

AEM Training - Day 6 Assignment (25-03-2025)

Create a Custom Workflow (my custom workflow:

A custom workflow will be developed in AEM to handle specific tasks.

Steps:

- Navigate to **Tools > Workflow > Models** in AEM.
- Create a new workflow model named **my custom workflow**.
- Add workflow steps to process content.
- Save and activate the workflow.

Create a Custom Workflow Process to Print Page Title in Logs:

An AEM Workflow Process step will be created to log page titles and metadata.

Steps:

- Develop a custom Workflow Process class.
- Extract the page title from the resource.
- Log the title and metadata in the AEM logs.
- Assign the workflow to a page and run it.

Code Snippet (CustomWorkflowProcess.java):

```
@Component(service = WorkflowProcess.class, immediate = true)

public class CustomWorkflowProcess implements WorkflowProcess {

    private static final Logger LOG = LoggerFactory.getLogger(CustomWorkflowProcess.class);

    @Override

    public void execute(WorkItem workItem, WorkflowSession workflowSession, MetaDataMap
    metaDataMap) throws WorkflowException {

        String pageTitle = workItem.getWorkflowData().getPayload().toString();

        LOG.info("Processing page: " + pageTitle);

    }
```

```
}
```

Create an Event Handler in AEM to Print Resource Path in Logs:

An AEM Event Listener will be created to log resource changes.

Steps:

- Create an OSGi Event Listener.
- Listen for resource added, modified, or deleted events.
- Log the resource path in AEM logs.

Code Snippet (EventHandler.java):

```
@Component(service = EventHandler.class)

public class CustomEventHandler implements EventHandler {

    private static final Logger LOG = LoggerFactory.getLogger(CustomEventHandler.class);

    @Override

    public void handleEvent(Event event) {

        LOG.info("Resource changed: " + event.getProperty("path"));

    }

}
```

Create a Sling Job to Print "Hello World" in Logs:

A Sling Job will be scheduled to log a simple message.

Steps:

- Develop a Sling Job class.
- Log the "Hello World" message.
- Trigger the job manually or programmatically.

Code Snippet (SlingJob.java):

```
@Component(service = JobConsumer.class, immediate = true, property =
{JobConsumer.PROPERTY_TOPICS + "=com/gautam/hello"})

public class HelloWorldJob implements JobConsumer {

    private static final Logger LOG = LoggerFactory.getLogger(HelloWorldJob.class);
```

```

    @Override

    public JobResult process(Job job) {

        LOG.info("Hello World from Sling Job");

        return JobResult.OK;

    }

}

```

Create a Scheduler to Print "Hello World" in Logs Every 5 Minutes:

An AEM Scheduler will log a message at regular intervals using a cron expression.

Steps:

- Create a Scheduler using OSGi configuration.
- Set a cron job to run every 5 minutes.
- Log the "Hello World" message.

Code Snippet (Scheduler.java):

```

@Component(service = Runnable.class, immediate = true, property = {
    "scheduler.expression=0 */5 * * * ?"
})

public class HelloWorldScheduler implements Runnable {

    private static final Logger LOG = LoggerFactory.getLogger(HelloWorldScheduler.class);

    @Override

    public void run() {

        LOG.info("Hello World");

    }

}

```

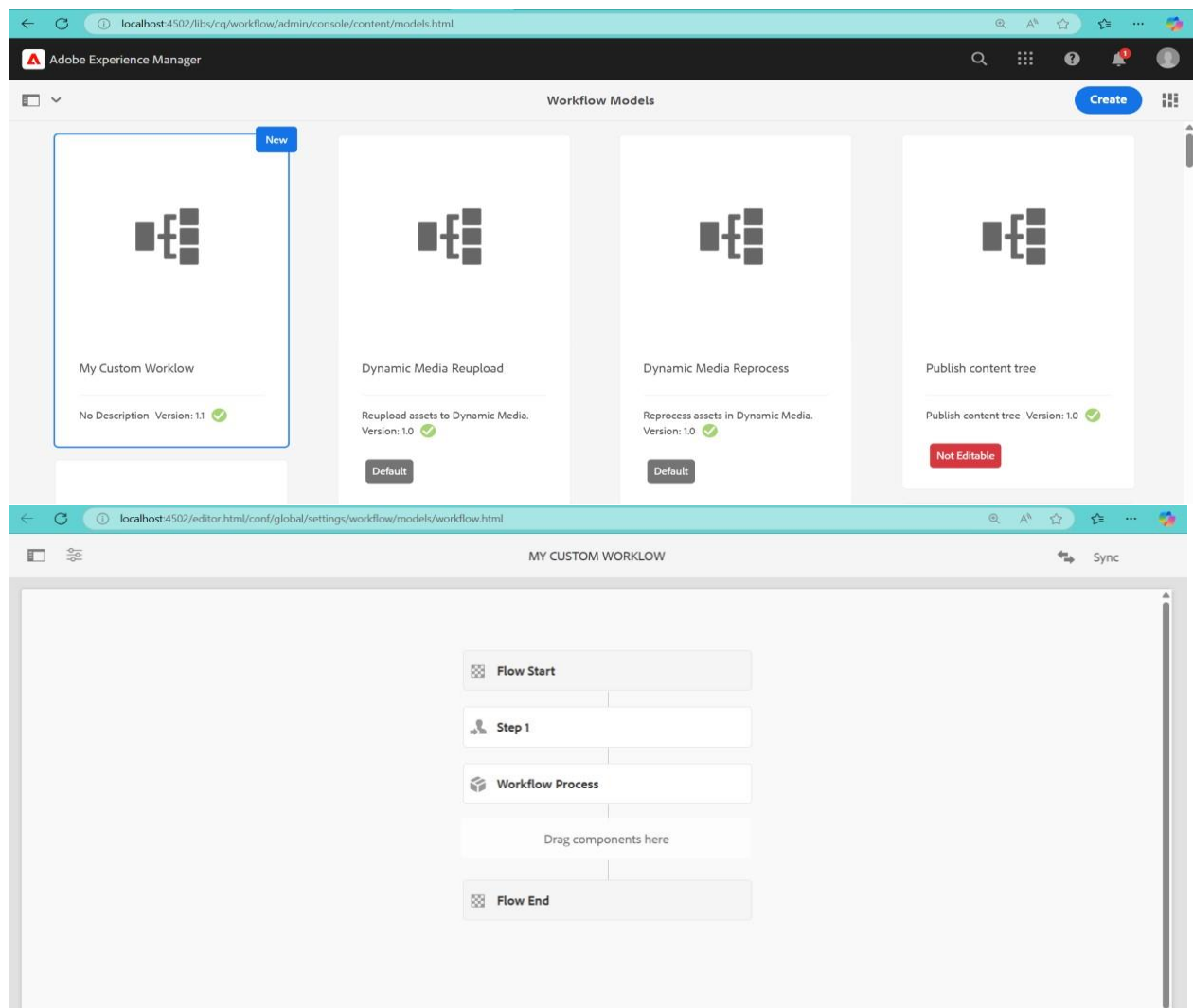
Create 3 Users and Add Them to a Group with Read and Replication Access:

Three users will be created and added to a group with specific permissions.

Steps:

- Navigate to **Tools > Security > Users**.
- Create three users: **user1, user2, user3**.
- Navigate to **Groups** and create a new group **Dev Author**.
- Add all three users to the **Dev Author** group.
- Assign **read-only** access to **/content** and **/dam**.
- Grant **replication** access to the group.

Screenshots:







localhost:4502/security/users.html

Adobe Experience Manager

User Management

Select All>Create

NAME	LOGIN NAME	STATUS	JOB TITLE	PUBLISHED
<input type="checkbox"/>  user-reader-service	user-reader-service	Enabled	N/A	Not Published
<input type="checkbox"/>  user1	user1	Enabled	N/A	Not Published
<input type="checkbox"/>  user2	user2	Enabled	N/A	Not Published
<input type="checkbox"/>  user3	user3	Enabled	N/A	Not Published

Edit Group Settings For Dev Authors

CancelSave & Close

ActivateDeactivate




DetailsMembers

Add Members to this Group

Select User or Group

Type User or Group Name

Group Members

	user1	X
	user2	X
	user3	X