

27/03/2025

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

MSM (Multi-Site Manager):

AEM's tool to manage **multiple websites** that share common content, structure, or templates.

Blueprint:

- The **source site/page** in MSM.
- Changes in the blueprint can be **rolled out** to Live Copies.

Live Copy:

- A **copy** of the blueprint site/page that can be synchronized via **rollout**.

Rollout:

- The action of **pushing updates** from blueprint to live copies.

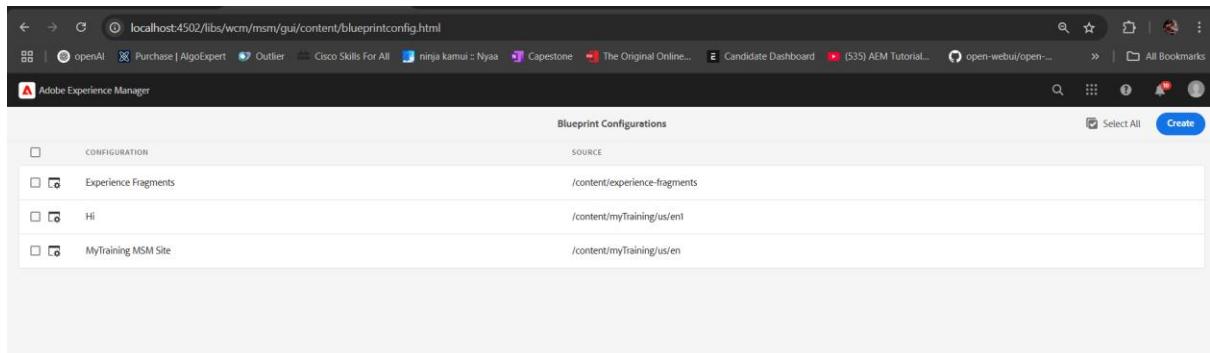
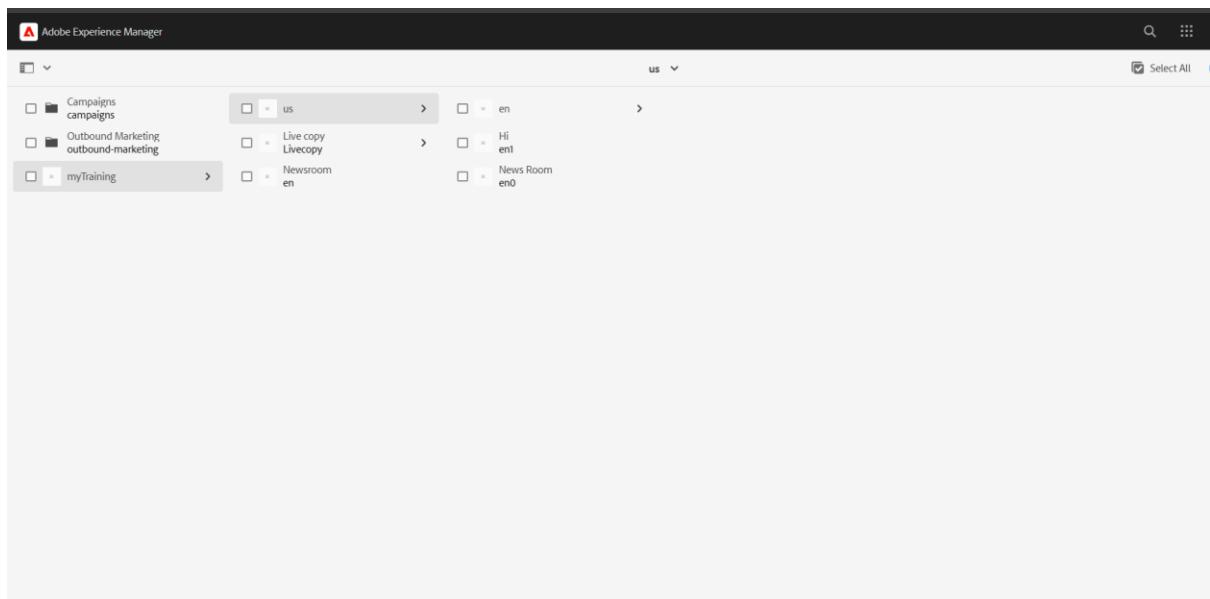
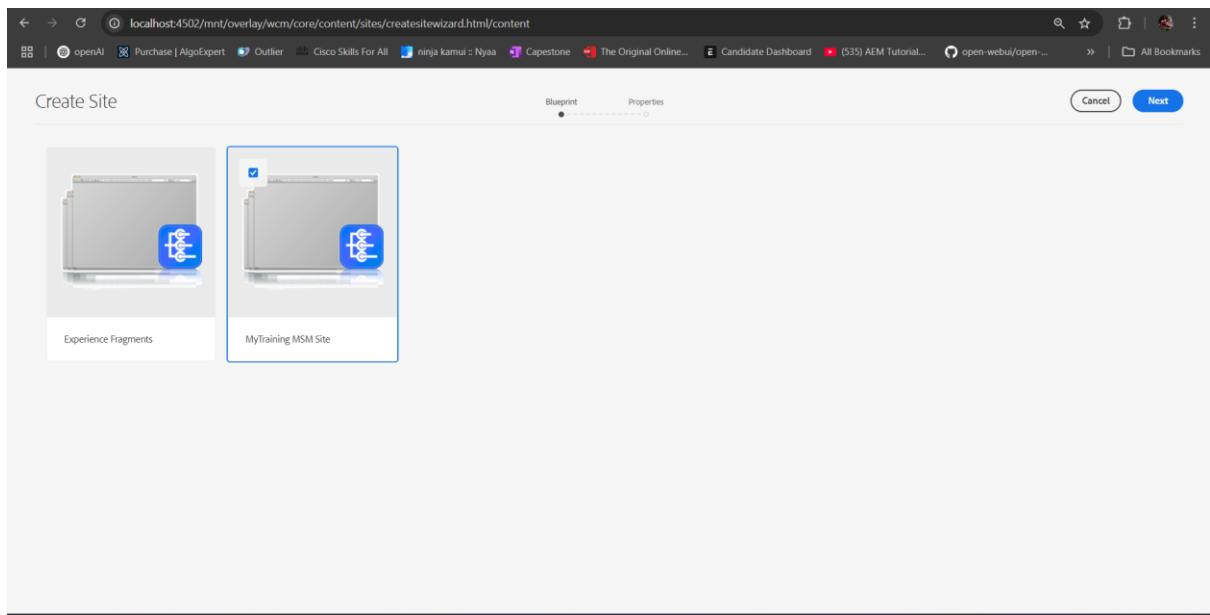
2. What is Language Copy?

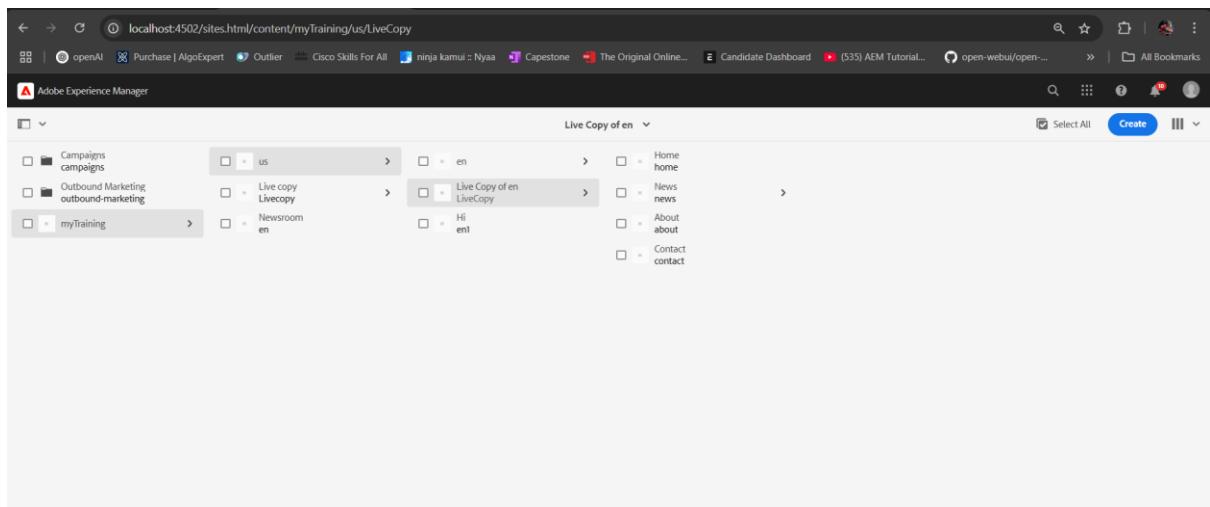
A **Language Copy** in AEM is used for **translation purposes**. It allows you to create **copies of pages** for different languages while keeping them in sync with the original (source language).

3. Create a Site Using MSM with us/en as Source

Steps:

1. **Login to AEM** (<http://localhost:4502>)
2. Go to **Sites > Create > Site**
3. Choose **We.Retail** or **your custom project** template
4. • Go to **Blueprint Control Center** (Tools > MSM > Blueprints)
5. • Create a **Blueprint Configuration** pointing to `/content/mysite/us/en`
6. • Go to `/content/mysite/ca/en` and create as **Live Copy**
7. • Now, you can **roll out** changes from `us/en` to other countries.





4. Create and Author this Page

URL: <https://www.mcdonalds.com/us/en-us/about-our-food.html>

Steps:

1. Go to AEM Sites > /content/mysite/us/en/about-our-food
2. Create a **new page** using WKND or your **custom template**
3. Use **Text, Image, Title, and Layout Container** components
4. Copy **text and images** from the McDonald's page
 - o Use Chrome Developer Tools to extract images
 - o Save and upload to **DAM (Assets)**
5. Add sections like:
 - o "Real Ingredients"
 - o "Commitment to Quality"
 - o Image blocks

Take screenshots of the **authored page**, page structure, and **component usage**.

localhost:4502/editor.html/content/myTraining/us/en/about-our-food.html

ABOUT-OUR-FOOD

Search

About Our Food



We're Passionate About Our Food

Explore McDonald's food facts, including calorie and dietary info. Learn about nutrition facts and the ingredients used to deliver quality in every meal, including more balanced options for a Happy Meal® and each fresh beef Quarter Pounder®* burger is cooked when you order.

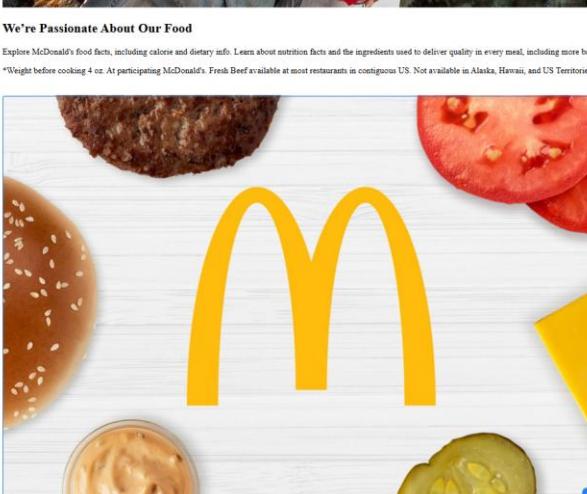
*Weight before cooking 4 oz. At participating McDonald's. Fresh Beef available at most restaurants in contiguous US. Not available in Alaska, Hawaii, and US Territories.



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Q Search

ENG IN

08-04

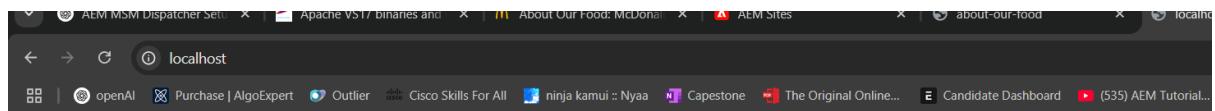
5. Setup the Dispatcher Locally

Summary Steps:

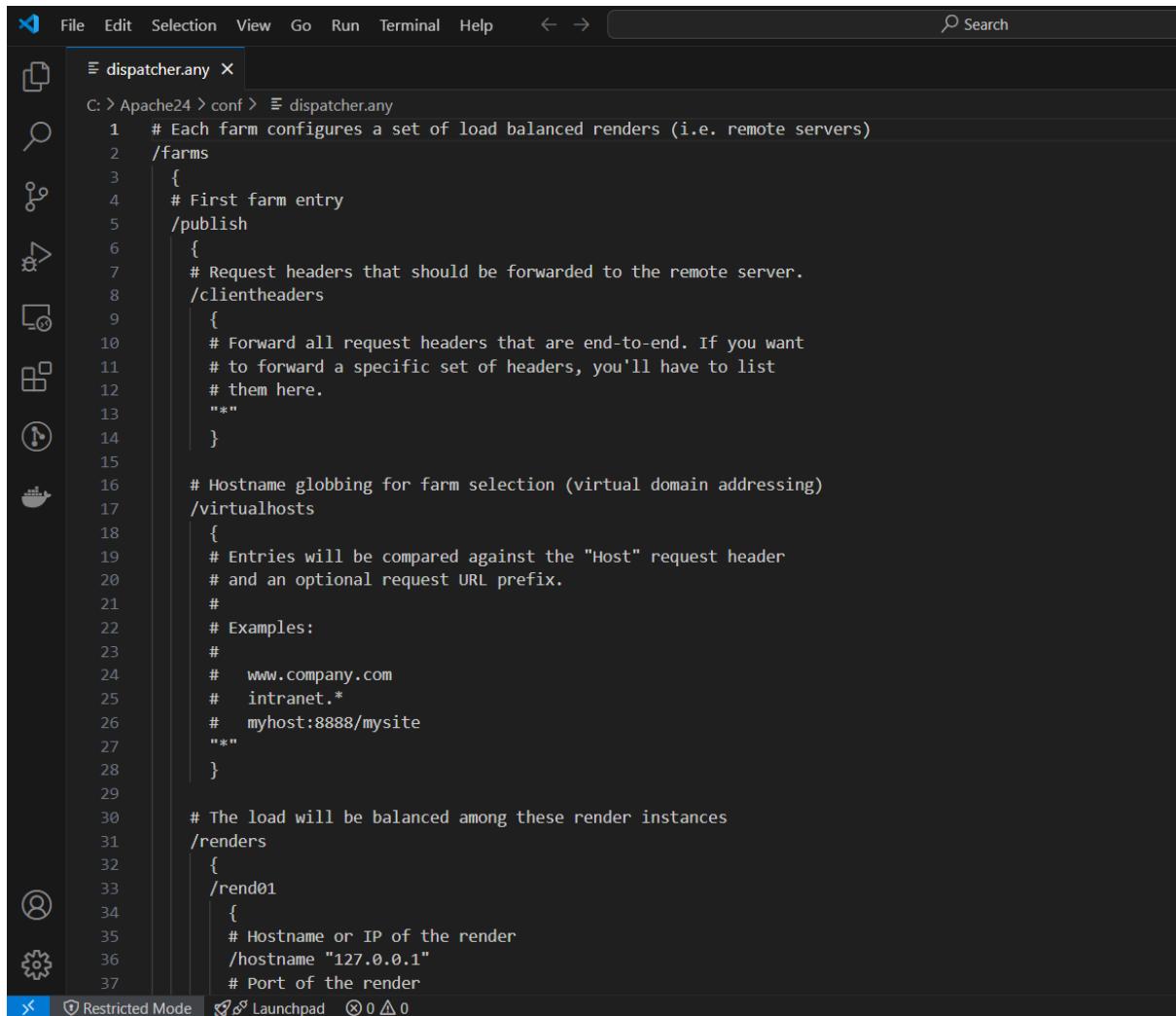
1. **Install Apache HTTP Server** (version 2.4)
2. Download **Dispatcher Module** from [Adobe Dispatcher Downloads](#)
3. Configure dispatcher.any file:
 - o Add docroot, renders, and cache paths
4. Configure httpd.conf
 - o Load dispatcher module
 - o Set up reverse proxy to AEM publish
5. Start the **Apache server** and verify via browser
6. Try accessing: <http://localhost:8080/content/mysite/us/en/about-our-food.html>

Take screenshots of:

- Apache server running
- Dispatcher config
- Page loaded via Dispatcher



It works!



```
C: > Apache24 > conf > dispatcher.any
 1  # Each farm configures a set of load balanced renders (i.e. remote servers)
 2  /farms
 3  {
 4  # First farm entry
 5  /publish
 6  {
 7  # Request headers that should be forwarded to the remote server.
 8  /clientheaders
 9  {
 10 # Forward all request headers that are end-to-end. If you want
 11 # to forward a specific set of headers, you'll have to list
 12 # them here.
 13 "*"
 14 }
 15
 16 # Hostname globbing for farm selection (virtual domain addressing)
 17 /virtualhosts
 18 {
 19 # Entries will be compared against the "Host" request header
 20 # and an optional request URL prefix.
 21 #
 22 # Examples:
 23 #
 24 #   www.company.com
 25 #   intranet.*
 26 #   myhost:8888/mysite
 27 "*"
 28 }
 29
 30 # The load will be balanced among these render instances
 31 /renders
 32 {
 33 /rend01
 34 {
 35 # Hostname or IP of the render
 36 /hostname "127.0.0.1"
 37 # Port of the render
```

✓ Step 5: Start Apache Server

- Open CMD as Admin
- Run:

bash

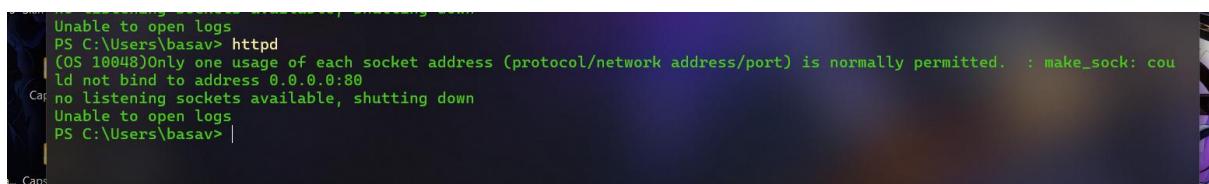
CopyEdit

cd C:\Apache24\bin

httpd.exe

- Make sure there are **no errors**

📸 Take Screenshot: Apache running + Command Prompt showing no errors



```
PS C:\Users\basav> httpd
(OS 10048)Only one usage of each socket address (protocol/network address/port) is normally permitted. : make_sock: cou
ld not bind to address 0.0.0.0:80
no listening sockets available, shutting down
Unable to open logs
PS C:\Users\basav> |
```

