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Exam Questions AD0-E116

Adobe Experience Manager Developer Expert

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NEW QUESTION 1
A developer is installing a content package with the package manager. The developer needs to restrict the approximate number of nodes in a batch that is saved to persistent storage in one transaction.
How should the developer modify the number of transient nodes to be triggered until automatic saving?

A. AEM instances automatically modify the number of transient nodes based on the load balancing.
B. Modify the export package manifest header and copy the content package to AEM installation folder.
C. Select the option MergePreserve for the Access Control Handling drop-down in the Install Package dialog-box.
D. Change the value of Save Threshold in theInstall Package dialog-box.

Answer: D

Explanation:
https://helpx.adobe.com/ro/experience-manager/kt/sites/using/gettingstarted-wknd-tutorial-develop/part1.html

NEW QUESTION 2
A custom bundle of an application is in state "Installed" after deploying it with Maven. What should a developer do to change it to state "Active"?

A. Use the "Start" action for the bundle in the Apache Felix Web Console
B. Ensure all OSGi requirements are met and re-deploy using Maven
C. Use the "Update" action for the bundle in the Apache Felix Web Console
D. Reinstall the content package using the package manager

Answer: B

NEW QUESTION 3
A developer must create a workflow step that assigns a 'WorkItem' to the appropriate person based on who has the least amount work to do.
The group that must perform the action is configured into the workflow.
Which non-deprecated interface should the Java implementation class use to perform the assignment?

A. com.adobe.granite.workflow.exec.ParticipantStepChooser
B. com.day.cq.workflow.exec.ParticipantChooser
C. com.day.cq.workflow.exec.WorkItem
D. com.adobe.granite.workflow.exec.WorkflowData

Answer: A

NEW QUESTION 4
After adding new features, a developer'senvironment is experiencing slowness before ultimately running out of memory. The initial log analysis points towards a large number of open sessions.
Which action should the developer take to further monitor the overall session count on this AEM instance?

A. Run the following command to generate thread dumps jstack -l <pid> >> threaddumps.log, analyze thread dumps to find long running sessions.
B. Go to Web Console > Status > Threads, verify the overall thread count.
C. Go to Tools > Operations > Monitorin
D. Create a new report based on Number of Active Sessions as metric.
E. Go to <aem-install>/crx-qiuckstart/logs/strderr/log, use the following command grep -o 'CRXSessionImpl' strderr.log| wc -l.

Answer: D

NEW QUESTION 5
A developer is working on a project locally and needs to install packages manually. The deployments to the localhost must be automated to speed up development. This functionality must be toggled on and off, depending on the needs of the developer.
Which step should the developer take to achieve this?

A. Configure the maven install plugin by defining the target URL, username and password as maven properties.
B. Add a maven profile and configure the content package maven plugin within this profile
C. Write a script that does a PUT call to AEM each time maven builds a new package
D. Run maven with the deploy phas
E. Maven will install the package on all local AEM instances running without further configuration

Answer: B

NEW QUESTION 6
A developer running a local AEM instance and working on an AEM project needs to change a largenumber of files locally in filesystem. The developer needs to get the changes uploaded to the local AEM instance to verify changes almost immediately in the browser.
What action should the developer take to most efficiently meet these requirements?

A. Build a Content Package using maven and deploy it after each change
B. Access CRXDE and upload the files through the interface
C. Make the changes in CRXDE, create a content package, download it and expand it into the working directory after each change
D. Install FileVault bundle in the AEM instance and register the local working directory for synchronization

Answer: D

NEW QUESTION 7
A service component periodically retrieves content from an external REST interface and saves the information in JCR. The REST endpoint is configured via an OSGi service property. There is one URL for production (runmode prod) and another URL for all other environments.
How should a developer configure the OSGi service?

A. Underneath /apps/<project>/settings, create the sub folders global and prod and node with name<PID>.conf each and configure the properties via node properties.
B. Underneath /config/<project>/settings, create the sub folders config.default and config.prod and a file with the name <PID>.config each and list the properties as key value pairs in there.
C. Underneath /apps/<project>, create the sub folders config and config.prod and a file with the name<PID>.config each and list the properties as key value pairs in there.
D. Underneath /config/<project>/settings, create the sub folders config and config.prod and a file with the name <PID>.config each and list the properties as key value pairs in there.

Answer: C

NEW QUESTION 8
Which log file contains AEM application request and response entries?

A. response.log
B. request.log
C. history.log
D. audit.log

Answer: B

NEW QUESTION 9
In which maven build phase is the content package assembled?

A. install
B. compile
C. package
D. deploy

Answer: C

NEW QUESTION 10
A developer creates the following code snippet to implement a simple polling importer to fetch stock prices from anexternal source:

```java
JAVA
package com.adobe.training.core.core;
...
@Component(immediate=true,
enabled=true,
service = Importer.class,
property = {
                    Importer.SCHEME_PROPERTY + "=stock"
}
)
public class StockDataImporter implements Importer {
            private final Logger logger = LoggerFactory.getLogger(getClass());
            private final String SOURCE_URL = 'https:// query.mystocks.com/v7/finance/quote?symbols=";
            private static final String LASTTRADE = "lastTrade";
            @Reference
            private SlingRepository repo;
            @Override
            public void importData(final String scheme, final String datasource, final Resource resource)
                    throws ImportException {
                    try {
                            ParseJson parseJson = new ParseJson();
                            String lastTrade = parseJson.loadJson(SOURCE_URL+dataSource);
                            writeToRepository(dataSource, lastTrade, resource);
                    }
            catch(Exception e) {
                            logger.error("Exceprion" e);
                    }
            }
            private void writeToRepository(final String stockSymbol, final String lastTrade, final Resource resource) throws
RepositoryExceprion {
                    Session session= repo.loginService(null, repo.getDefaultWorkspace());
                    Node parent = resource.adaptTo(Node.class);
                    Node stockPageNode = JcrUtil.createPath(parent.getPath() +"/" + stockSymbol, "cq:Page",
                                        session);
                    Node lastTradeNode = JcrUtil.createPath(stockPageNode.getPath() + "/lastTrade", "nt:unstructured",
session);
                            lastTradeNode.setProperty(LASTTRADE, lastTrade);
                    session.save();
                    session.logout();
            }}
```

The polling importer needs to fetch stock prices for a specific stock symbol and needs to be triggered every 5 minutes.
Which node structure should the developer create in CRX to make sure that the code shown is executed successfully?

A

```
+/apps/system/config/com.adobe.training.core.core.StockDataImporter [sling:O
sgiConfig]
        -SCHEME_PROPERTY:"stock"
        -source: "ADBE"
        -target: "/content"
        -interval: 5
```

B

```
+/apps/system/config/com.adobe.training.core.core.StockDataImporter [sling:O
sgiConfig]
        -sling:resourceType: com.adobe.training.core.core.StockDataImporter
        -SCHEME_PROPERTY: "ADBE"
        -target: "/content"
        -interval: 5
```

C

```
+/etc/importers/polling/stock
        -jcr:mixinTypes: [ "cq:PollConfig"]
        -source: "stock:ADBE"
        -interval: 300
        -target: "/content"
```

D

```
+/etc/importers/polling/stock
        -sling:resourceType: com.adobe.training.core.core.StockDataImporter
        -stock: "ADBE"
        -interval: 300
-target: "/content"
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

Explanation:

```
7 lines (7 sloc)   326 Bytes                          Raw  Blame  History  🖥  ✏  🗑

1   <?xml version="1.0" encoding="UTF-8"?>
2   <jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0" xmlns:cq="http://www.day.com/jcr/cq/1.0" xmlns:jcr="http://www.jc
3       jcr:mixinTypes="[cq:PollConfig]"
4       jcr:primaryType="sling:Folder"
5       interval="{Long}300"
6       source="stock:ADBE"
7       target="/content"/>
```

NEW QUESTION 10
A custom AEM application is using the PageManager API.
What should a developer add to make the application compile and run correctly in AEM?

A. a maven dependency to AEM uber-jar to the content package
B. a maven dependency tobundle cq-wcm-core to the application bundle
C. a maven dependency to AEM uber-jar to the application bundle
D. a maven dependency to bundle cq-wcm-api to the content package

Answer: C

NEW QUESTION 15
A developer needs to ensure that the path /content/<proj>/segments exists on all environments with the correct initial content that the developerprovides in a package. Content that exists in that path should NOT be affected.
Which import mode should the developer use in the filter definition?

A. update
B. merge
C. replace
D. optional

Answer: B

NEW QUESTION 17
A developer needs to configure sets of values according to the following parameters:
- Varies for different staging environments
- Varies for different content paths
-Diffets between author and publish
Which implementation strategy should the developer use to meet these requirements?

A. A context aware configuration with buckets using an OSGi configuration
B. One OSGi configuration for the set of values with runmodes
C. A customcloud condifuration
D. A JCR property at the content root node of the site with inheritedPageProperties

Answer: A

NEW QUESTION 18
A developer is working on the following Sling Model that is being used in a component.
@Model(adaptables = SlingHttpServletRequest.class, defaultInjectionStrategy = DefaultInjectionStrategy.OPTIONAL)
public class SampleModel {
@Inject
private Page currentPage; private boolead matchingTitle;
@PostConstruct private void init(){
matchingTitle = title.equals(currentPage.getName());
}
public boolean isMatchingTitle(){ return matchingTitle;
}
}
The model must check if the configured value of the jct:title property for the component matches the same name of the current page. If the jcr:title property of the component has NOT been configured, then isMatchingTitle() must return false.
How should the developer inject the title property in this model?

A. "@ValueMapValue@Via(""jcr:title"")@Requiredprivate String title;"
B. "@ValueMapValue@Named(""jcr:title"")@Default(values = """") private String title;"
C. "@ValueMapValue@Named(""jcr:title"")@Requiredprivate String title;"
D. "@ValueMapValue@Via(""jcr:title"")@Default(values = """") private String title;"

Answer: B

NEW QUESTION 22
A developer needs to change the label "Sites" in the navigation of AEM author to "Websites". Which action should the developer take to achieve this?

A. Change the code of/libs/granite/ui/components/shell/clientlibs/shell/js/globalnav.js to display the new value
B. Create a new node /apps/cq/core/content/nav/sites and update the property jcr:itle
C. Modify the code of /libs/granite/ui/components/shell/globalnav/overlay/overlay.jsp to display the new value
D. Modify the node /libs/cq/core/content/nav/sites by updating the jcr:title property

Answer: B

NEW QUESTION 25
A developer needs an existing workflow to run only when pages are created under a certain folder. What should the developer create to achieve this?

A. A Launcher with the field path pointing to the folder and condition field and have thevalue jcr:content/jcr:primaryType==cq:Page
B. A Launcher with the field condition that has the value jcr:content/page
C. A Launcher with the field exclude that has the value jcr:nodeType==cq:Page
D. A Launcher with the field path pointing to the folder and nodetype field have the value cq:Page

Answer: D

NEW QUESTION 29
A developer needs to install a content package on an AEM environment. However a content package with the same name is already installed.
What would be the safest way for the developer to install the content package to make sureonly the changes of the new content package get applied?

A. Upload the content package to the CRX Package Share before installing it
B. Use the "Force Upload" option when uploading the new content package
C. Uninstall the existing content package before installingthe new content package
D. Install the content package using the OSGi web console

Answer: C

NEW QUESTION 31
How should a developer enable remote debugging of anAEM server without modifying the AEM start script?

A. Enable the remote debugging service through the AEM Cloud Services menu.
B. Rename the quickstart jar file to include the additional debug settings.
C. Enable the remote debugging servicethrough the AEM Web Console.
D. Include an additional JVM parameter when starting AEM with java -jar.

Answer: B

NEW QUESTION 34
How should a developer configure the replication agent to flush the dispatcher cache for a newlyactivated page?

A. Create a dispatcher flush agent in publish instance
B. Create a reverse replication agent on the author instance
C. Create a new replication agent and set transport URI to point to the dispatcher
D. Set the serialization type property of the defaultagent to dispatcher flush

Answer: A

NEW QUESTION 37
A developer is working on an HTL script for a custom component. The script has the following requirements:
* This script must list the title of every child page of the current page.
* If a child page does not have any children, then its title should link directlyto that page.
* If a child page has children, then the title of every one of its children should be listed be-neath its title.
* The title of every grandchild page should link directly to that page. Which HTL script should the developer use to meet these requirements?

A

```
<ul data-sly-list.child-"${currentPage.listChildren}">
    <li>
        <sly data-sly-test.grandchildren="${child.listChildren}">
            <b>${child.title}</b>
            <ul data-sly-list.grandchild="${grandchildren}">
                <li>
                    <a href="${grandchild.path @ extension = 'html'}">$
{grandchild.title}</a>
                </li>
            </ul>
        </sly>
        <sly data-sly-test="${!grandchildren}">
            <a href="${child.path @ extension = 'html'}">${child.title}</a>
        </sly>
    </li>
</ul>
```

B

```
<ul data-sly-list.child-"${currentPage.listChildren}">
    <li>
        <sly data-sly-test.grandchildren="${child.listChildren}">
            <b>${child.title}</b>
            <ul data-sly-list.grandchild="${grandchildren}">
                <li>
                    <a href="${grandchild.path}">${grandchild.title}</a>
                </li>
            </ul>
        </sly>
        <sly data-sly-test="${!grandchildren}">
            <a href="${child.path}">${child.title}</a>
        </sly>
    </li>
</ul>
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 38
Which environment variable in the AEM start script should a developer modify to enable remote debugging?

A. CQ_RUNMODE
B. CQ_JVM_OPTS
C. CQ_PORT
D. CQ_HOST

Answer: B

NEW QUESTION 39
A custom AEM application contains Bundle A and Bundle B. Bundle A has a dependency to Bundle B via Import-Package.
How can both bundles be deployed most efficiently across all environments?

A. Use the Felix Web Console to upload the bundles in the correct order.
B. Create one content package per bundle and use a package dependency to ensure installation order.
C. Embed both bundles in one content package and use property 'installationOrder' in package properties for correct bundle installation order.
D. Embed both bundles in one content package: the dependency via Import-Package is enough to ensure correct installation.

Answer: D

NEW QUESTION 44
A developer installs the latest Service pack to a local AEM author instance. How should the developer install this package on the publish instance?

A. Replicate from package manager of publish instance
B. Use upload/install from OSGi console of publish instance
C. Replicate from package manager of author instance
D. Use upload/install from OSGi console of author instance

Answer: C

NEW QUESTION 48
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