

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

## ? MSM (Multi-Site Manager):

- **MSM** in AEM is a tool used to manage multiple sites from a single source, enabling content replication across sites. It helps streamline the management of **content** and **pages** in different geographical regions or languages.

## ? Blueprint:

- A **Blueprint** is a template or a reference site in MSM. It is typically a fully developed site that contains content, templates, and components. Other sites are created as **Live Copies** from the Blueprint.

## ? Live Copy:

- A **Live Copy** is a site that inherits content, structure, and design from a Blueprint. Any changes to the Blueprint are rolled out to the Live Copies (if Rollout is triggered). This ensures consistency in content across multiple regions or languages.

## ? Rollout:

- **Rollout** is the process of pushing changes from the Blueprint to the Live Copies. When you make a change to the Blueprint (e.g., updating a template or content), you can roll it out to all the Live Copies to keep them in sync.

# 2. What is Language Copy?

**Language Copy** allows you to create content in multiple languages from the source language. When you create a language copy, it creates a new site for the target language (like `en`, `fr`, `de`) that inherits content from the source site. This helps in localizing content across different languages without having to recreate everything.

Language copies are similar to live copies, but they focus specifically on **content localization**. You can manage language versions of content in different locales easily through MSM.

# 3. Create a Site Using MSM (with US-EN as the Source)

## Steps:

1. **Create a Blueprint Site:**

- First, create the **Blueprint** site (your master or reference site). Let's say it's for the **US-English (us-en)** site.
2. **Set Up the Blueprint:**
    - Go to **Tools > Sites** in AEM.
    - Create a **Blueprint** under **/content** (e.g., /content/us/en).
    - Add the necessary content and templates to this site.
  3. **Create a Live Copy Site:**
    - After creating the Blueprint, you can create Live Copies for other regions or languages.
    - Right-click on the **Blueprint** (the us-en site) and choose **Create Live Copy**.
    - Select the target site path, e.g., /content/us/fr for French.
  4. **Rollout Changes:**
    - If you update the Blueprint (e.g., change a template), you can trigger a **Rollout** to apply those changes to the Live Copy site.

## 5. Create This Page

(<https://www.mcdonalds.com/us/en-us/about-our-food.html>) and Author the Page Using Components

### Steps:

1. **Create a New Page:**
  - Go to **Sites** in AEM.
  - Navigate to /content/us/en (or create a similar path in your project).
  - Create a new page under this path with the name **about-our-food.html**.
2. **Author the Content:**
  - Use **AEM's WYSIWYG Editor** to create the content.
  - Add **Image** components for the images used on the page.
  - Use **Text** components for content like descriptions, headers, etc.
3. **Use McDonald's Content:**

- Download content/images from the McDonald's page you provided (if publicly available).
- Add these images and content into the page via AEM's **Image Component** and **Text Component**.

#### 4. Use Page Templates:

- If McDonald's page uses a specific template, use the same template or create a new one if needed.
- Author the page by dragging and dropping components in AEM's page editor.

## 5. Setup the Dispatcher on Your Local

### Install Apache HTTP Server:

- Install Apache on your local machine.

### Download Dispatcher Module:

- Download the **Dispatcher module** from Adobe's official website. Ensure you get the correct version based on your Apache version.

### Configure Dispatcher:

- Once Apache is installed, configure the **dispatcher** module by editing the httpd.conf file.
- You will need to enable the **mod\_dispatcher** module in Apache.

### Create Dispatcher Configuration File:

- The **dispatcher.any** file needs to be configured to connect Apache with AEM.
- Example configuration:

bash

Copy

/rules

{

  /0000 { /glob "\*" /type "allow" }

}

/virtualhosts

```

{
  /hostname "localhost"
  /port "4503"
}
/cache
{
  /docroot "/var/www/dispatcher/cache"
}

```

### Configure the Dispatcher with AEM:

- Modify the web.xml configuration of AEM to work with **dispatcher** and enable caching for content.

### Test the Dispatcher:

- Once the dispatcher is set up, you can check the cache directory (/var/www/dispatcher/cache) for the cached content.
- Access AEM via **http://localhost:4502** and **http://localhost:4503** (with dispatcher).

