

## AD0-E103 Dumps

### Adobe Experience Manager Developer

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**NEW QUESTION 1**

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 2**

An application contains an OSGi configuration that contains a password. How should a developer prevent this sensitive information from being stored in plain text in 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 the different values or make sure relevant instances share the same master key3. When loading the value in the code, call CryptoSupport.unprotect(\_) before using the value
- B. 1. Use console at /system/console/configMgr and tick the checkbox "encrypt" before saving a configuration2. Use encrypted values work across all instances3. When loading the value in the code, call CryptoSupport.unprotect(...) before using the value
- 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 the different values or make sure relevant instances share the same master key3. Sensitive information is automatically decrypted using the CryptoSupport OSGi service before thevalue is returned
- D. 1. Use console at /system/console/configMgr and tick the checkbox "encrypt" before saving a configuration2. Either create an encrypted value for each AEM instance and use runmodes to apply the different values or make sure relevant instances share the same master key3. Sensitive information is automatically decrypted using the CryptoSupport OSGi service before the value is returned

**Answer: A**

**NEW QUESTION 3**

A developer created an editable template with a Layout Container. The developer needs to restrict the Layout Container to just one column layout. What should the developer do to the editable template to enforce this restriction?

- A. Add responsive column control component to the template and set column type to 1
- B. Overlay wcm.foundation.components.page.responsive Client Library and set @max\_col to 1
- C. Using Template Editor, lock the Structure Component for the template
- D. Using Template Editor, set the responsive settings to 1 column for Layout Container Policy

**Answer: D**

**NEW QUESTION 4**

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:title
- 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 value

**Answer: D**

**NEW QUESTION 5**

In which maven build phase is the content package assembled?

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

**Answer: C**

**NEW QUESTION 6**

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

- A. Implement a Java class extending from class com.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: BE**

**NEW QUESTION 7**

A custom AEM application contains a service component that needs to access the JCR repository within the activate method. The activate method uses `ResourceResolverFactory.getServiceResourceResolver(...)` without specifying a sub service name. What should a developer do to make sure the user service mapping for the service component is available?

- A. Create a field of type `ServiceUserMapper` and annotate it with `@Reference` using `ReferencePolicy.STATIC`
- B. Wait for the service `ServiceUserMapper` via `BundleContext.getServiceReference(...)`
- C. Create a field of type `ServiceUserMapped` and annotate it with `@Reference` using `ReferencePolicy.DYNAMIC`
- D. Create a field of type `ServiceUserMapped` and annotate it with `@Reference`

**Answer: D**

#### NEW QUESTION 8

The developer is presented with a component "Component A" which inherits from a component "Component B". The dialog of Component A on path `../cq:dialog/../../items` looks like:

```
+ align
- jcr:primaryType="nt:unstructured"
- sling:resourceType="granite/ui/components/coral/foundation/form/select"
- fieldLabel="Align Text"
- name="../align"
```

The dialog of Component B on path `../cq:dialog/../../items` looks like:

```
+ title
- jcr:primaryType="nt:unstructured"
- sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
- fieldLabel="Title"
- name="../title"
+ description
- jcr:primaryType="nt:unstructured"
- sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
- fieldLabel="Description"
- name="../description"
```

The requirement for the dialog is that the `*Align Text*` field is shown after the `*Title*` field. What should the developer do without changing Component B?

- A. Move the align node from Component A to Component B and order them according the requirements.
- B. Move all the nodes under the item node from Component B to Component A and order them according the requirements.
- C. Extend Component B with the functionality of Component A
- D. Add the property `sling:orderBefore="description"` to the align node.

**Answer: D**

#### NEW QUESTION 9

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 the 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 10

Refer to the following Client Library node structure.

```
+clientlibs
- jcr:primaryType="cq:ClientLibraryFolder"
- categories="[clientlibs.example]"
+ js.txt
- jcr:primaryType="nt:file"
+ css.txt
- jcr:primaryType="nt:file"
+ js
- jcr:primaryType="nt:folder"
- javascript1.js
- javascript2.js
```

The `js.txt` looks like `javascript1.js` `javascript2.js`

The JavaScript is NOT present in the Client Library when it is loaded. What should a developer do to resolve this issue?

- A. Change the js folder to a Client Library node and add the property `categories = "[clientlibs.example]"`
- B. Change the js folder to a Client Library node and embed it on the clientlibs node
- C. Add `#base=js` as the first line in the `js.txt` file
- D. Split the js and css into 2 Client Libraries since they can't be in the same Client Library

**Answer: C**

#### NEW QUESTION 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 the value `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 14

A banking AEM application contains functionality to calculate a mortgage rate based on user input. A servlet in place calculates the result in the backend. A call to an internal third-party REST service is required to retrieve the average object value based on a given zip code.

The following three service interfaces are used:

MortgageCalculationServlet, MortgageCalculationService and ObjectValueLookupRestService where MortgageCalculationServlet has a dependency to MortgageCalculationService and MortgageCalculationService has a dependency to ObjectValueLookupRestService.

The calculation has many combinations of input parameters and edge cases, so the JUnit coverage must be as high as possible.

Which two strategies should the developer use to ensure testability of the application code? (Choose two)

- A. Use the standard OSGi @Reference annotation to wire the dependencies in application code
- B. Use BundleContext.getServiceReference(...) and BundleContext.getService(...) in application code to look up for the required services just before usage
- C. Deploy a third party dependency injection container to wire dependencies more efficiently in application code
- D. Use a mock framework to be able to create and inject mocks in the test code
- E. Use static methods to avoid boilerplate in application code

**Answer:** AD

#### NEW QUESTION 15

Two AEM publish instances feed a single Dispatcher.

Which part of the Dispatcher configuration should a developer review to ensure both AEM publish instances are used?

- A. virtualhosts
- B. farms
- C. filter
- D. cache

**Answer:** B

#### NEW QUESTION 19

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 20

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 21

There is a config file package.myClass.config.factory-myApp.xml – what is true? (Choose two)

- A. The word "config" is a sign of factory
- B. The word "factory" is a sign of factory
- C. Should be set package.myClass.config.factory-<identifer>
- D. Must be set package.myClass.config.factory-<identifer>

**Answer: C**

**NEW QUESTION 26**

A developer needs to upgrade existing components (Proxy Components) based on Core Components Version 1(v1) to Core Components Version 2(v2). How should the developer upgrade to V2 Core Components?

- A. Proxy Components will be automatically upgraded to the V2 Core Component on AEM Restart
- B. Modify the sling:resourceSuperType property on the V1 core components to point to V2 Component
- C. Modify the sling:resourceSuperType property on the proxy component to point to V2 Component
- D. Create a new Proxy Component and set sling:resourceType property to V2 Core Component

**Answer: C**

**NEW QUESTION 27**

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