Digital Asset Management (DAM) and Tasks Execution Guide

Understanding Digital Asset Management (DAM) and Its Purpose

Digital Asset Management (DAM) is a system designed to efficiently **store, manage, and distribute digital assets** like images, videos, and documents.

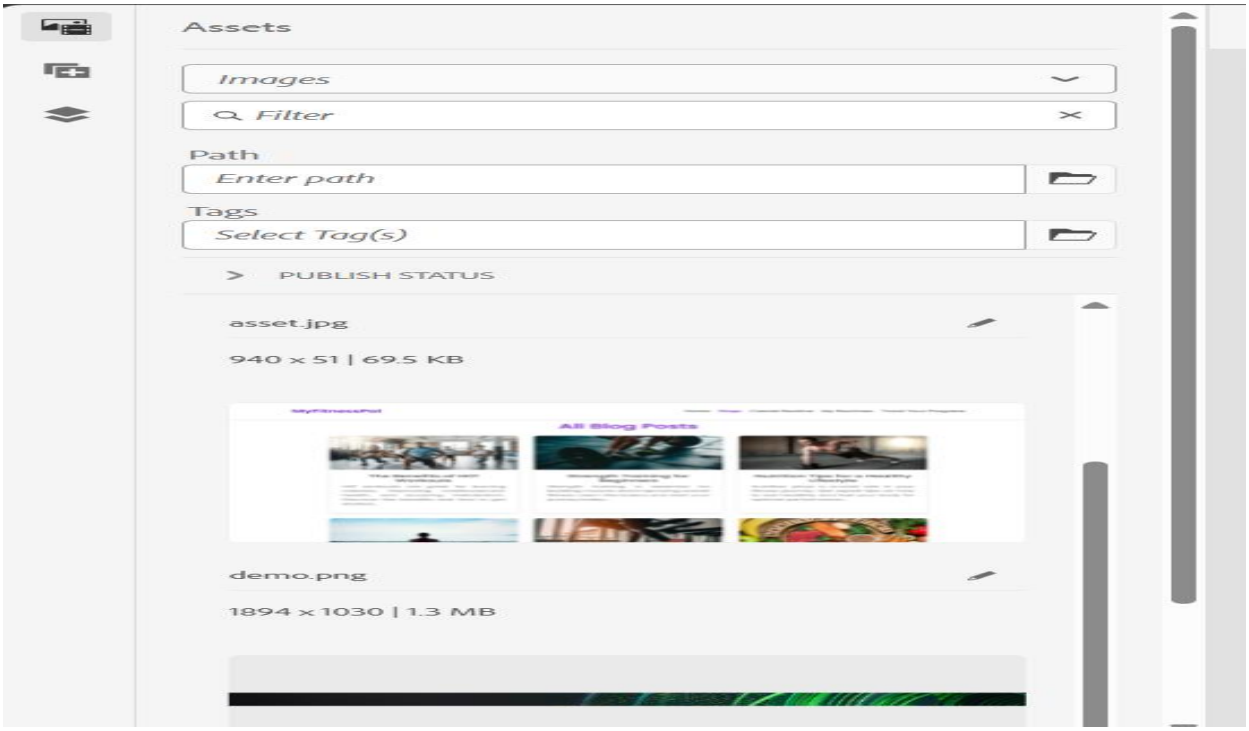
Why Use DAM in AEM?

- **Centralized Storage:** Organizes all digital assets in one place.
- **Easy Access & Reuse:** Enables quick retrieval and repurposing of assets.
- **Optimized Delivery:** Generates renditions for different devices and formats.
- **Version Control & Permissions:** Ensures asset tracking and access management.

Creating a Folder and Uploading Images in DAM

Steps to Follow:

1. **Access DAM:**
    - Navigate to **AEM > Assets > Files**.
2. **Create a Folder:**
    - Create a new folder at: **/content/dam/myTraining/us/en-us**.
3. **Upload Images:**
    - Add **two images** inside the newly created folder.
4. **Use the Images on a Page:**



- Open **AEM Sites** and navigate to a page.
- Drag and drop the **Image Component** onto the page.
- Select the **uploaded images** from DAM and add them to the component.

Understanding Renditions in AEM DAM

Renditions are automatically generated variations of an image in different sizes and formats. They help optimize **asset delivery** for various devices and screen resolutions.

How to Check Renditions:

1. **Go to AEM Assets:** Navigate to **AEM > Assets > Files**.
2. **Select an Image:** Open one of the uploaded images.
3. **View Renditions:** Click on **Renditions** to see the available sizes and formats.

Adding FirstName and LastName Fields in HelloWorld Component

Steps to Implement:

1. **Open Component Editor:** Access the **HelloWorld component** in the **AEM Component Editor**.
2. **Add Input Fields:**
   - **First Name:** firstName
   - **Last Name:** lastName
3. **Modify helloworld.html** to display the values:
4. First Name: ${properties.firstName}
5. Last Name: ${properties.lastName}

Using @ValueMapValue in HelloWorldModel

Steps to Implement:

1. **Modify HelloWorldModel.java** to use @ValueMapValue for fetching properties.
2. **Ensure the model is adapted from Resource.class** so that it retrieves stored values.

Example Code (HelloWorldModel.java):

```
@Model(adaptables = Resource.class)
public class HelloWorldModel {

    @ValueMapValue
    private String firstName;
```

```
    @ValueMapValue
    private String lastName;

    public String getFirstName() {
        return firstName;
    }

    public String getLastName() {
        return lastName;
    }
}
```

Why Use Package Manager? (Creating Packages)

Purpose of Package Manager:

- **Export/Import Components & Assets** between AEM instances.
- **Ensure Consistent Deployment** across environments.
- **Backup Assets & Configurations** for recovery or migration.

Steps to Create Packages:

1. **Create DAM Package (Images)**
    - Go to **AEM > Tools > Deployment > Package Manager**.
    - Click **Create Package**.
    - Name it **DAM-Images-Package**.
    - Add the path: /content/dam/myTraining/us/en-us.
    - **Build and Download** the package.
2. **Create HelloWorld Component Package**
    - Create another package named **HelloWorld-Component-Package**.
    - Add the path: /apps/myTraining/components/helloworld.
    - **Build and Download** the package.

Configure Replication Agent and Publish Page

Steps to Configure Replication Agent:

1. **Navigate to Replication Agents:**

- Go to **AEM > Tools > Deployment > Replication**.
- Select **Agents on Author**.
- Edit the **default replication agent**.
- Set **Transport URI** to http://localhost:4503/bin/receive (assuming default setup).
- Click **Test Connection** and **Save**.

Steps to Publish a Page:

1. Navigate to **AEM > Sites**.
2. Select the page and click **Publish**.

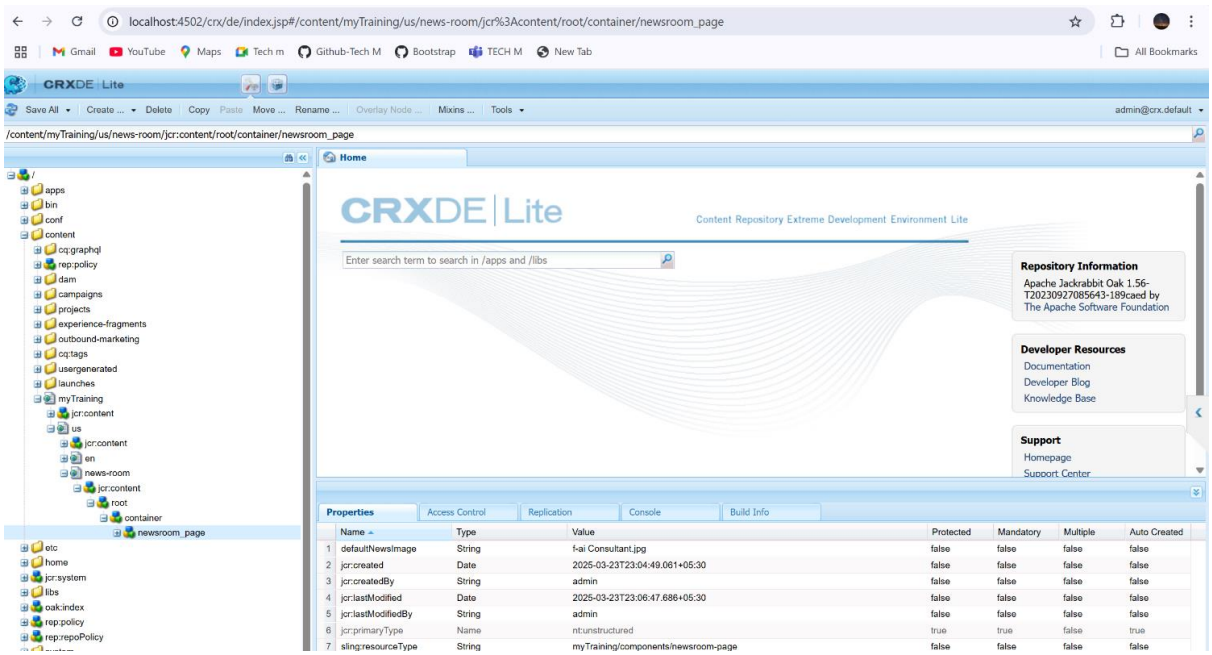
Command for Replication Test:

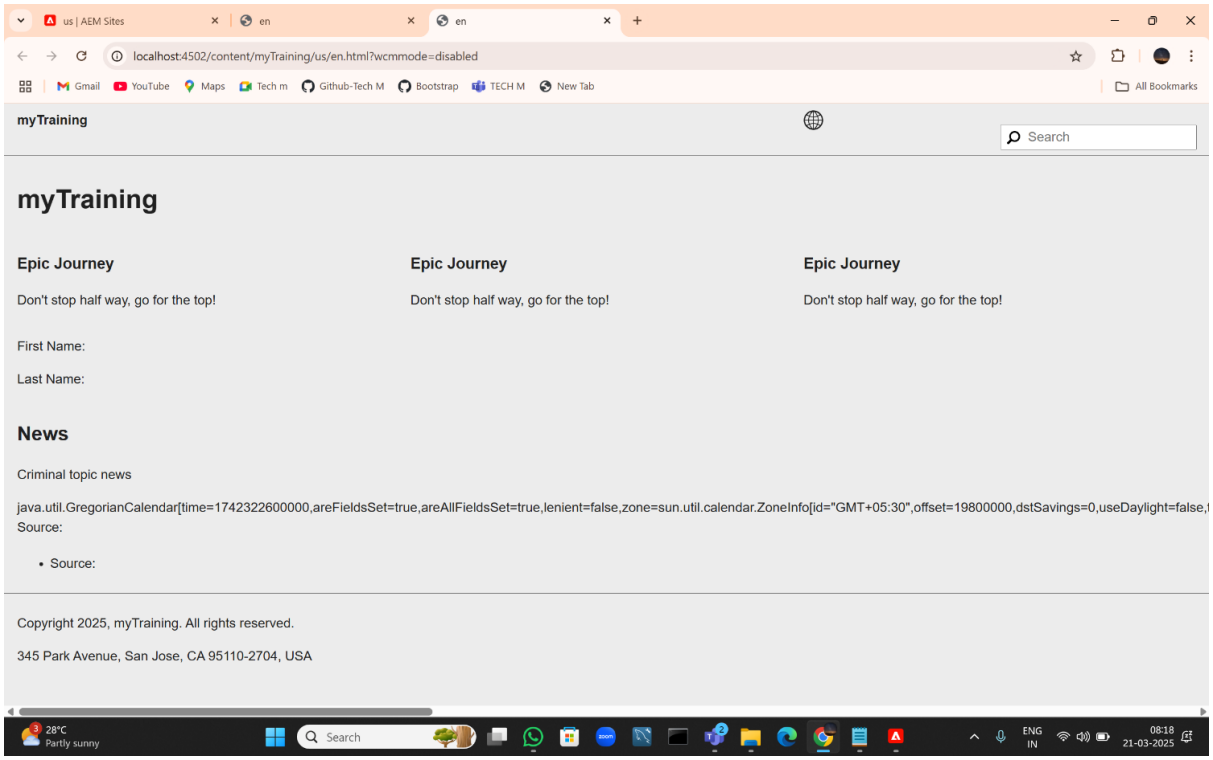
curl -u admin:admin -X POST http://localhost:4502/bin/replicate.json -d "path=/content/my-page&type=activate"

Final Note:

If issues arise, check logs in AEM Error.log (/crx-quickstart/logs)

For further debugging, use AEM Web Console (http://localhost:4502/system/console).

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Gmail
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Bootstrap
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New Tab
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Epic Journey
Don't stop half way, go for the top!
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Epic Journey
Don't stop half way, go for the top!
First Name:
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News
Criminal topic news
java.util.GregorianCalendar[time=1742322600000,areFieldsSet=true,areAllFieldsSet=true,lenient=false,zone=sun.util.calendar.ZoneInfo[id="GMT+05:30",offset=19800000,dstSavings=0,useDaylight=false,
Source:
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Copyright 2025, myTraining. All rights reserved.
345 Park Avenue, San Jose, CA 95110-2704, USA
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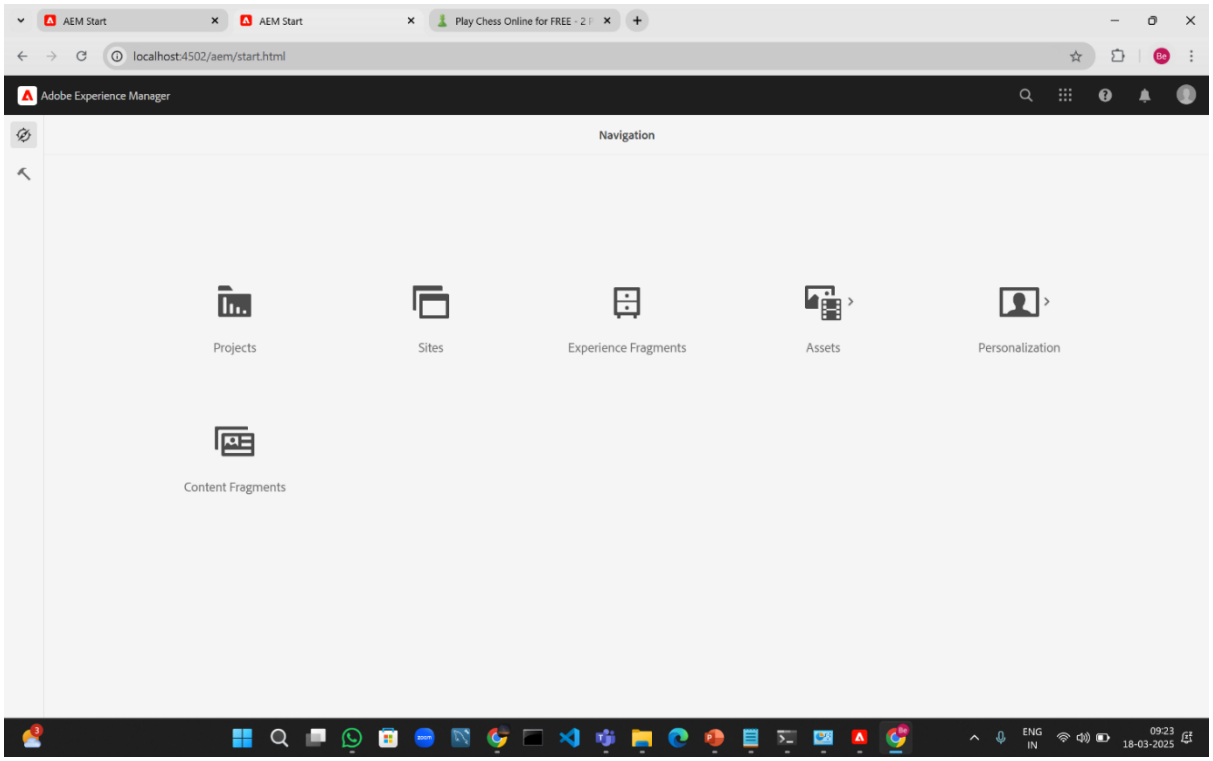
AEM Start
AEM Start
Play Chess Online for FREE - 2
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Adobe Experience Manager
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Projects
Sites
Experience Fragments
Assets
Personalization
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