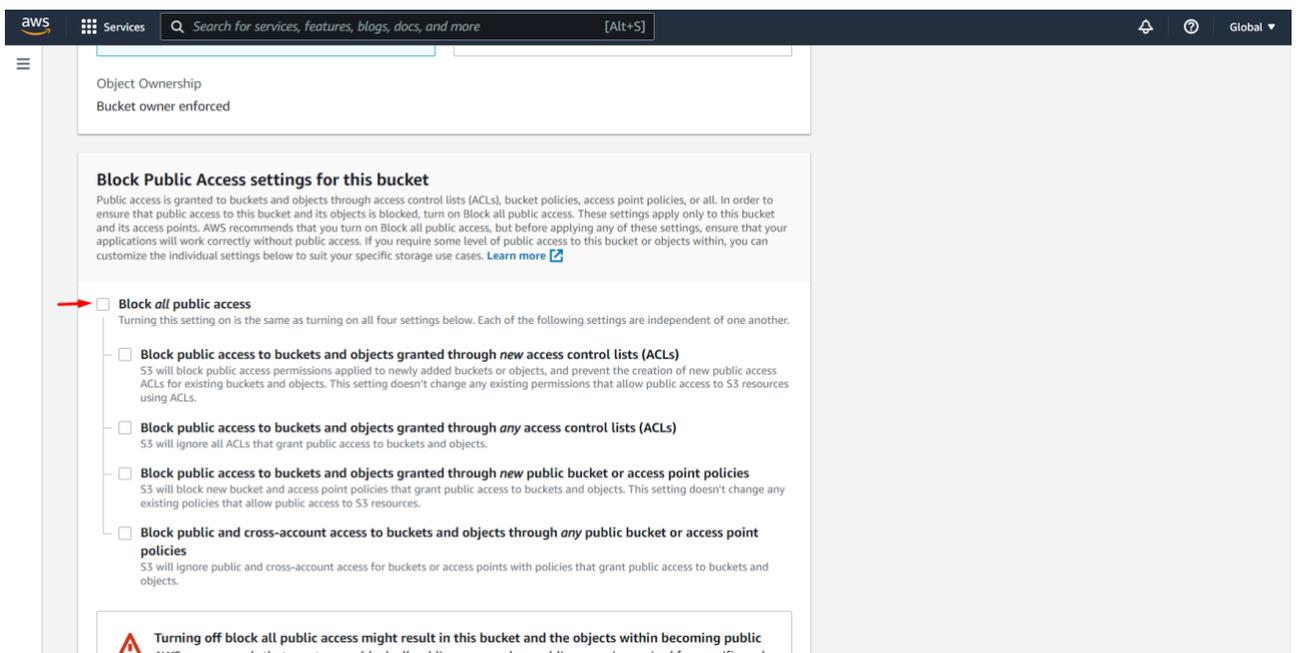
Attention! Keep in mind that if you select the 'Yes' option, all new media files will only be stored in the Amazon AWS Cloud and not on your PrestaShop store hosting! You must be aware of the implications of this setting and the risk of file loss.

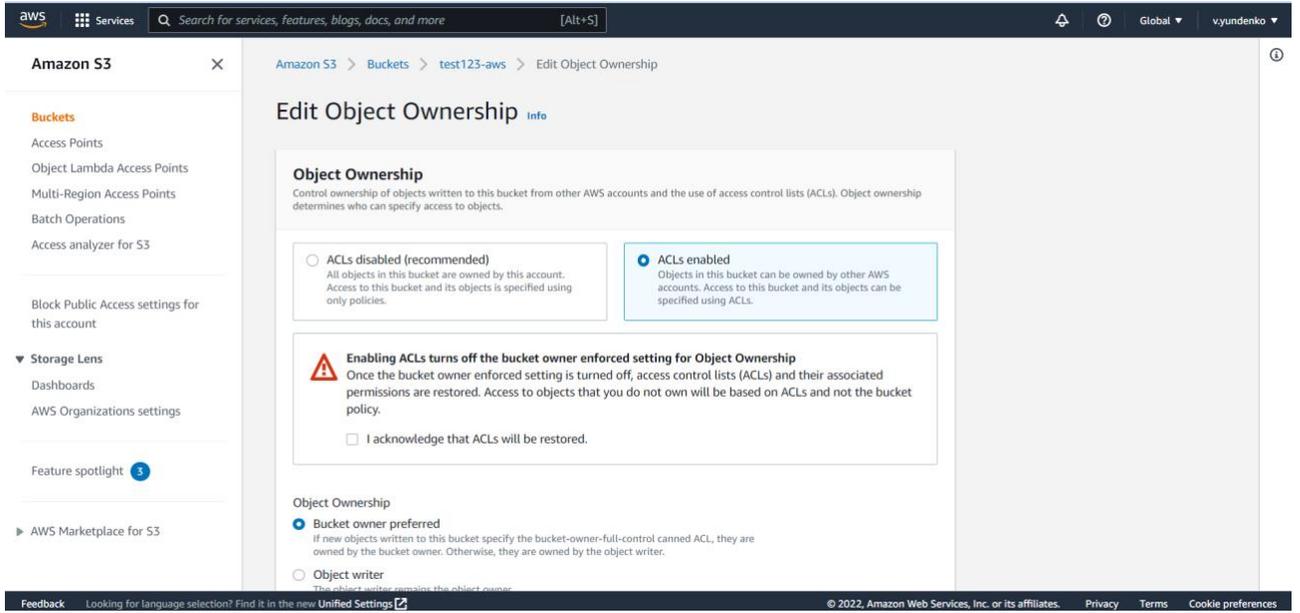
Setting up AWS S3

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>)

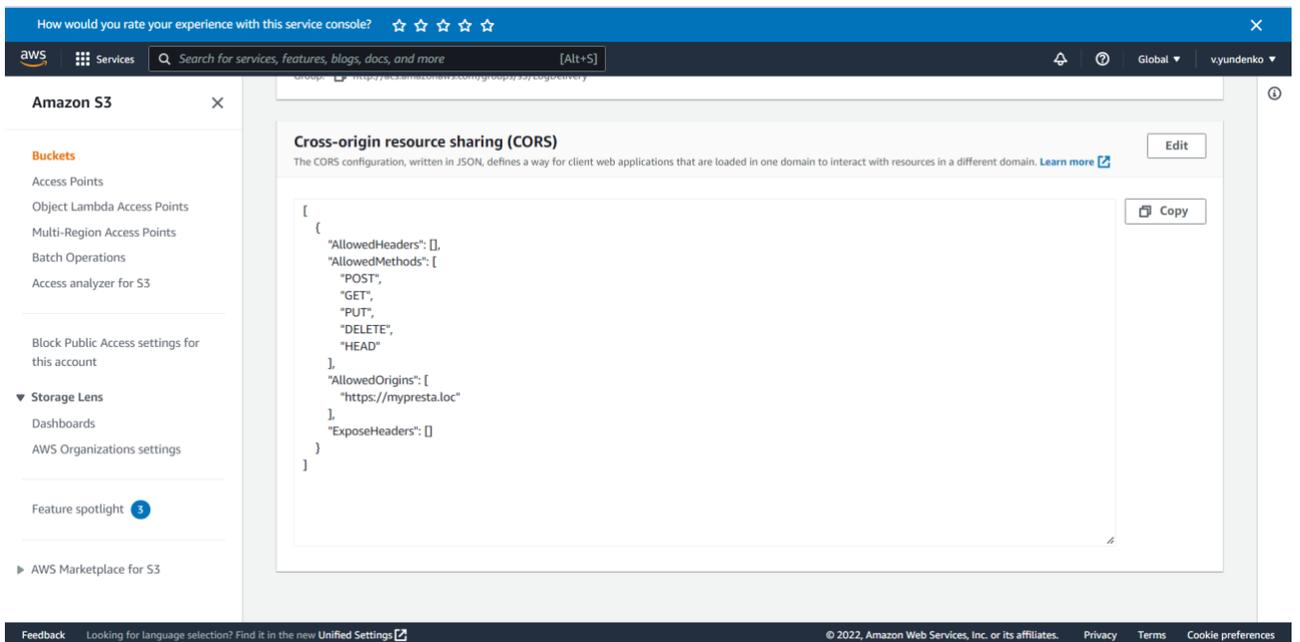


3. Create your Bucket (Create bucket)
4. Be sure to clear the checkbox when creating **Block all public access**





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

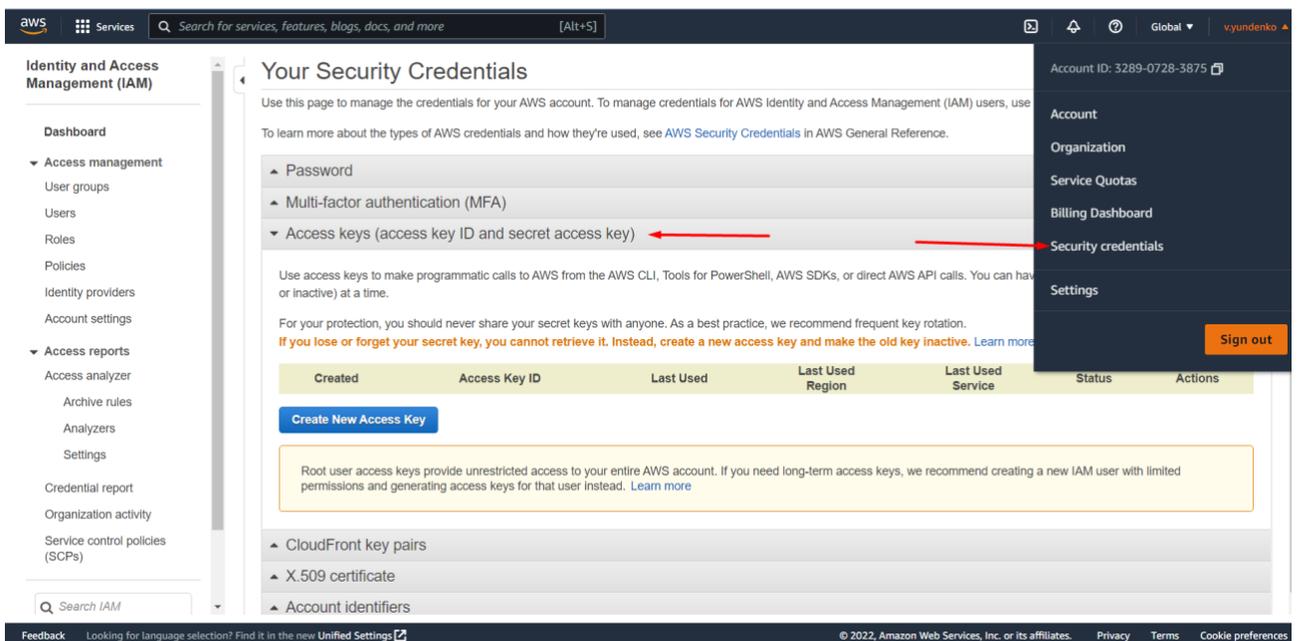


Click the **Edit** button and set up CORS (JSON format):

```
[
  {
    "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.

Other remarks

Replacing styles and scripts URLs on the site:

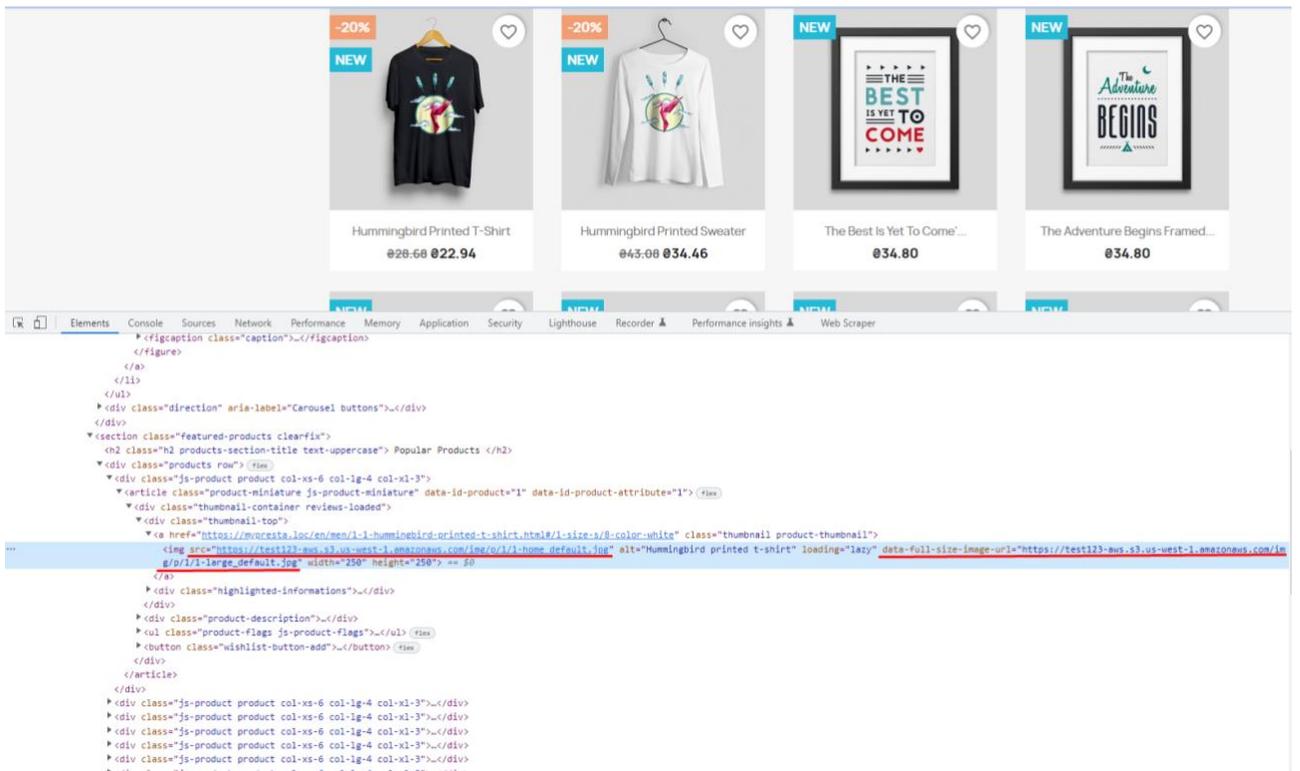
```
Contact us English Currency: UAH€ Sign in Cart (0)
my store CLOTHES ACCESSORIES ART Search our catalog

Elements Console Sources Network Performance Memory Application Security Lighthouse Recorder Performance insights Web Scraper
<meta property="og:url" content="https://myprستا.لoc/en/">
<meta property="og:site_name" content="test اوس">
<meta property="og:type" content="website">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="icon" type="image/vnd.microsoft.icon" href="https://myprستا.لoc/لله/favicon.لco?1324977642">
<link rel="shortcut icon" type="image/x-icon" href="https://myprستا.لoc/لله/favicon.لco?1324977642">
<link rel="stylesheet" href="https://test123-اوس.s3.us-west-1.amazonaws.com/themes/classic/assets/css/theme.css" type="text/css" media="all">
<link rel="stylesheet" href="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/blockreassurance/views/dist/front.css" type="text/css" media="all">
<link rel="stylesheet" href="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/os_searchbar/os_searchbar.css" type="text/css" media="all">
<link rel="stylesheet" href="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/eroductcomments/views/css/eroductcomments.css" type="text/css" media="all">
<link rel="stylesheet" href="https://test123-اوس.s3.us-west-1.amazonaws.com/js/jquery/ui/themes/base/minified/jquery-ui.min.css" type="text/css" media="all">
<link rel="stylesheet" href="https://test123-اوس.s3.us-west-1.amazonaws.com/js/jquery/ui/themes/base/minified/jquery-ui.theme.min.css" type="text/css" media="all">
<link rel="stylesheet" href="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/blockwishlist/public/wishlist.css" type="text/css" media="all">
<link rel="stylesheet" href="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/os_imageslider/css/homeslider.css" type="text/css" media="all">
<link rel="stylesheet" href="https://myprستا.لoc/" type="text/css" media="all">
<script type="text/javascript"></script>
<style type="text/css"></style>
<style type="text/css"></style>
<style type="text/css"></style>
<style type="text/css"></style>
<style type="text/css"></style>
<style type="text/css"></style>
</head>
<body id="index" class="lang-en country-ua currency-uah layout-full-width page-index tax-display-enabled" style="">
<main>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/themes/core.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/themes/classic/assets/js/theme.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/os_emailsubscriptions/js/js/os_emailsubscriptions.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/blockreassurance/views/dist/front.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/os_facebook/views/js/front/conversion-anl.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/eroductcomments/views/js/jquery.rating.qlweln.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/eroductcomments/views/js/eroductlistingComments.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/js/jquery/ui/jquery-ui.min.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/blockwishlist/public/product_bundle.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/os_imageslider/js/responsiveslides.min.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/os_imageslider/js/homeslider.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/os_searchbar/os_searchbar.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/os_shooincart/os_shooincart.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/blockwishlist/public/erabnl.js"></script>
<script type="text/javascript" src="https://test123-اوس.s3.us-west-1.amazonaws.com/modules/blockwishlist/public/vendors.js"></script>
<script type="text/javascript" src="https://myprستا.لoc/"></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:

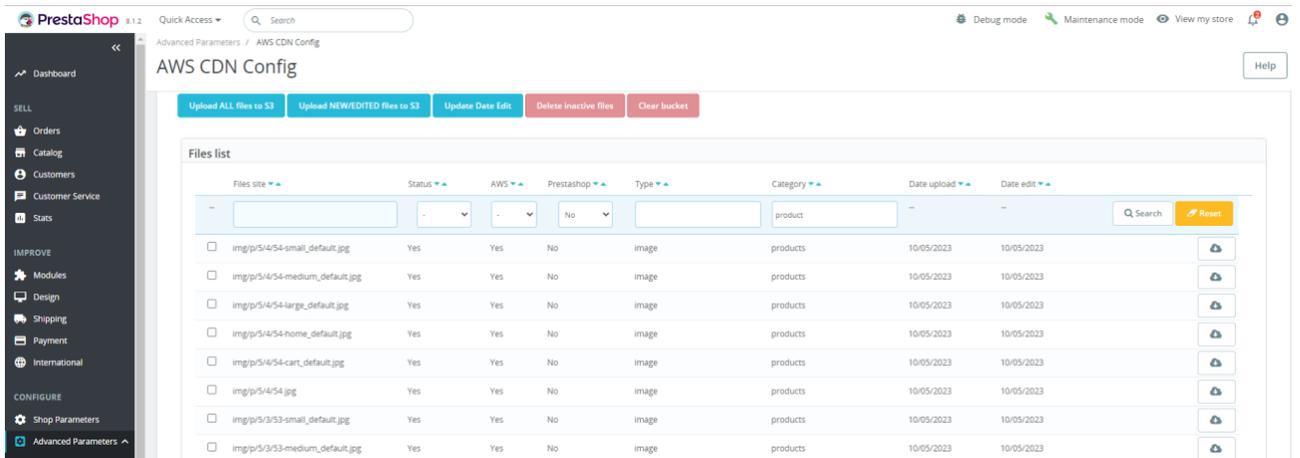
```
Elements Console Sources Network Performance Memory Application Security Lighthouse Recorder Performance insights Web Scraper
SAMPLE 3
EXCEPTEUR OCCAECAT
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin tristique in tortor et dignissim. Quisque non tempor leo. Maecenas eget sita sem elit

<figcaption class="caption"></figcaption>
</figure>
</div>
<div class="direction" aria-label="Carousel buttons"></div>
</div>
<section class="Featured-products clearFix">
<a class="banner" href="https://myprستا.لoc/en/" title"></a>
```



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

Besides there are useful filters on module setting page to list files:



CRON jobs:

The screenshot shows the PrestaShop 8.1.2 Admin Backoffice interface. The top navigation bar includes 'Quick Access', a search bar, and status indicators for 'Debug mode', 'Maintenance mode', and 'View my store'. The left sidebar contains navigation menus for 'SELL' (Orders, Catalog, Customers, Customer Service, Stats) and 'IMPROVE' (Modules, Design, Shipping, Payment, International). The main content area is titled 'AWS CDN Config' and has three tabs: 'GENERAL', 'CONFIGURATION', and 'CRON JOBS'. The 'CRON JOBS' tab is active, showing a table with one entry: 'Update And Upload Files' with a path to the update script. A blue callout box provides the recommended cron settings: '0 0 * * * /home/u54166865/doma > ins/softsprint2.pp.ua/public_html/ps18_aws/modules/amazonawss3c dnm mediaserv8/controllers/admin/update-edit-and-new-files.php'.

Prestashop Multishop

- Physical URL: supports
- Virtual URL: supports

Each store needs to set its own settings.

Installation

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

Demonstration video

<https://youtu.be/E2HvnZblpfE>