

19/03/2025 - TASKS

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1. What is DAM and Why We Use It?

Digital Asset Management (DAM) in AEM offers structured storage for managing digital content efficiently.

Steps:

- Access AEM and go to Tools → Assets → DAM.
- Set up a folder for organizing content.
- Upload and manage media assets.
- Configure metadata and permissions.
- Retrieve assets via AEM templates.

2. Create Folder and Upload Images

Steps:

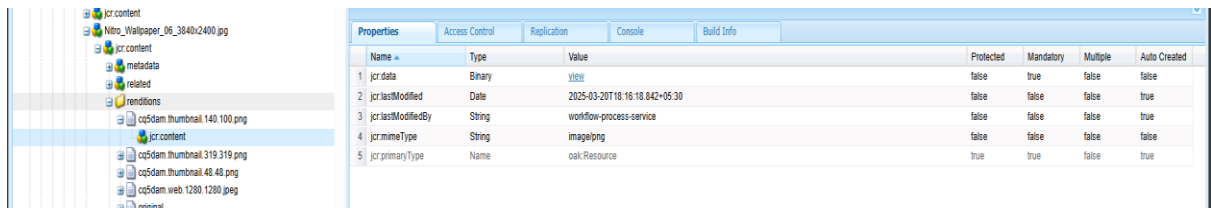
- Open AEM and navigate to Assets.
- Click "Create" → "Folder", name it, and save.
- Enter the folder and click "Upload" to add media files.
- Ensure files are properly tagged for categorization.

3. Check Renditions in AEM

Renditions generate optimized versions of media files for various use cases.

Steps:

- Upload an image to DAM.
- Open the image and switch to the Renditions tab.
- Review the different resolution variations.



4. Modify HelloWorld Component

The HelloWorld component dynamically displays user details.

Steps:

- Open CRXDE Lite (<http://localhost:4502/crx/de>).
- Go to /apps/myProject/components/helloworld.
- Update cq:dialog to include user-specific inputs.

cq:dialog Structure

```
<jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0"
```

```
  xmlns:cq="http://www.day.com/jcr/cq/1.0"
```

```
  xmlns:jcr="http://www.jcp.org/jcr/1.0"
```

```
  jcr:primaryType="nt:unstructured">
```

```
<items jcr:primaryType="nt:unstructured">
```

```
<firstName
```

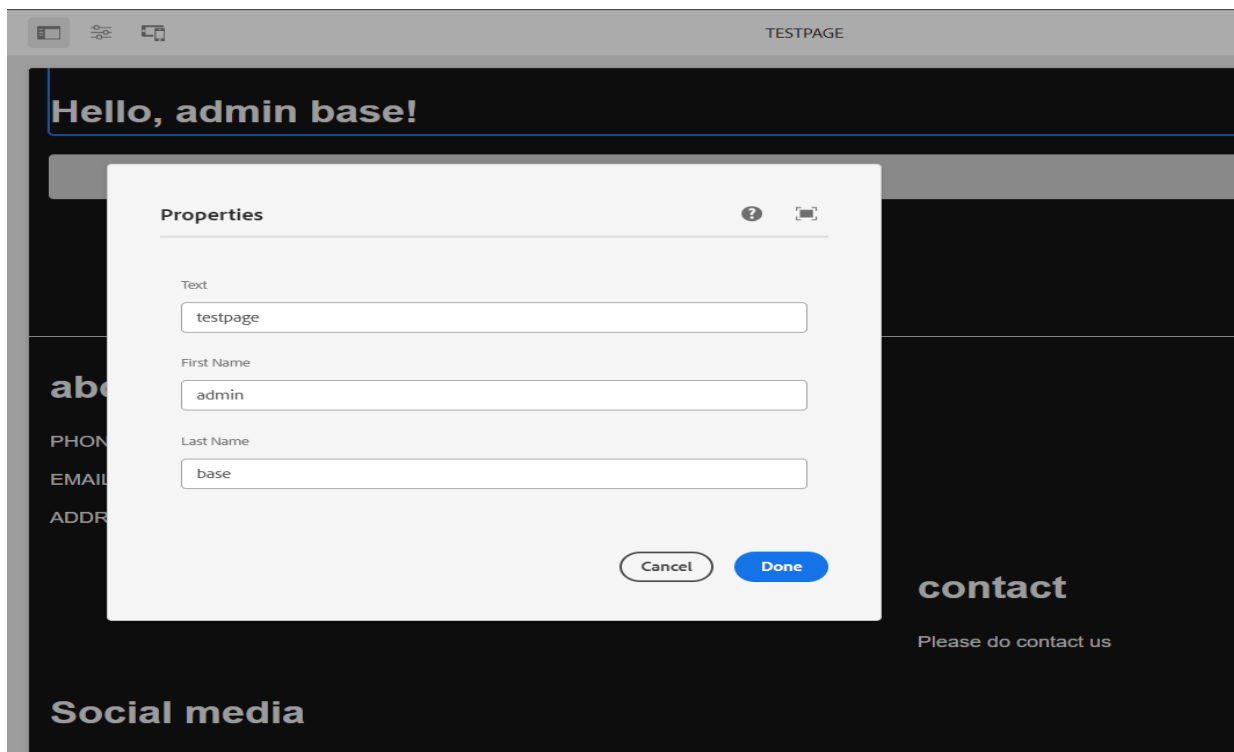
```
  jcr:primaryType="nt:unstructured"
```

```
  sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
```

```

        fieldLabel="First Name"
        name="./firstName"/>
    <lastName
        jcr:primaryType="nt:unstructured"
        sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        fieldLabel="Last Name"
        name="./lastName"/>
</items>
</jcr:root>
helloWorld.html
<div class="hello-world">
    <h1>Hi, ${properties.firstName} ${properties.lastName}</h1>
</div>

```



5. Use @ValueMapValue in HelloWorldModel

Steps:

- Create a Sling Model for HelloWorld.
- Use @ValueMapValue to get firstName and lastName properties.

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; }

}

6. Create AEM Packages Using Package Manager

Steps:

- Launch Package Manager (<http://localhost:4502/crx/packmgr/index.jsp>).
- Click "Create Package" and define the title and group.
- Add the required content paths.
- Build and download the package.

7. Configure Replication Agent & Publish Page

Steps:

- **Open AEM → Tools → Deployment → Replication.**
- **Set up the replication agent for publishing.**
- **Publish a page and confirm it on the live instance.**

