

TASK-8 CODE

QUESTION

When you publish any page in AEM, the event handler should trigger, logging the path of the published page and adding the property (changed Boolean true) to that path.

ANSWER :

EVENT HANDLER CODE FOR ADDING THE PROPERTY (CHANGED BOOLEAN TRUE)

```
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);
    }

    private void handleReplicationEvent(Event event) {
        ReplicationAction action = ReplicationAction.fromEvent(event);
        String path = action.getPath();
        log.info("Content activated at path: {}", path);
        // startWorkflow(path);
        addPropertyToPage(path);
    }

    private void addPropertyToPage(String pagePath) {
        Map<String, Object> param = new HashMap<>();
        param.put(ResourceResolverFactory.SUBSERVICE, "hemanth");
        try (ResourceResolver resolver =
        resolverFactory.getServiceResourceResolver(param)) {
            String jcrContentPath = pagePath + "/jcr:content";
            Resource resource = resolver.getResource(jcrContentPath);
            if (resource != null) {
                ModifiableValueMap properties =
                resource.adaptTo(ModifiableValueMap.class);
            }
        }
    }
}

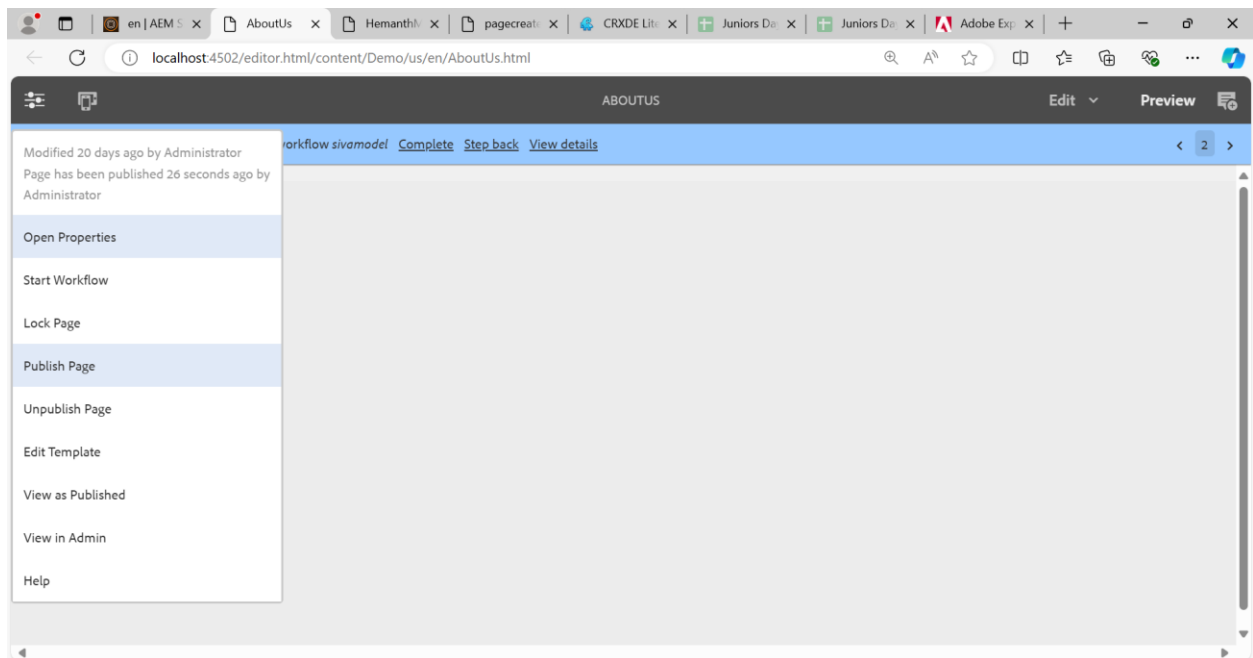
```

```

    if (properties != null) {
        properties.put("changed", true);
        resolver.commit();
        log.info("Property 'changed' set to true for: {}", jcrContentPath);
    }
} else {
    log.warn("Resource not found at path: {}", jcrContentPath);
}
} catch (LoginException e) {
    log.error("LoginException while adding property", e);
} catch (PersistenceException e) {
    log.error("PersistenceException while adding property", e);
} catch (Exception e) {
    log.error("Exception while adding property", e);
}
}
}

```

PUBLISHED PAGE



PUBLISHED PATH

```
*C:\Users\Dell\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
```

PROPERTY ADDED

en | AEM | AboutUs | Hemanth | pagecreat | CRXDE Lite | Juniors De | Juniors De | Adobe Exp |

localhost4502/crx/de/index.jsp#/content/Demo/us/en/Navi/jcr%3Acontent

CRXDE Lite

Save All | Create | Delete | Copy | Paste | Move | Rename | Overlay Node | Mixins | Tools | Administrator@crx.default

/content/Demo/us/en/Navi/jcr:content

Home

contactus

jcr:content

shilvawfconne

jcr:content

root

Navi

jcr:content

root

aboutus

privacy

contactus

Terms

anu

jcr:content

root

article

capstone

cap

auth

engine

dkskj

workflowpage

hemululvaunche

CRXDE | Lite

Content Repository Extreme Development Environment Lite

Enter search term to search the repository

Repository Information

Apache Jackrabbit Oak 1.22.13 by

Properties

Access Control

Replication

Console

Build Info

Name	Type	Value	Protected	Mandatory	Multiple	Auto Created
cq:template	String	/conf/Demo/settings/wcm/templates/page-content	false	false	false	false
cq:lastReplicationAction	String	Activate	false	false	false	false
cq:lastReplicatedBy	String	hemanth	false	false	false	false
cq:lastReplicated	Date	2024-07-11T12:54:00.579+05:30	false	false	false	false
cq:lastModifiedBy	String	admin	false	false	false	false
cq:lastModified	Date	2024-06-26T18:01:52.166+05:30	false	false	false	false
changed	Boolean	true	false	false	false	false

Name | Type String | Value | Multi Add