**AEM MSM and Dispatcher Setup – Task Guide**

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**1. MSM Overview: Blueprint, Live Copy, and Rollout**

**MSM (Multi Site Manager):**  
AEM’s MSM feature allows centralized management of multiple websites that share similar content, particularly useful for handling multilingual or region-specific sites.

**Blueprint:**  
This is the main source or master content structure from which other sites derive. Updates made here can be distributed across all related sites.

**Live Copy:**  
Live Copy refers to the duplicated version of the Blueprint. It maintains a link with the original and can include localized or unique content.

**Rollout:**  
This is the action of synchronizing updates from the Blueprint to the Live Copies. It can be done automatically or manually using rollout configurations.

**2. Language Copy**

A language copy is a version of a website adapted for a different language. Unlike a Live Copy, it does not maintain a direct link to the original content and is typically used for translations.

**3. Creating an MSM-Based Site Using us/en as the Source**

**Steps:**

1. Go to AEM > Sites > Create > Site.
2. Choose a language structure beginning with us/en.
3. Set up a **Blueprint Configuration** using us/en as the master.
4. In the Blueprint settings, enable appropriate rollout configurations.
5. Create **Live Copies** for other regions like ca/en, uk/en, and au/en.
6. Use the MSM tools to push changes from the Blueprint to the Live Copies.
7. Experiment with inheritance features—break, modify, and reapply rollouts.

**4. Create & Author a Page**

**Task:**

* Create a new AEM page within the us/en site structure.
* Use **editable templates** and **core components** to design the layout.
* Page should include:
  + A **title** and **banner image**
  + Use relevant content and imagery from the McDonald's page.
* Save and preview the page ensuring layout and styles align with the original.

**5. Dispatcher Setup on Local Environment**

**Steps:**

1. Install **Apache HTTP Server** on your machine.
2. Download and configure the **AEM Dispatcher** module.
3. Set up the **dispatcher.any** file and related configuration files.
4. Link farm files to your AEM **publish** instance.
5. Define **caching rules** and **filter settings**.
6. Test by accessing AEM pages via http://localhost:8080/content/us/en.html.
7. Validate the caching behavior and ensure content invalidation rules work correctly.

