



Adobe

Exam Questions AD0-E116

Adobe Experience Manager Developer Expert

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NEW QUESTION 1

An application runs specific license checks against certain DAM assets every day. It should send an email to a configured list if it finds warnings, and mark the asset accordingly. A service component that uses the Apache Sling Scheduler Service is created. DAM assets that must NOT be used anymore are hidden using ACLs and the license check must re-check them.

How should a developer obtain a resource resolver that can read and update the DAM assets?

- A. Set up a cron job with curl calls with the admin user and use `request.getResource().getResourceResolver()`.
- B. Create a configuration line in PID `com.day.cq.security.ACLSetup` for the user that you obtain a session for via `ResourceResolverFactory.getResourceResolver(...)`.
- C. Configure the user admin in PID `org.apache.sling.serviceusermapping.impl.ServiceUserMapperImpl` as `user.default` and make sure the service user exists and has `jr:read` and `jr:write` permissions.
- D. Create a configuration for PID `org.apache.sling.serviceusermapping.impl.ServiceUserMapperImpl.amended-damaccess` that references a pre-created service user with `r/w` permissions and use `ResourceResolverFactory.getServiceResourceResolver(...)`.

Answer: C

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

One content package of a custom application contains the following content paths.

```
/apps/myproj/install
/apps/myproj/components
/apps/myproj/i18n
```

The server also contains the content path `/apps/myproj/configuration` that must NOT be touched when installing the package.

Which two filter definitions should a developer use to always update only the contained paths upon installation in the server? (Choose two.)

A

```
<filter root="/apps/myproj">
  <exclude pattern="configuration.*"/>
</filter>
```

B

```
<filter root="/apps/myproj">
  <include pattern=".*"/>
  <exclude pattern="configuration.*"/>
</filter>
```

C

```
<filter root="/apps/myproj">
  <exclude pattern="/apps/myproj/configuration.*"/>
</filter>
```

D

```
<filter root="/apps/myproj" mode="merge">
```

E

```
<filter root="/apps/myproj">
  <include pattern="/apps/myproj/(install|components|i18n).*/>
</filter>
```

A. Option A

- B. Option B
- C. Option C
- D. Option D
- E. Option E

Answer: CD

NEW QUESTION 4

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 5

Which xml tag is used within the vault package definition to add a new path to a content package?

- A. <path>
- B. <filter>
- C. <content>
- D. <rule>

Answer: B

NEW QUESTION 6

A custom application contains a service component com.proj.ServiceComponent. A developer needs to configure the string value name and integer value intVal. The actual configuration must be deployed using a content package. What should the developer do to meet these requirements?

- A. "Use a file com.proj.ServiceComponent.cfg with content name=""Service name""intVal=|""5"""
- B. "Use a file com.proj.ServiceComponent.config with content name=""Service name""intVal=|""5"""
- C. "Use a file com.proj.ServiceComponent.xml with content<?xml version=""1.0"" encoding=""UTF-8""?><jcr:root jcr:primaryType=""slings:OsgiConfig"" name=""Service Name""intVal=""5""/>"
- D. "Use a file com.proj.ServiceComponent.xml with content<?xml version=""1.0"" encoding=""UTF-8""?><jcr:root xmlns:jcr=""http://www.jcp.org/jcr/1.0"" jcr:primaryType=""slings:OsgiConfig"" name=""Service Name""intVal=""{Integer}5""/>"

Answer: B

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

Too many pages are invalidated in the dispatcher cache when a page is published. What is most likely causing this issue in the dispatcher configuration?

- A. Sticky session are NOT configured properly, resulting in requests being delivered to the wrong server.
- B. The level of cache invalidation is NOT appropriate for the published content model.
- C. File globbing in the dispatcher configuration is NOT correct.
- D. The OS file system permissions are NOT properly configured.

Answer: B

NEW QUESTION 9

The dependency of an AEM project fails when a developer configures using Apache Maven. Refer to the error information below.

```
INFO]----- [ERROR] COMPILATION ERROR : [INFO] -----[ERROR]
/training/core/src/main/java/com/adobe/training/core/listeners/SimpleResourceListener.java:[18,28] package org.apache.sling.api does not exist
[ERROR] /training/core/src/main/java/com/adobe/training/core/filters/LoggingFilter.java:[26,28] package org.apache.sling.api does not exist
[ERROR] /training/core/src/main/java/com/adobe/training/core/filters/LoggingFilter.java:[27,31] package org.apache.sling.engine does not exist
[ERROR] /training/core/src/main/java/com/adobe/training/core/models/HelloWorldModel.java:[22,37] package org.apache.sling.api.resource does not exist
[ERROR] /training/core/src/main/java/com/adobe/training/core/models/HelloWorldModel.java:[25,33] package org.apache.sling.api.settings does not exist
```

[ERROR] /training/core/src/main/java/com/adobe/training/core/models/HelloWorldModel.java:[31,13] cannot find symbol
symbol: class SlingSettingsService
location: class com.adobe.training.core.models.HelloWorldModel
What should a developer add to the pom.xml to fix the Maven build?

- A. "<dependency><groupId>com.adobe.aem</groupId><artifactId>aem-api</artifactId><version>6.4.0</version><classifier>apis</classifier><scope>provided</scope></dependency>"
- B. "<dependency><groupId>com.adobe.aem</groupId><artifactId>uber-jar</artifactId><version>6.4.0</version><classifier>apis</classifier><scope>provided</scope></dependency>"
- C. "<resources><resource><directory>src/main/content/jcr_root</directory><filtering>>false</filtering><excludes><exclude>*/.vlt</exclude><exclude>*/.vltignore</exclude><exclude>libs</exclude></excludes></resource></resources>"<repositories><repository><id>adobe-public-releases</id><name>Adobe Public Repository</name><url>https://repo.adobe.com/nexus/content/groups/public/</url><layout>default</layout></repository></repositories>"
- D. <repository><id>adobe-public-releases</id><name>Adobe Public Repository</name><url>https://repo.adobe.com/nexus/content/groups/public/</url><layout>default</layout></repository></repositories>"

Answer: B

NEW QUESTION 10

A custom AEM application has a run time dependency to a third party OSGi bundle that is NOT included in out-of-the-box AEM. The third party dependency needs to be available for multiple applications and be upgraded separately from the custom AEM application. How should a developer make sure that the bundle is installed on all environments?

- A. Add the dependency to the third party bundle in pom.xml of the project bundle
- B. Embed the third party bundle in the bundle that depends on it
- C. Embed the bundle in a content package to have it automatically deployed
- D. Declare the dependency correctly using a link to the OSGi Bundle Repository (OBR)

Answer: C

NEW QUESTION 10

A developer is creating a custom method. This method must return a String property y from child x. the method must use only Sling APIs. How should the developer retrieve property y of node x, and node x may or may NOT exist?

A

```
String y = ((ValueMap<String, String>) resource.getChild("x").getValueMap()).get("y", "");
```

B

```
String y = null;
Resource x = resource.getChild("x");
if (null != x) {
    ValueMap<String> map = x.getValueMap();
    if (null != map) {
        y = map.get("y", "");
    }
}
```

C

```
String y = null;
Node x = node.getNode("x");
if (null != x) {
    Properties<String, String> properties = x.getProperties();
    if (null != properties) {
        y = properties.get("y", "");
    }
}
```

D

```
String y = null;
Node x = node.getNode("x");
if (null != x) {
    ValueMap<String, String> map = x.getValueMap();
    if (null != map) {
        y = map.get("y", "");
    }
}
```

A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: D

NEW QUESTION 14

In which maven build phase is the content package assembled?

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

Answer: C

NEW QUESTION 18

A developer needs to create a component with the following requirements:

- * The component must be configurable
- * The component should be editable, NOT removable
- * An author should be unable to add the component to a page through design mode

A

```
+ component
- jcr:primaryType="cq:Component"
- jcr:title="Component"
- componentGroup=".hidden"
+ cq:dialog
...
+ cq:editConfig
  - cq:actions = "[edit]"
```

B

```
+ component
- jcr:primaryType="cq:Component"
- jcr:title="Component"
- cq:actions = "[edit]"
+ cq:dialog
...
```

C

```
+ component
- jcr:primaryType="cq:Component"
- jcr:title="Component"
- componentGroup=".hidden"
- cq:actions = "[edit]"
+ cq:dialog
...
```

D

```
+ component
- jcr:primaryType="cq:Component"
- jcr:title="Component"
- hidden="true"
+ cq:dialog
...
+ cq:editConfig
  - cq:actions = "[edit]"
```

Which mode structure should the developer use to meet these requirements?

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

Answer: A

NEW QUESTION 21

A developer is working on a complex project with multiple bundles. One bundle provides an OSGi service for other bundles. Which two options are necessary to ensure that the other bundles can reference that OSGi service? (Choose two.)

- A. The bundles consuming the service need to import the fully qualified name of the service interface.
- B. The bundle providing the service needs to contain an adequate SCR descriptor file.
- C. The bundle providing the service needs to export the java package of the service interface.
- D. The bundle providing the service needs to contain a whitelist of allowed consumer bundles.
- E. The service needs to correctly declare metatype information.

Answer: AC

NEW QUESTION 25

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 to bundle 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 28

A developer creates Editable Templates based on a custom Page component. The developer wants to leverage the Style System within the Editable Templates to allow authors to switch between the Dark and Light Theme. The Style System dialog is NOT enabled for the site. What should the developer do to resolve this issue?

- A. Define Style Definitions using PagePolicy dialog on Editable Template.
- B. Create two new client libraries with a dark and light theme and map them to the Page component.
- C. Set the sling:resourceSuperType property to core/wcm/components/page/v2/page on the Page component.
- D. Create a new dialog for the custom Page components.

Answer: B

NEW QUESTION 32

A developer identifies that some requests for the page /content/sampleproject/page.html take longer than other requests for the same page. Refer to the \$DOCROOT/content/sampleproject directory below. [user@group /opt/dispatcher/cache/content/sampleproject] \$ ks -la total

```
drwxr-xr-x. 5 apache apache 4096 Feb 11 11:41 .
drwxr-xr-x. 3 apache apache 4096 Nov 29 16:07 ..
drwxr-xr-x. 4 apache apache 4096 Feb 7 03:21 page.html
-rw-r--r--. 1 apache apache 0 Feb 7 03:19 .stat
```

The dispatcher.log file contains the following lines:

```
[Wed Feb 13 13:14:04 2012] [D] [1376(1572)] checking [/libs/cq/security/userinfo.json]
```

```
[Wed Feb 13 13:14:04 2012] [D] [1376(1572)] Caching disabled due to query string: tracking_id=1350373444666
```

```
[Wed Feb 13 13:14:04 2012] [D] [1376(1572)] cache-action for [/libs/cq/security/userinfo.json]: None
```

How should the developer make sure that the page is always cached?

- A. "Modify the dispatcher.any file to contain the following lines:/filter{.../0023 { /type ""allow"" /url ""/content/*/*.html?tracking_id=*"" }...}"
- B. "Modify the dispatcher.any file to contain the following lines:/rules{.../0000 { /glob ""*"" /type ""allow"" /params ""tracking_id"" }...}"
- C. "Modify the dispatcher.any file to contain the following lines:/ignoreUriParams{.../0002 { /glob ""tracking_id"" /type ""allow"" }...}"
- D. "Modify the dispatcher.any file to contain the following lines:/filter{.../0023 { /type ""allow"" /url ""/content/*/*.html"" /params ""tracking_id"" }...}"

Answer: C

NEW QUESTION 35

A developer needs to configure sets of values according to the following parameters:

- Varies for different staging environments
- Varies for different content paths
- Differs 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 configuration
- D. A JCR property at the content root node of the site with inheritedPageProperties

Answer: A

NEW QUESTION 39

A developer creates a Sling Servlet. The Sling Servlet is bound to a path (/service/sling/sample). Refer to the resulting code below.

```
@Component (immediate=true, service = {Servlet.class})
```

```
@SlingServletPaths(value = {"/service/sling/sample"})
```

What should the developer do to make this servlet access controlled using the default ACLs?

- A. Add @SlingServletPrefix (value = "/apps") annotation
- B. Use @SlingServletResourceTypes instead of @SlingServletPaths
- C. Modify @SlingServletPaths(value = {"/bin/sling/sample"})
- D. Add @SlingServletName(servletName = "AccessControlServlet") annotation

Answer: B

NEW QUESTION 44

A developer determines that the dispatcher is NOT refreshing the cached page/content/sampleproject/sample.html after it is updated.

The dispatcher.any contains the following entries:

```
/cache
{
/docroot "/opt/dispatcher/cache"
/statfile "/tmp/dispatcher-website.stat"
/statfileslevel "2"
/rules
{
/0000 { /glob "*" /type "allow" }
}
/invalidate
{
/0000 { /glob "*" /type "deny" }
}
}
```

Refer to the \$DOCROOT directory below: [user@group /opt/dispatcher/cache]\$ ls -la total 2

```
drwxr-xr-x. 5 apache apache 4096 Feb 11 11:41 .
```

```
drwxr-xr-x. 3 apache apache 4096 Nov 29 16:07 ..
```

```
drw-r--r--. 4 root root 4096 Feb 7 03:21 content
```

```
-rw-r--r--. 1 apache apache 0 Feb 7 03:19 .stat
```

The dispatcher needs to cache the page and refresh it after it gets updated. What action should the developer take to meet these requirements?

- A. Add the entry /0001 { /glob "*.html" /type "allow" } in the /invalidate section
- B. Change the value of the entry /statfileslevel to "3"
- C. Delete the contents of the DOCROOT directory
- D. Remove /statfile or/statfileslevel

Answer: A

NEW QUESTION 49

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 sure only 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 installing the new content package
- D. Install the content package using the OSGi web console

Answer: C

NEW QUESTION 50

A developer needs to create a new component called "Component A". Component A must show a list of other components that all have a resource type of existing "Component B". Component A must render this list of tiles for each Component B where the tile rendering is different from the default one. The list of rendered tiles must be reusable by future new components.

How should the developer implement this functionality?

- A. Create a script for tile rendering in Component B and use data-sly-resource attribute with a Sling selector in Component A to render the tile.
- B. Component A overlays Component B and overwrites the base renderer to facilitate the tiles.
- C. Component A inherits from Component B and overwrites the base renderer to facilitate the tiles.
- D. Component A calls the HTL of Component B directly using a data-sly-include attribute.

Answer: A

NEW QUESTION 53

How should a developer enable remote debugging of an AEM 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 service through the AEM Web Console.
- D. Include an additional JVM parameter when starting AEM with java -jar.

Answer: B

NEW QUESTION 56

A developer is working with the following HTL expression in a component rendering script:

```
`${path/page.infinity.json} @extension = 'html', removeSelectors = ['foo'],  
selectors = ['foo', 'bar'], prependSuffix = 'hello', suffix = 'world' }
```

What is the expected output of this expression?

- A. path/page.foo.bar.html/hello/world
- B. path/page.infinity.json.bar.html/world
- C. path/page.bar.html/hello/world
- D. path/page.bar.html/world

Answer: C

NEW QUESTION 61

A developer wants to extend AEM Core Components to create a custom Carousel Component. How should the developer extend the Core Components?

- A. Make changes to the original component and assign a component group.
- B. Use the sling:resourceSuperType property to point to the core component.
- C. Use the sling:resourceType property to point to the core component.
- D. Copy the Core Carousel component to /apps/<project> folder.

Answer: B

NEW QUESTION 65

The following stack trace is written in the error.log file after installing a custom application package. Could not start bundle com.adobe.cq.sample-bundle [526].

Reason: {}. Will retry. org.osgi.framework.BundleException: Unable to resolve com.adobe.cq.sample-bundle [526](R 526.0):

missing requirement [com.adobe.cq.sample-bundle] osgi.wiring.package

What are two different ways that the developer could resolve the OSGi bundle dependency error? (Choose two)

- A. Go to the Dependency Finder in the System Console to find if another bundle is exporting a similar version of the classes and change the project pom.xml to match the same version
- B. Install the jar in AEM via the curl command 'curl -u username:password -F file=@"/com.example.customlib-3.8.jar" -F name="Dependency" -F force=true -F install=true http://localhost:4502/crx/packmgr/service.jsp --progress-bar -o upload.txt'
- C. Create a folder named "deploy" under \$AEM_HOME/crx-quickstart/ and copy com.example.customlib-3.8.jar in there so AEM uploads it automatically
- D. Go to the project parent pom.xml file and add the dependency with the scope "compile" and instruct the bundle plugin to include the dependency in runtime
- E. Upload the file com.example.customlib-3.8.jar into /apps/<project>/libs folder in CRX DE to make it available for the OSGi bundle

Answer: AD

NEW QUESTION 68

How should a developer configure the replication agent to flush the dispatcher cache for a newly activated 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 default agent to dispatcher flush

Answer: A

NEW QUESTION 72

Which log file should a developer use to search for exception stacktraces?

- A. <aem-install>/crx-quickstart/logs/error.log
- B. <aem-install>/crx-quickstart/logs/request.log
- C. <aem-install>/crx-quickstart/logs/access.log
- D. <aem-install>/crx-quickstart/logs/info.log

Answer: A

NEW QUESTION 77

A Client-Side Library has the category "library.example".

Which HTL statement should a developer use to reference only the CSS files of this Client-Side library

- A. <sly data-sly-use.clientlib="/libs/granite/sightly/templates/clientlib.html" data-sly-call="{clientlib.css@ categories='library.example'}"/>
- B. <sly data-sly-use.clientlib="/libs/granite/sightly/templates/clientlib.html" data-sly-call="{clientlib.css@ category='library.example'}"/>
- C. <sly data-sly-use.clientlib="/libs/granite/sightly/templates/clientlib.html" data-sly-call="{clientlib.all@ type='css' categories='library.example'}"/>
- D. <sly data-sly-use.clientlib="/libs/granite/sightly/templates/clientlib.html" data-sly-call="{clientlib.all@ categories='library.example.css'}"/>

Answer: A

NEW QUESTION 79

There are performance, stability, and security issues with an installed AEM instance. What should a developer do to fix these issues?

- A. Delete and reinstall the AEM instance.
- B. Install Adobe-provided Apache configuration file.
- C. Stop, clear cache files, and restart the AEM instance.
- D. Install service pack updates from package share.

Answer: D

NEW QUESTION 83

A developer creates an OSGi service to access JCR content. Refer to the code snippet from the OSGi service below.

```
public class AccessRepository {  
    private static final String SERVICE_ACCOUNT_IDENTIFIER = "sample-service";  
    ...  
    private final String getServiceUser() {  
        final Map<string, object=""> authInfo = Collections.singletonMap(ResourceResolverFactory.SUBSERVICE, (Object) SERVICE_ACCOUNT_IDENTIFIER);  
        ResourceResolver serviceResolver = resourceResolverFactory.getServiceResourceResolver(authInfo)  
    }  
}
```

Bundle ID = com.adobe.aem.samples-bundle

Which set of steps should the developer take to make sure that the code works?

- A. "1. Create a System User called systemUser with appropriate ACLs* 2. Modify the Apache Sling Service User Mapper Service* 3. Set user.default to com.adobe.aem.samples-bundle:sample-service=systemUser"
- B. "1. Create an AEM User called systemUser with appropriate ACLs* 2. Modify the Apache Sling Service User Mapper Service* 3. Set user.default to com.adobe.aem.samples-bundle:sample-service=systemUser"
- C. "1. Create a System User called systemUser with appropriate ACLs* 2. Modify the Apache Sling Service User Mapper Service Amendment* 3. Set user.default to com.adobe.aem.samples-bundle:sample-service=systemUser"
- D. "1. Create an AEM User called systemUser with appropriate ACLs* 2. Modify the Apache Sling Service User Mapper Service Amendment* 3. Set user.default to com.adobe.aem.samples-bundle:sample-service=systemUser"

Answer: A

NEW QUESTION 87

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