

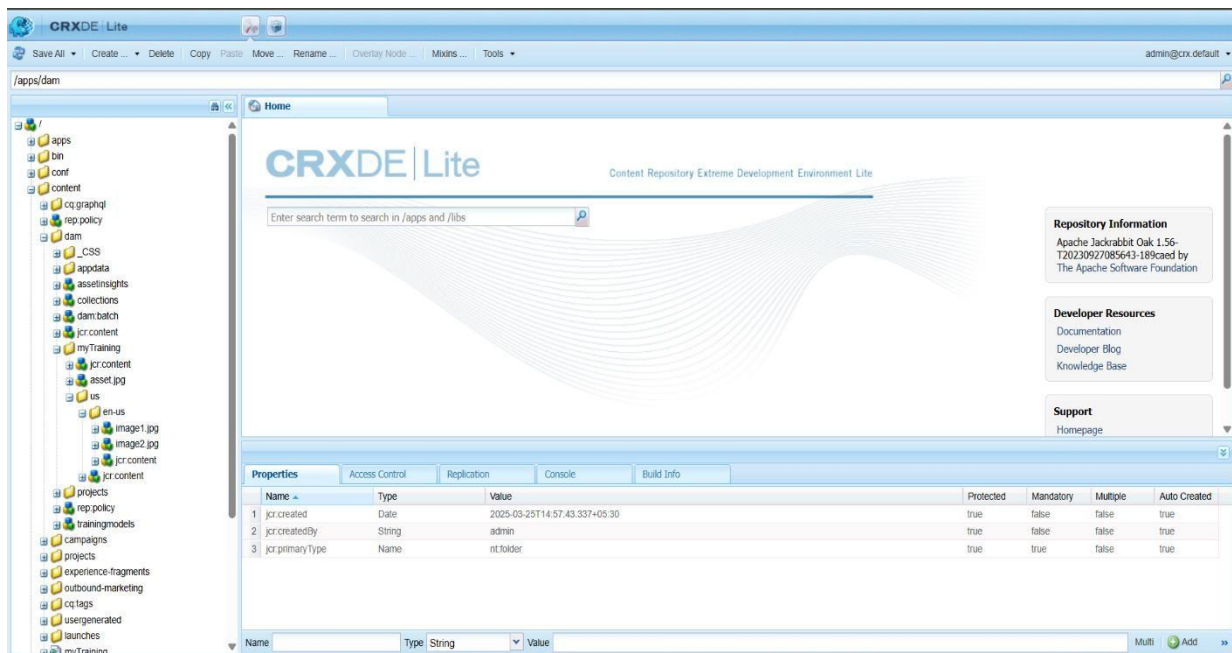
1. What is DAM and why we use it

DAM (Digital Asset Management) in AEM is a system for storing, managing, and delivering digital assets like images, videos, and documents.

Uses:

- Centralized storage
- Version control
- Metadata management
- Easy asset retrieval & publishing

2. Add 2 Images

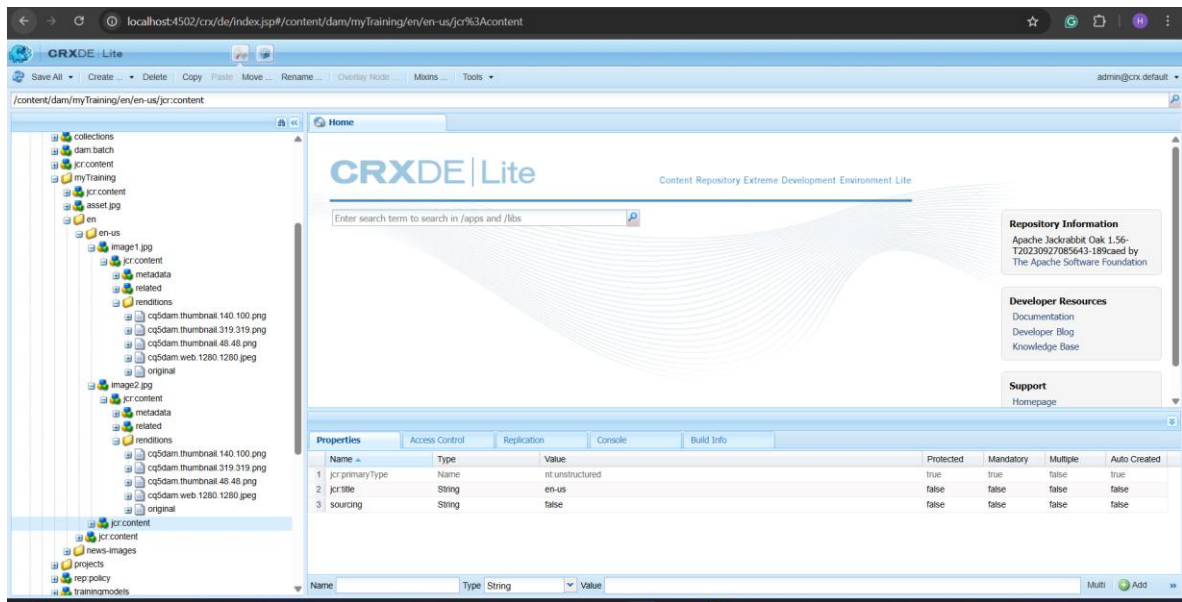


3. What is renditions?

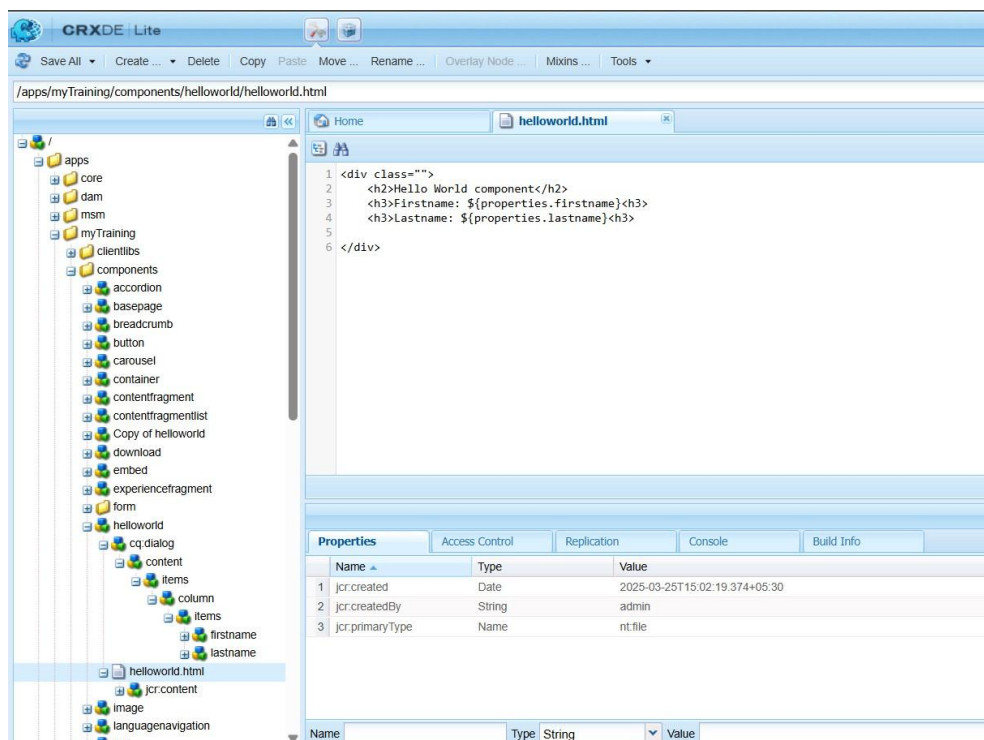
Renditions in AEM DAM are different versions of an asset (e.g., images) automatically generated in various sizes and formats when uploaded.

Advantage

- Optimize images for different devices
- Improve performance
- Ensure consistency across channels



4. Add two fields in hello world component with name FirstName and Last Name



Give try using @ValueMapValue annotation on HelloWorldModel sling java model “com.myTraining.core.models.HelloWorldModel”

The image shows a development environment with two windows. The top window is an IDE (likely Eclipse) displaying the `HelloWorldModel.java` file. The code uses the `@ValueMapValue` annotation for injecting values into the `firstName` and `lastName` fields. The `init()` method logs the initialized values, and the `getMessage()` method returns a formatted string.

```
10 import org.slf4j.LoggerFactory;
11
12 @Model(adaptables = Resource.class) 3 usages
13 public class HelloWorldModel {
14
15     private static final Logger LOG = LoggerFactory.getLogger(HelloWorldModel.class); 1 usage
16
17     @ValueMapValue(name="firstName", injectionStrategy=org.apache.sling.models.annotations.injectorspecific.In
18     @Default(values="No First Name")
19     private String firstName;
20
21     @ValueMapValue(name="lastName", injectionStrategy=org.apache.sling.models.annotations.injectorspecific.Inj
22     @Default(values="No Last Name")
23     private String lastName;
24
25     private String message; 2 usages
26
27     @PostConstruct no usages
28     protected void init() {
29         LOG.info("Initializing HelloWorldModel with First Name: {} and Last Name: {}", firstName, lastName);
30         message = "Hello!\n" + "First Name: " + firstName + "\n" + "Last Name: " + lastName + "\n";
31     }
32
33     public String getMessage() { 1 usage
34         return message;
35     }
36
37     public String getFirstName() { no usages
38         return firstName;
39     }
40 }
```

The bottom window is a web browser (CRXDE Lite) showing the rendered HTML output of the `helloworld.html` file. The HTML uses Sling's `data-sly-use` and `data-sly-test` attributes to inject the model's message and field values.

```
1 <div class="cmp-helloworld" data-cmp-is="helloworld">
2   <h2 class="cmp-helloworld_title">Hello World Component</h2>
3   <div class="cmp-helloworld_item" data-sly-use:model="com.myTraining.core.models.HelloWorldModel" data-sly-test="${model.message}">
4     <p class="cmp-helloworld_item-label">Model message:</p>
5     <pre class="cmp-helloworld_item-output" data-cmp-hook-helloworld="model">${model.message}</pre>
6   </div>
7 </div>
```

Below the HTML editor, the Properties panel shows the following table:

Name	Type	Value	Protected	Mandatory	Multiple	Auto Created
1 jcr:created	Date	2025-03-31T22:41:31.195+05:30	true	false	false	true
2 jcr:createdBy	String	admin	true	false	false	true
3 jcr:primaryType	Name	nt:file	true	true	false	true

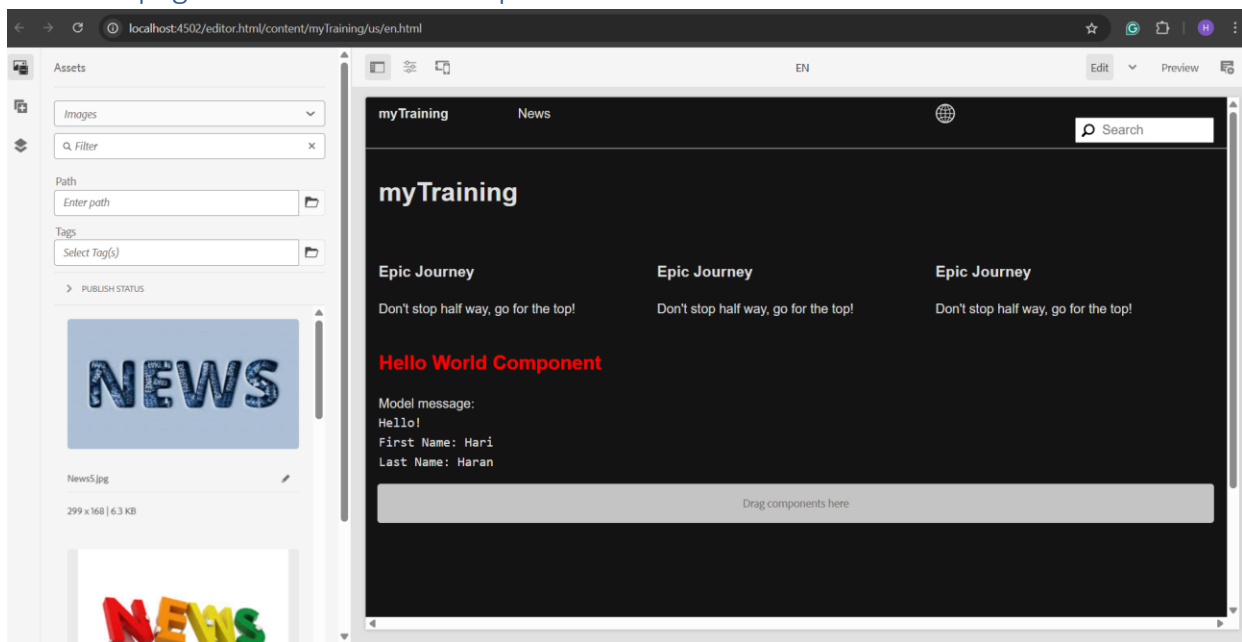
Why we are using package manager and jar?

We use **Package Manager** in AEM to create, install, and deploy content or code packages across AEM environments.

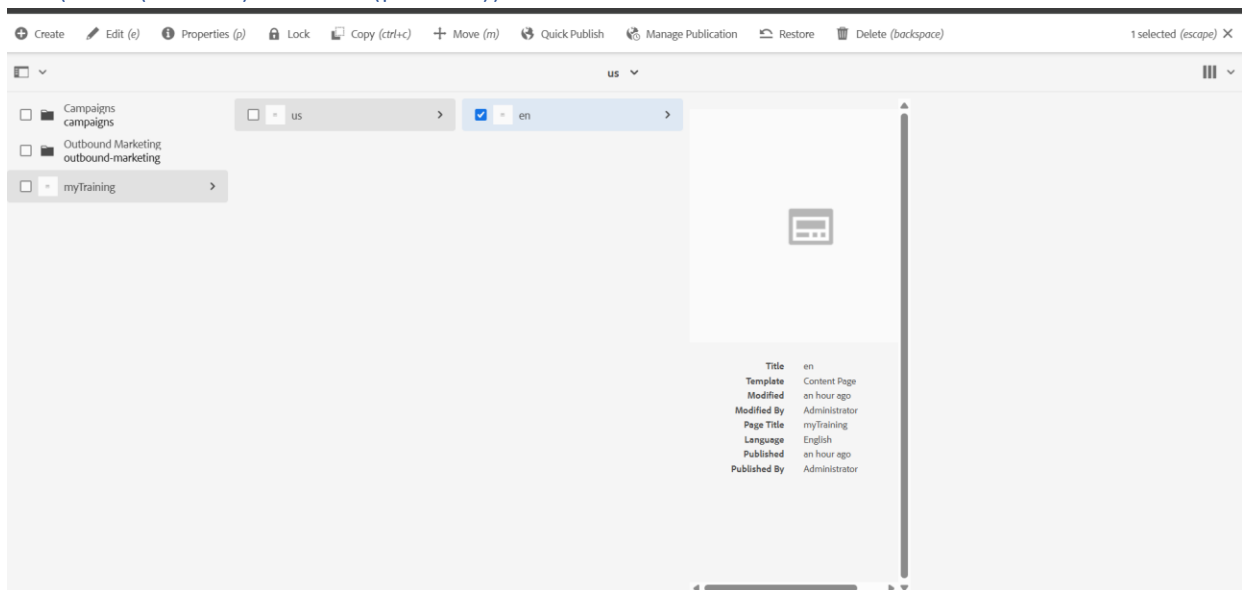
Why create a package for the Hello World Component and 2 images?

1. **Hello World Component** → To move the component (code) between instances (e.g., Dev to QA).
2. **2 DAM Images** → To migrate digital assets easily.

Create a page with helloworld component



7. Configure replication agent and publish the page from author to publish env(4502(author)→4503(publish))



myTraining

Epic Journey

Don't stop half way, go for the top!

Epic Journey

Don't stop half way, go for the top!

Epic Journey

Don't stop half way, go for the top!

Hello World Component

Model message:

Hello!

First Name: Hari

Last Name: Haran

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