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

Multi-Site Manager (MSM)

MSM is an AEM feature that allows you to manage multiple websites that share similar content. It enables you to create a **master copy** of a website (Blueprint) and then **distribute** or **inherit** its content across multiple sites (Live Copies).

Use Case: If a company has multiple regional websites (e.g., us.example.com, uk.example.com), MSM helps maintain content consistency while allowing region-specific modifications.

Blueprint

A **Blueprint** is the **master version** of content that serves as a template for multiple Live Copies. Changes in the Blueprint can be **rolled out** to all Live Copies.

- **Stored under**: /content/blueprints

- **Purpose**: Acts as the **source** content for multiple sites.

- **Example**: A global website (/content/global) that serves as a **Blueprint** for regional websites (/content/us, /content/uk, etc.).

Live Copy

A **Live Copy** is a **child copy** of the Blueprint. It inherits content from the Blueprint but can be modified based on specific rules.

- **Stored under**: /content/sitename

- **Purpose**: Syncs content from the Blueprint but allows localized modifications.

- **Example**: /content/global is a Blueprint, and /content/us is a Live Copy of /content/global.

Each Live Copy has an **inheritance mode**:

- **Inherited** – Content syncs with the Blueprint.

- **Detached** – Content can be modified without syncing with the Blueprint.

Rollout

A **Rollout** is the process of updating Live Copies with changes from the Blueprint.

- **Triggered manually** or **automatically** when content in the Blueprint changes.

- **Rollout Configurations** define **how** and **when** content updates are pushed.

Example: If /content/global (Blueprint) updates a page, a **rollout** can push these updates to /content/us (Live Copy), maintaining consistency.

2 . What is Language Copy?

A **Language Copy** in **Adobe Experience Manager (AEM)** is a **localized version** of a website that helps manage multilingual content. It allows you to create copies of your content for different languages while maintaining a connection to the original (source) language.

Key Features of Language Copy

1. **Creates a copy of a page for translation** – The structure and content of the original page are duplicated for another language.

2. **Does not maintain a live relationship with the source** – Unlike MSM Live Copy, changes in the source language do **not** automatically update the language copy.

3. **Supports manual or automated translation** – Content can be translated manually or through **AEM's Translation Integration**.

4. **Organized under language root folders** – For example:

/content/my-website/en (English)

/content/my-website/fr (French)

/content/my-website/de (German)

5. **Uses AEM's Translation Projects** – You can track and manage translations.

6. **Steps to Create a Language Copy in AEM**

1. **Go to AEM Sites Console** (/sites.html).

2. **Select the Source Page** (e.g., /content/my-website/en).

3. Click **"Create" → "Language Copy"**.

4. Select the **Target Language** (e.g., French, Spanish).

5. Choose a **Translation Method** (Manual or Automated).

6. Click **"Create"**, and the language copy is generated

3 . Create a Site Using MSM (US EN as Source)

In Adobe Experience Manager (AEM), Multi-Site Manager (MSM) allows you to create a site where multiple regional versions inherit content from a central source (US EN). Here's a step-by-step guide to setting up an MSM structure with US EN as the Blueprint (Source).

 Step 1: Set Up the Blueprint (Source)

1. **Navigate to AEM Sites (/sites.html).**

2. **Create the Source Site (US English)**

   o **Click Create → Site.**

   o **Choose a template (e.g., We.Retail or your custom template).**

   o **Name it us-en and create it at /content/us/en.**

   o **Click Create → Done.**

3. **Add Sample Content to /content/us/en:**

   o **Go inside /content/us/en.**

   o **Create pages like:**

/content/us/en/home

/content/us/en/news

/content/us/en/about-us

   o **Add text and images for testing.**

 Step 2: Create a Blueprint Configuration

1. **Go to Tools → Sites → Blueprints Configuration (/mnt/overlay/msm/gui/content/blueprints.html).**

2. **Click Create and enter:**

   o **Title: US EN Blueprint**

   o **Source Path: /content/us/en**

   o **Description: "Blueprint for US English site."**

3. **Click Save & Close.**

Step 3: Create a Live Copy (Target Site)

1. **Go to AEM Sites (/sites.html).**

2. **Select /content/us/en and click Create → Live Copy.**

3. **Set:**

   o **Target Path: /content/uk/en (for the UK site).**

   o **Rollout Configurations: Default (Page Properties, Content Update, etc.).**

   o **Click Create.**

Step 4: Verify Live Copy and Sync

1. **Go to AEM Sites → /content/uk/en.**

2. **You'll see a copy of the /content/us/en structure.**

3. **Click on a page in /content/uk/en, and check the Live Copy tab (Page Properties).**

4. **To sync updates from US EN:**

   o **Modify /content/us/en/home.**

   o **Select /content/us/en and click Rollout → Choose Push to /content/uk/en.**

   o **Changes will reflect in the UK site.**

Step 5: Detach or Modify Content

- **If UK needs custom content, detach inheritance:**

   o **Edit /content/uk/en/home.**

   o **Click Live Copy tab → Detach to stop syncing.**

4 . Create McDonald's "About Our Food" Page in AEM :

Step 1: Create a New Page

1. **Log in to AEM and go to the Sites Console (/sites.html).**

2. **Navigate to the desired location in the content tree:**

bash

CopyEdit

/content/mcdonalds/en

3. **Click Create → Page.**

4. **Select the We.Retail template as the base structure.**

5. **Enter:**

   o **Page Title: "About Our Food"**

   o **Name (URL Slug): about-our-food**

6. **Click Create, then Open the page for editing.**

Step 2: Add and Arrange AEM Components

To structure the page like McDonald's "About Our Food", use the following AEM components:

1. **Hero Image (Image Component)**

   - **Drag and drop the Image Component to the top of the page.**

   - **Upload a relevant image from McDonald's website.**

   - **Add Alt Text for accessibility.**

2. **Introductory Text (Text Component)**

   - **Use the Text Component to add an introduction.**

   - **Copy relevant text from McDonald's official website while maintaining originality.**

3. **Image Carousel (Carousel Component)**

   - **Use the Carousel Component to create a banner slider.**

   - **Add multiple images showcasing McDonald's ingredients and food quality.**

4. **Additional Sections (Text + Image Layout)**

   - **Insert Text Components to highlight McDonald's commitment to quality ingredients and sustainable sourcing.**

   - **Pair text with Image Components for a visually appealing layout.**

5. **Call-to-Action (CTA) Button**

   - **Use the Button Component to encourage users to explore the menu.**

   - **Example:**

     - **Label: "Explore Our Menu"**

     - **Link: /content/mcdonalds/en/menu**

Step 3: Configure Page Metadata

1. **Click Page Properties (Top-right corner).**

2. **Enter SEO details:**

   - **Title: "McDonald's | About Our Food"**

- o **Description: "Learn about the fresh ingredients and quality behind McDonald's menu."**

- o **Tags: mcdonalds, food, quality, ingredients.**

3. **Save the changes.**

Step 4: Publish the Page

1. **Click Publish → Publish Page.**

2. **Verify the page by visiting the URL:**

https://www.mcdonalds.com/content/mcdonalds/en/about-our-food.html

5 . Setup Dispatcher on Local

1. **Download Dispatcher Module:**

- o **Get the dispatcher module from Adobe Dispatcher Download.**

2. **Install Apache Web Server:**

3. **sudo apt update**

sudo apt install apache2

4. **Configure Dispatcher:**

- o **Modify dispatcher.any and httpd.conf to enable caching and security rules.**

5. **Test Dispatcher:**

- o **Start the Apache server and test using:**

curl -I http://localhost:80/content/we-retail.html