

TASK—19.3.2025

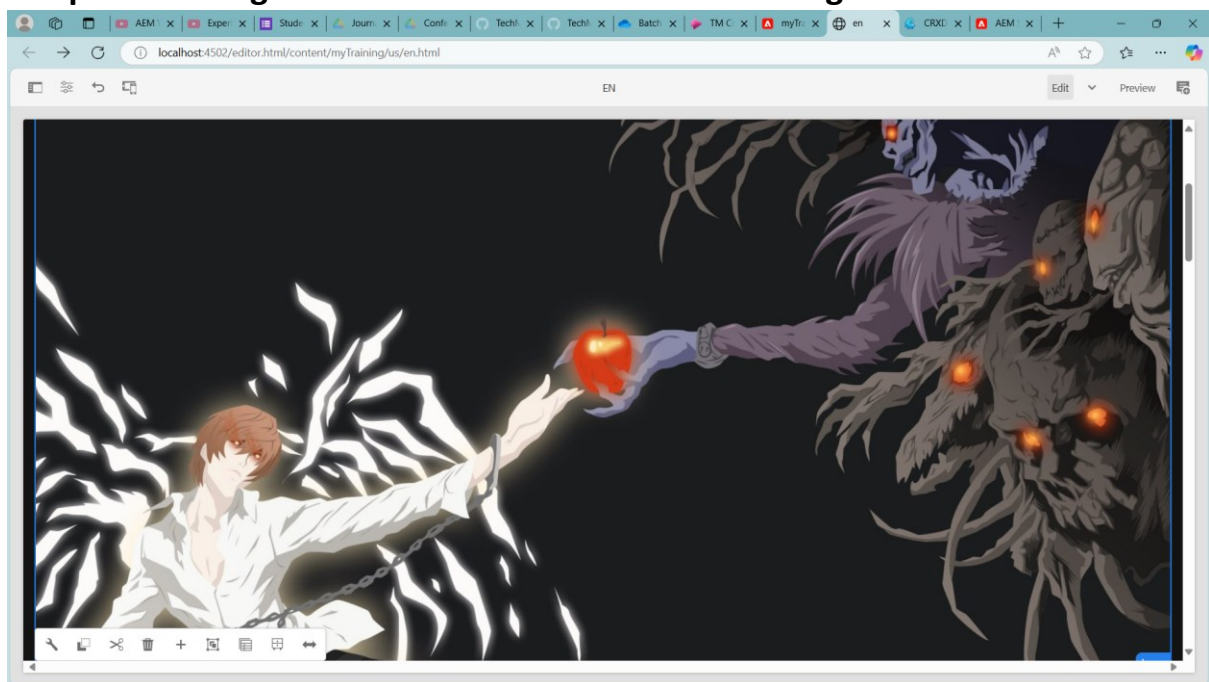
1.What is DAM and why do we use it?

DAM (Digital Asset Management) is a system in AEM used to store, organize, and manage digital assets like images, videos, PDFs, and other media files.

Why do we use DAM?

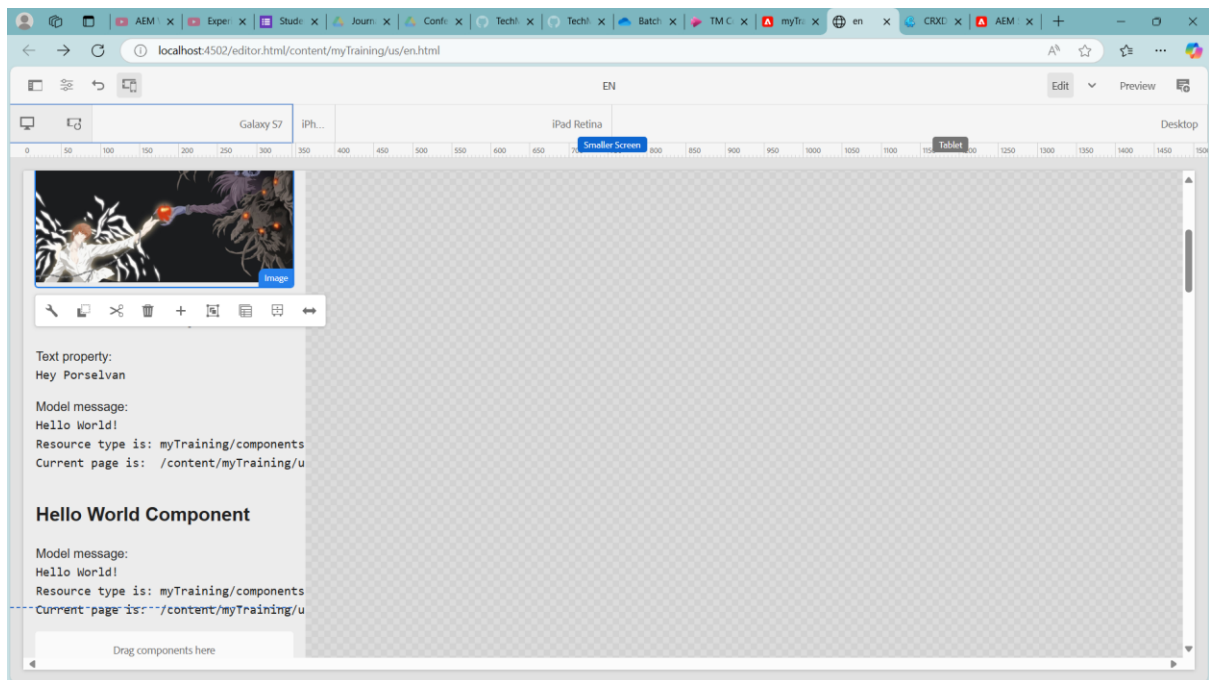
- **Centralized Storage:** Keeps all assets in one place for easy access.
- **Metadata & Search:** Enables searching and filtering based on metadata.
- **Version Control:** Tracks changes and manages different versions of an asset.
- **Workflow & Approvals:** Helps in managing approvals before assets are published.
- **Renditions:** Automatically generates different resolutions/sizes for different devices.

2. Upload 2 images to DAM and Author them on a Page



3. What is Renditions? Check the renditions for the uploaded images

Renditions are automatically generated variations of an image in different resolutions and sizes. They help optimize images for different devices.



4. Use @ValueMapValue in HelloWorldModel (Sling Model)

```
package com.myTraining.core.models;
```

```
import org.apache.sling.api.resource.Resource;
```

```
import org.apache.sling.models.annotations.Default;
```

```
import org.apache.sling.models.annotations.Model;
```

```
import org.apache.sling.models.annotations.injectorspecific.ValueMapValue;
```

```
@Model(adaptables = Resource.class)
```

```
public class HelloWorldModel {
```

```
    @ValueMapValue
```

```
@Default(values = "John")
```

```
private String firstName;
```

```
@ValueMapValue
```

```
@Default(values = "Doe")
```

```
private String lastName;
```

```
public String getFirstName() {
```

```
    return firstName;
```

```
}
```

```
public String getLastName() {
```

```
    return lastName;
```

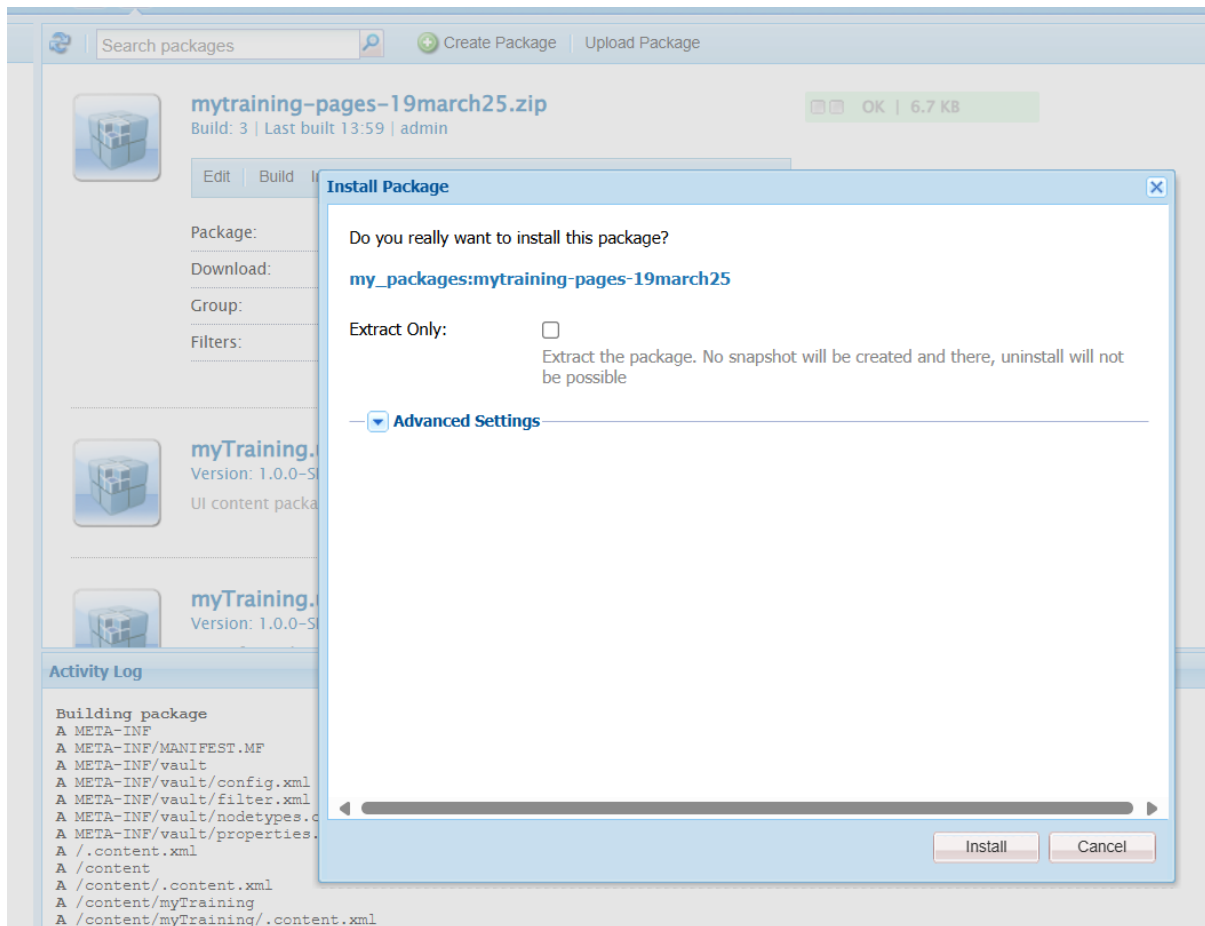
```
}
```

```
}
```

4. Why Use Package Manager & How to Create Packages?

Why Use Package Manager?

- Used to export and import AEM components, assets, and configurations.
- Helps in deploying content across different AEM environments.
- Allows backup of content structures and code.



5. Configure Replication Agent & Publish the Page

1. Navigate to your page in Sites.
2. Click Manage Publication > Publish.
3. The page is now available on <http://localhost:4503/content/your-page.html>.

localhost:4502/etc/replication/agents.author.html

AEM

Agents on author

Default Agent (publish)

Agent that replicates to the default publish instance.

Agent is **enabled**. Replicating to <http://localhost:4503/bin/receive?sling:authRequestLogin=1>

Queue is **idle**

Dispatcher Flush (flush)

Agent that sends flush requests to the dispatcher.

Agent is **disabled**. Replicating to <http://host:port/dispatcher/invalidate.cache>

Queue is **not active**

Agent is triggered when on/offtime reached

Reverse Replication Agent (publish_reverse)

Agent that retrieves reverse replicated content from the default publish instance's outbox.

Agent is **disabled**. Replicating to <http://host:port/bin/receive?sling:authRequestLogin=1>

Queue is **not active**

Agent is ignored on normal replication

Static Agent (static)

Agent that stores a static representation of a node into the filesystem.

Agent is **not valid**. Transport handler not available

Queue is **not active**