

# TASK-7 CODE

## QUESTION

- 1- Write an event handler that triggers upon the publication of any page in AEM, logging the path of the published page.
- 2- At the Same time when the page is published Servlet has been triggered and showing the logging message.

## ANSWER:

```
package com.adobe.aem.guides.demo.core.listeners;

import java.util.HashMap;
import java.util.Map;

import javax.jcr.Session;

import org.apache.sling.api.resource.LoginException;
import org.apache.sling.api.resource.ModifiableValueMap;
import org.apache.sling.api.resource.PersistenceException;
import org.apache.sling.api.resource.Resource;
import org.apache.sling.api.resource.ResourceResolver;
import org.apache.sling.api.resource.ResourceResolverFactory;
import org.osgi.service.component.annotations.Component;
import org.osgi.service.component.annotations.Reference;
import org.osgi.service.event.Event;
import org.osgi.service.event.EventConstants;
import org.osgi.service.event.EventHandler;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

import com.day.cq.replication.ReplicationAction;

@Component(service = EventHandler.class, immediate = true,
    property = {
        EventConstants.EVENT_TOPIC + "=" + ReplicationAction.EVENT_TOPIC
    }
)
public class HemanthHandlerJuly implements EventHandler {
    private static final Logger log = LoggerFactory.getLogger(HemanthHandlerJuly.class);
```

@Reference

**private** WorkflowService workflowService;

@Reference

**private** ResourceResolverFactory resolverFactory;

@Override

**public void** handleEvent(Event event) {

    log.info("Handle my trigger");

    handleReplicationEvent(event);

        triggerServlet(event);

}

**private void** handleReplicationEvent(Event event) {

    ReplicationAction action = ReplicationAction.fromEvent(event);

    String path = action.getPath();

    log.info("Content activated at path: {}", path);

}

private void triggerServlet(Event event) {

    // String servletUrl = "http://localhost:4502/bin/demohandle"; // Replace with your servlet  
URL

    // try (CloseableHttpClient httpClient = HttpClients.createDefault()) {

    //     HttpGet request = new HttpGet(servletUrl);

    //     try (CloseableHttpResponse response = httpClient.execute(request)) {

    //         log.info("Servlet triggered with status: {}",

response.getStatusLine().getStatusCode());

    //         log.info("servlet triggered sucessfully");

    //     }

    //     } catch (IOException e) {

    //         log.error("Error triggering servlet", e);

    //     }

    // }

}

## Published Path

```
*C:\Users\Devi\Desktop\AEM\Author\crx-quickstart\logs\wknd3.log - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
wknd3.log new 17 new 18 new 19 new 20 June.log error.log workflow.log new 21
1 em.guides.demo.core.listeners.PageCreation Page creation event triggered
2 em.guides.demo.core.listeners.PageCreation Page creation event triggered
3 em.guides.demo.core.listeners.PageCreation Page creation event triggered
4 em.guides.demo.core.listeners.PageCreation Page creation event triggered
5 em.guides.demo.core.listeners.PageCreation Page creation event triggered
6 em.guides.demo.core.listeners.PageCreation Page creation event triggered
7 em.guides.demo.core.listeners.PageCreation Page creation event triggered
8 em.guides.demo.core.listeners.PageCreation Page creation event triggered
9 em.guides.demo.core.listeners.PageCreation Page creation event triggered
10 em.guides.demo.core.listeners.PageCreation Page creation event triggered
11 .adobe.aem.guides.demo.core.listeners.HemanthHandlerJuly Handle my trigger
12 .adobe.aem.guides.demo.core.listeners.HemanthHandlerJuly Content activated at path: /content/Demo/us/en/AboutUs
13
14
```

## Published Page

