

Addact CloudConnect

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Technical Guide

Introduction

As many large companies are delivering digital content to users across the globe, taking advantage of a **Sitecore.** To help improve website speed and reduce latency times. Addact CloudConnect enables users in setting up a Sitecore integration with <u>AWS CloudFront CDN</u> to help supercharge the delivery of a website's static assets.

In this module, we are maintaining same flow to store image in media library for CMS user. But for website we store image to AWS CDN network. So, when user login in Sitecore CMS at that time all media comes from Sitecore itself. Sitecore user sync all media through our module.

In this module, we are giving functionality for sync media to CDN when new item creates in media library. Also, we are managing update, rename, move item from media library.

Features

- "Sync Media" button in publish section where Sitecore user manually sync the item from Sitecore to AWS CDN. This feature is useful when some clients want to integrate CDN in Sitecore at that time sync all media to CDN. We are giving two option for here. One for sync "Current item" and another for "Current item with child".
- "Clear Cache" button in publish section where Sitecore user clear the CDN cache from Sitecore itself. No requirement to go to the AWS console and remove the particular image cache or all website cache. Here we are giving two option for clearing cache one for individual item and another for remove all item cache.
- Configurable checkbox for enable or disable CDN integration.



How to setup Amazon AWS CDN Account?

Please refer the below URL for creating new Amazon AWS account.

- https://www.youtube.com/watch?v=WviHsoz8yHk
- https://devopsmates.com/how-to-create-a-new-aws-free-tieraccount/
- https://www.cmswire.com/cms/web-publishing/how-to-integratingamazon-cdn-in-4-simple-steps-003589.php

Installation of Sitecore Package:

Please install the "CloudConnect-1.0.zip" using Sitecore Installation wizard. Package contains all the require file, configs and Sitecore item.

Configuration

After installing package there are some manual step you have to follow shown below.

- I. Publish "/sitecore/templates/CDN Setup" with subitem.
- II. Go to **"/sitecore/templates/System/Media/Unversioned/File** template and inherit it with

"/sitecore/templates/CDNetup/_MediaContentDeliveryNetwork" template

III. Publish "/sitecore/templates/System/Media/Versioned/File"

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IV. Go to "/sitecore/templates/System/Media/Versioned/File"

template and inherit it with



/sitecore/templates/CDNSetup/_MediaContentDeliveryNetwork"
template

- V. Publish "/sitecore/templates/System/Media/Versioned/File"
- VI. Go to "/sitecore/system/CDN Configuration/Configuration" configure AWS CDN Details like Access key, secrete access key, Bucket etc.
- VII. After configuration publish the "/sitecore/system/CDNConfiguration" with subitem.



AWS configuration:

• Access Key ID and Secrete Access Key:

Go to My security Credential from left right side menu click Access Keys (Access Key ID and Secret Access Key) create new Access Key.

Search IAM	Your Security Credentials
	Use this page to manage the credentials for your AWS account. To manage credentials for AWS Identify and Access Management (AM) users, use the IAM Console.
Dashboard Groups	To learn more about the types of AWS credentials and how they're used, see AWS Security Credentials in AWS General Reference.
Users	▲ Password
Roles	Multi-factor authentication (MFA)
Policies	Access keys (access key ID and secret access key)
Identity providers	
Account settings	You use access keys to sign programmitic requests to AWS services. To learn how to sign requests using your access keys, see the signing documentation. For your protection, store your access keys securely and do not share them. In addition, AWS recommends that have not experiment to addition and the second access keys accurately and do not share them. In addition, AWS recommends
Credential report	one you note you access not a corry so units. Note: You can have a maximum of two access keys (active or inactive) at a time.

- Bucket:
 - Go to https://s3.console.aws.amazon.com/s3/



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aws	Services 🛩	Resource Groups 👻 🦌			∫, Global + Support +
Amazon S3		Amazon Glacier now offers expedited retrievals, typically in 1-5 minutes. Learn More »	Documentation		
Buckets	·	S3 buokets		Cl Discover the console	
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settings for this account		Create bucket Edit public access settings Empty Delete			1_{Buckets} 1_{Regions} 2
		Bucket name 🔻	Access 🟮 🔻	Region 👻	Date created 💌
			Public		

• Distribution Id:

Go to "<u>https://console.aws.amazon.com/cloudfront/"</u> Select CloudFront Distribution - On General Tab - Distribution ID

aws Service	es 👻 Resource Groups 🗸	< *								
Distributions	CloudFront Distributions									
What's New										
Denerte 9 Angleties	Create Distribution Distribution Settings Delete Enable Disable									
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Cache Statistics	Delivery Method	ID 🗸	Domain Name	Comment						
Monitoring and Alarms	Web			-						
Popular Objects										
Top Referrers										
Usage										
Viewers										
Security										
Origin Access Identity										
Public key										
Field-level encryption										

Hostname:

Select Distribution - General - Domain Name

Example:

d111111abcdef8.cloudfront.net >
http://d11111abcdef8.cloudfront.net

• Service URL:

Go to <u>https://console.aws.amazon.com/cloudfront/</u> Select CloudFront Distribution - General - Domain Name

RegionEndpoint:

https://docs.aws.amazon.com/general/latest/gr/rande.html Select your Region

• Paths:

Set "/*" (We are using this for clearing all cache from CDN. This is default setting for AWS CDN)

• EnableCDN:

Checked (if this checkbox is checked it means CDN integration is enable)



How to Use?

First of all, you have to enable the "EnableCDN" checkbox from the CDN configuration ("/sitecore/system/CDN Configuration/ Configuration")

Now you have to just add the new media item from media library and it will sync the item in CDN server when you save the item.

If you want to sync media item manually from sitecore to CDN, use "Sync Media" button. It will sync single item as well as current with child item.

If you want to clear CDN cache. You have to use "Clear Cache" button. It will clear current media item or all media item from this button.

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Uninstallation Steps:

If you want to uninstall the package from your Sitecore instance, you have to remove config -

App_Config\Include\CloudFront\Foundation.CloudFront.config from your website node.