1. Understanding MSM in AEM

Multi-Site Management (MSM) is an AEM feature that allows you to manage content across multiple websites efficiently. It enables you to create a master site (Blueprint) and generate localized or region-specific copies (Live Copies), making the process of managing and maintaining large, multi-regional websites more streamlined.
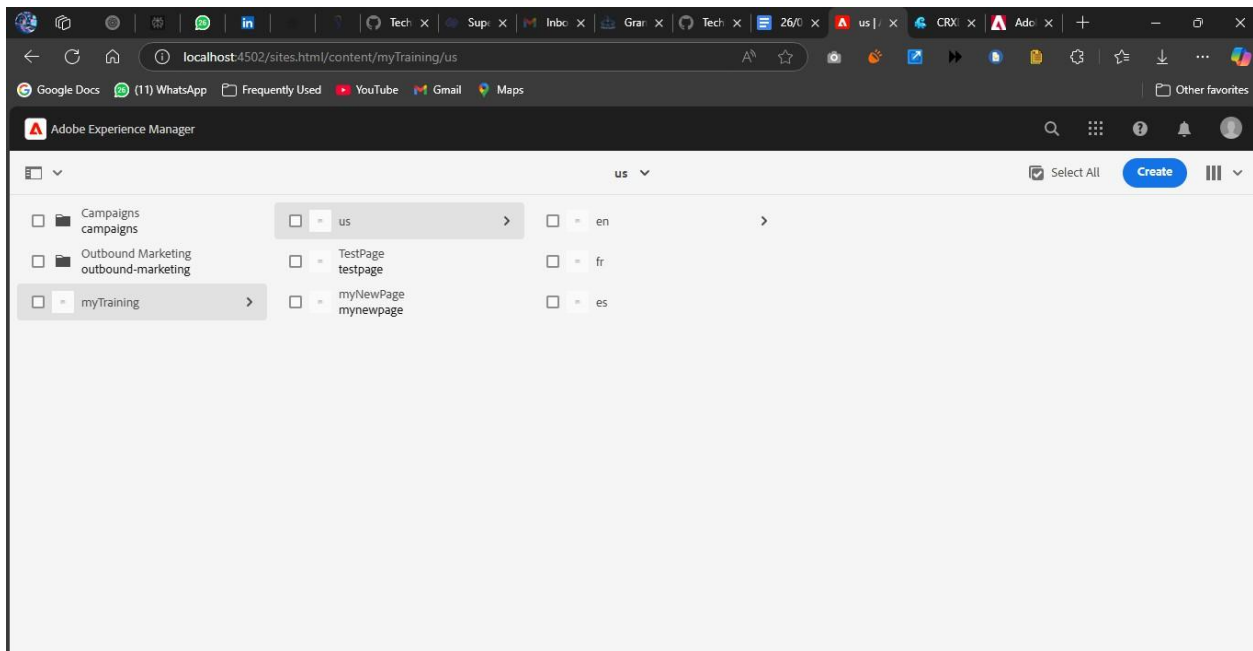
Components in MSM:

- **Blueprint**: The master site that holds the original content.

- **Live Copy**: A copy of the Blueprint. These pages inherit the structure and content from the Blueprint.

- **Rollout**: The action of pushing changes from the Blueprint to the Live Copy, ensuring that the copies are kept up-to-date with the original content.

2. Language Copy in AEM

A **Language Copy** is used to create a version of your website in different languages. Instead of manually duplicating content for each language, AEM allows you to manage multiple language versions of the site through **Language Copies**.

Example:

- `/content/us/en`: English version

- `/content/us/fr`: French version

- `/content/us/es`: Spanish version

These language copies allow you to manage content in multiple languages and translate or localize them efficiently.

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

Steps to Create MSM Site:

1. **Navigate to MSM Control Center**:

   ○ Go to **AEM Sites → Tools → MSM Control Center**.
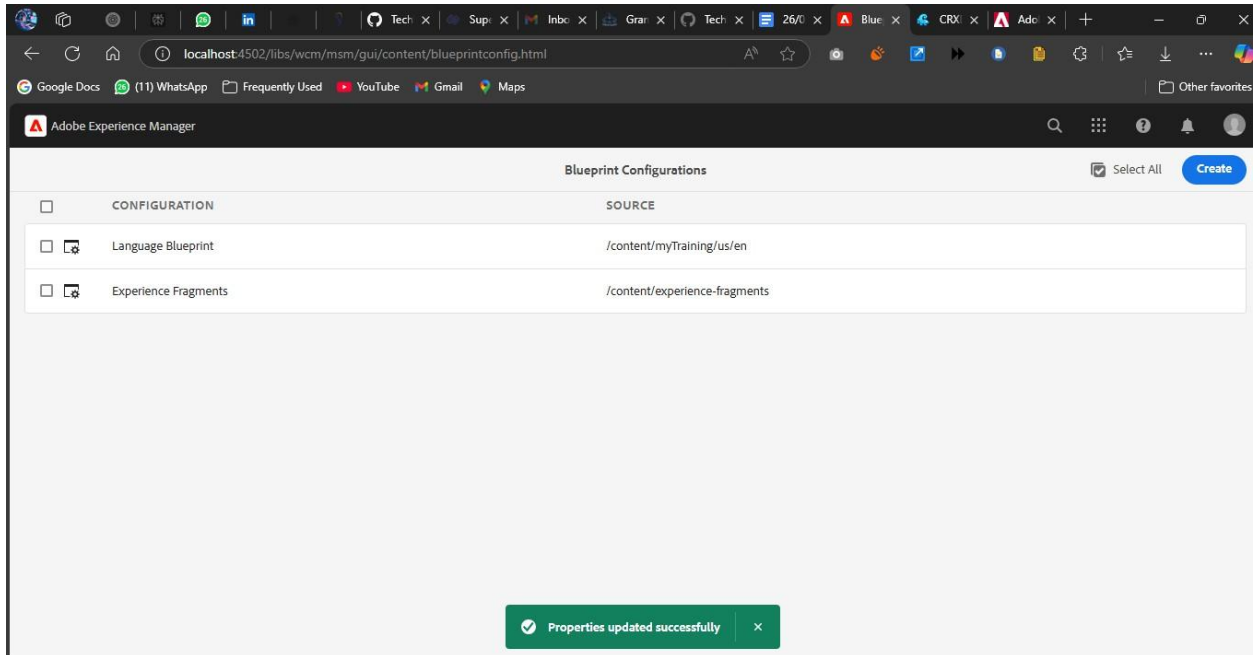
2. **Create a Blueprint Configuration**:

   ○ Select `/content/us/en` as the source for your blueprint configuration.

3. **Create a Live Copy**:

○ Navigate to **Sites** and create a Live Copy using the newly created Blueprint. The Live Copy will automatically inherit content and structure from the Blueprint.

4. **Configure Rollout Settings**:

○ In the MSM Control Center, configure the rollout rules that define how content will propagate from the Blueprint to the Live Copy.

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

Steps to Author the Page:

1. **Create a New Page**:

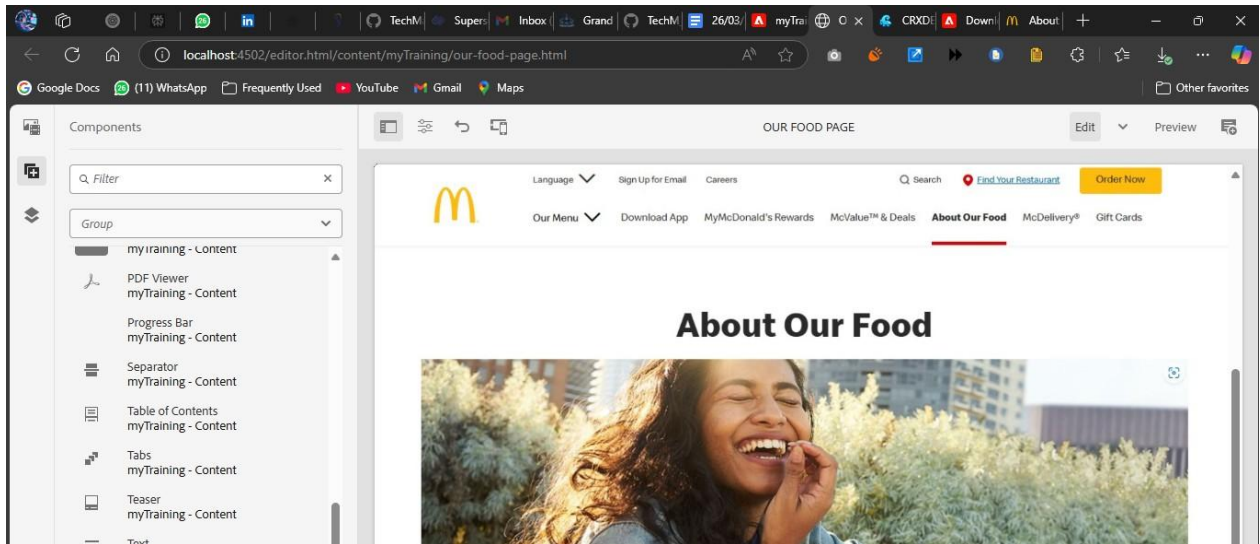○ Go to **AEM Sites** and create a new page using the **We.Retail template**.

2. **Add Components to the Page**:

○ **Image Component**: Add images from McDonald's website.

○ **Text Component**: Copy relevant text content from the McDonald's About page.

- ○ **Carousel Component**: Use a carousel for showcasing banner images or slides.

3. **Structure the Page Layout**:

   - ○ Arrange the components in a layout similar to McDonald's "About Our Food" page. Refer to McDonald's page [here](#).

By using AEM's built-in components, you can create a similar layout and design while customizing content as needed.

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5. Setting Up Dispatcher on Local

The **Dispatcher** is an important AEM component used for caching and load balancing. It helps optimize performance by caching content on the web server side and controlling how the request is forwarded to AEM.

Steps to Install and Configure Dispatcher:

1. **Download Dispatcher Module**:

   - ○ Obtain the dispatcher module from the official Adobe website: [Adobe Dispatcher Download](#).

2. **Install Apache Web Server**:

   - ○ On your local machine, install Apache web server if it is not already installed:

sudo apt update

sudo apt install apache2

3. **Configure Dispatcher**:

- ○ Extract the Dispatcher module and configure it by modifying the `dispatcher.any` configuration file to include caching rules, security configurations, and URL mapping.

- ○ Modify `httpd.conf` to ensure that Apache serves requests to AEM correctly.

4. **Test Dispatcher**:

- ○ Once the dispatcher is configured, restart the Apache server and test if the content is being served from the cache using:

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

5. This command will verify if the dispatcher is working by checking the HTTP response header.