Adobe Certified Expert (ACE) - Adobe InDesign

1. 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(s): A

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2. An AEM site experiences slower page loads. A developer needs to identify the slow running requests. How should a developer analyze the requests with long response times?

> A. Use proxy.jar with the following command java -jar proxy.jar to debug the webserver and AEM server communication

> B. Use rlog.jar with the following command $ java -jar ../opt/helpers/rlog.jar -n 10 request.log to identify long running requests

> C. Download Heapdumps from Tools > Operations > Diagnosis and analyze the Heapdumps using the Memory Analyzer Tool

> D. Embed /libs/foundation/components/timing component in the Page Component and verify the page load time

Answer(s): B

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3. A developer has acomponent located under the path /apps. This component has a Client Library which is directly loaded onto a page. The publish instance loads the page correctly. The dispatcher also loads the page but the Client Library is missing.
How should the developerresolve this issue, while taking security into consideration?

> A. Change the ACLs for the Client Library.

> B. Move the Client Library under /apps/library.

> C. Add the property allowProxy with a boolean value true.

> D. Allow the path to the clientlibson the dispatcher.

Answer(s): C

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4. A developer is creating a new OSGi bundle com.custom.package.b to expose new services.
com.custom.package.a is already installed and active in the system and has the following package definition:

```
Export-Package: com.custom.package.a;version="2.0"
Import-Package: com.sample.package.a;version="[1,2)"
Classpath: .,com.sample.package.b-3.0.jar
```

The system console shows the following package availability:

```
com.sample.package.a;version="1.5"
com.sample.package.c;version="3.0"
```

Bundle com.custom.package.b to be installed has the following packagedefinition:

```
Export-Package: com.custom.package.b;version="1.0"
Import-Package: com.custom.package.a;version=[1,2)",com.sample.package.b;version="[3.0,3.0]",com.sample.p
```

What will happen when the developer uploads the bundle com.custom.package.b into the system?

A. The bundle will install but fail the activation due to unsatisfied dependencies com.sample.package.b and com.sample.package.c.

B. The bundle willinstall but fail the activation due to unsatisfied dependency com.sample.package.c.

C. The bundle will install and activate successfully.

D. The bundle will install but fail the activation due to unsatisfied dependency com.sample.package.b.

Answer(s): A

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5. An application contains an OSGi configuration that contains a password.
How should a developer prevent this sensitive information from being stored in plain textin JCR?

A. 1. Use console at /system/console/crypto to encrypt the value2. Either create an encrypted value for each AEM instance and use runmodes to apply thedifferent values or make sure relevant instances share the same master key3. When loading thevalue in the code, call CryptoSupport.unprotect(_) before using thevalue

B. 1. Use console at /system/console/configMgr and tick the checkbox "encrypt" beforesaving a configuration2. Use encrypted values work across all instances3. When loading the value in the code, call CryptoSupport.unprotect(...) before using thevalue

C. 1. Use console at /system/console/crypto to encrypt the value2. Either create an encrypted value for each AEM instance and use runmodes to apply thedifferent values or make surerelevant instances share the same master key3. Sensitive information is automatically decrypted using the CryptoSupport OSGi servicebefore the value is returned

D. 1. Use console at /system/console/configMgr and tick the checkbox "encrypt"beforesaving a configuration2. Either create an encrypted value for each AEM instance and use runmodes to apply thedifferent values or make sure relevant instances share the same master key3. Sensitive information is automatically decrypted using the CryptoSupport OSGi servicebefore the value is returned

Answer(s): A

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6. Two AEM publish instances feed a single Dispatcher.
Which part of the Dispatcher configuration should a developer review to ensure both AEM publishinstances are used?

A. virtualhosts

B. farms

C. filter

D. cache

Answer(s): B

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7. A custom AEMapplication 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 Reposirory (OBR)

Answer(s): C

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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 systempermissions are NOT properly configured.

Answer(s): B

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9. A custom application contains a service component com.proj.ServiceComponent. A developer needs to configure the string value name and integer value intVal. The actualconfiguration 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 contentname=""Service name""intVal=I""5"""

B. "Use a file com.proj.ServiceComponent.configwith content name=""Service name""intVal=I""5"""

C. "Use a file com.proj.ServiceComponent.xml with content

D. "Use a file com.proj.ServiceComponent.xml with content

Answer(s): B

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10. 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 valuecq:Page

Answer(s): D

11. Refer to thefollowing four Client Library Folders.

```
html

One

 - categories="[library.one]"

 - dependencies="[library.three, library.four]"

 - embed="[library.two]"


Two

 - categories="[library.two]"


Three

 - categories="[library.three]"

 - dependencies="[library.four]"


Four

 - categories="[library.four]"
```

A developer uses the following:

```
html

<data-sly-call="${clientlib.css @ categories='library.one'}"/>
```

What is the resulting HTML?

A

```
<link rel="stylesheet" href="library.one.css">
<link rel="stylesheet" href="library.three.css">
<link rel="stylesheet" href="library.four.css">
```

B

```
<link rel="stylesheet" href="library.two.css">
<link rel="stylesheet" href="library.one.css">
<link rel="stylesheet" href="library.three.css">
```

C

```
<link rel="stylesheet" href="library.four.css">
<link rel="stylesheet" href="library.three.css">
<link rel="stylesheet" href="library.one.css">
```

D

```
<link rel="stylesheet" href="library.three.css">
<link rel="stylesheet" href="library.four.css">
<link rel="stylesheet" href="library.one.css">
```

A. Option A

B. Option B

C. Option C

D. Option D

Answer(s): C

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12. A developer is working on a complex project with multiple bundles. One bundle provides an OSGiservice 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. Thebundle 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 serviceinterface.

☐ 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(s): A C

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13. 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 >> 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 > Monitoring. Create a new report based on Number of Active Sessions as metric.

D. Go to /crx-qiuckstart/logs/strderr/log, use the following command grep -o `CRXSessionImpl' strderr.log| wc -l.

Answer(s): D

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14. The structure section of an editable template has a locked component.
What happens to the content of that component when a developer unlocks it?

A. The content stays in the same place but it ignored on pages using the template.

B. The content is moved to the initial section of the editabletemplate.

C. The content is deleted after confirmation from the template author.

D. The content is copied to the initial section of the editable template.

Answer(s): B

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

A.

B.

C.

D.

Answer(s): B

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16. 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 2
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:/ignoreUrlParams{.../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(s): C

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17. 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 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 ACLs2. Modify the Apache Sling Service User
Mapper Service3. Set user.default to com.adobe.aem.samples-bundle:sample-service=systemUser"

B. "1. Create an AEM User called systemUser with appropriate ACLs2. Modify the Apache Sling Service User Mapper
Service3. Set user.default tocom.adobe.aem.samples-bundle:sample-service=systemUser"

C. "1. Create a System User called systemUser with appropriate ACLs2. Modify the Apache Sling Service User
Mapper Service Amendment3. Set user.default to com.adobe.aem.samples-bundle:sample-service=systemUser"

D. "1. Create an AEM User called systemUser with appropriate ACLs2. Modify the Apache Sling Service User Mapper
Service Amendment3. Set user.default to com.adobe.aem.samples-bundle:sample-service=systemUser"

Answer(s): A

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18. 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(s): C

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19. A developer needs to implement a functionality that requires creating a Custom Workflow Step.
Which two steps shouldthe developer take to start developing the custom behavior? (Choose two)

A. Implement a Java class extending from classcom.adobe.granite.workflow.exec.WorkflowProcess

B. Create a Workflow component node of the Super Resource Type "cq/workflow/components/model/process" under the folder /apps/components

C. Create a Workflow component node of the Super Resource Type "cq/workflow/components/step" under the folder /etc/workflow/models

D. Implement a Java class with this method "public void process (WorkItem item, WorkflowSession wfsession) throws WorkflowException"

E. Implement a Java class implementing the interface com.adobe.granite.workflow.exec.WorkflowProcess

Answer(s): B E

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20. 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(s): B