

Multi-Site Management (MSM) and Related Concepts

1. What is MSM, Blueprint, Live Copy, and Rollout?

Multi-Site Manager (MSM):

Multi-Site Manager (MSM) in Adobe Experience Manager (AEM) is a tool that allows content authors to efficiently manage multiple websites that share common structures and content. It enables the synchronization of content across multiple sites, reducing manual effort and maintaining consistency.

Blueprint:

A Blueprint is the master content structure used to create and maintain multiple copies of a site. When updates are made in the Blueprint, they can be rolled out to Live Copies.

Live Copy:

A Live Copy is a child site created from the Blueprint. It maintains a relationship with the source and can inherit or override content changes based on rollout configurations.

Rollout:

A Rollout is the process of synchronizing changes from the Blueprint to Live Copies. Rollout configurations determine how and when updates are pushed from the master site to its copies.

2. What is a Language Copy?

A Language Copy in AEM is a copy of a site translated into another language. Unlike Live Copies, Language Copies do not maintain a live relationship with the source; they are manually or automatically translated and managed separately.

Key Features:

- Enables content delivery in multiple languages.
 - Helps in creating region-specific content.
 - Works independently from MSM.
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3. Create a Site Using MSM with US English (us/en) as the Source

Steps to Implement MSM:

1. Go to AEM Sites:

- Navigate to AEM > Sites and select the source site (us/en).

2. Create a Blueprint:

- Go to AEM > Tools > Sites > Blueprints.

- Create a new Blueprint and configure the source as /content/us/en.
3. **Create a Live Copy:**
- Navigate to AEM > Sites.
 - Select Create and choose Live Copy.
 - Set the source as /content/us/en and define the destination.
4. **Configure Rollout Policies:**
- Navigate to AEM > Tools > Sites > Live Copies.
 - Select the Live Copy and configure rollout triggers.
5. **Verify Content Synchronization:**
- Modify the source content and perform a rollout.
 - Check if changes are reflected in the Live Copy.

Reference: [AEM Multi-Site Manager](#)

4. Create the Page: "About Our Food" (McDonald's US Site)

Steps to Create and Author the Page:

1. **Create a New Page in AEM:**
 - Navigate to AEM > Sites > Create Page.
 - Choose a relevant page template and name the page "About Our Food".
 2. **Author the Page Using Components:**
 - Use **Text Component** to add textual content from [McDonald's "About Our Food"](#).
 - Use **Image Component** to upload and place relevant images.
 - Use **Title Component** to match the headings.
 - Use **Layout Containers** to structure the page as per the reference site.
 3. **Preview and Publish the Page:**
 - Check the page preview and validate the layout.
 - Publish the page once verified.
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5. Set Up the Dispatcher on Local System

What is Dispatcher?

AEM Dispatcher is Adobe's caching and load balancing tool that improves performance and security. It serves as a reverse proxy that caches content and filters incoming requests before reaching AEM.

Steps to Set Up Dispatcher:

1. Download Dispatcher Module:

- Obtain the Dispatcher module for Apache/IIS from the [Adobe Download Page](#).

2. Install Apache Server:

- Install Apache HTTP Server (if not already installed).

3. Configure Dispatcher Module:

- Modify dispatcher.any to define caching rules and AEM instance details.

4. Enable Dispatcher Module in Apache:

- Load the Dispatcher module and restart Apache.

5. Test the Dispatcher Setup:

- Open the terminal and check the configuration using:
 - `apachectl -M | grep dispatcher`
- Validate caching by accessing pages and checking the cache folder.

References:

- [AEM Dispatcher Setup Guide](#)
- [Dispatcher Setup on YouTube](#)
- [Dispatcher Setup for Mac Users](#)

