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Adobe Experience Manager Developer

Adobe AD0-E103

Version Demo

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QUESTION NO: 1

After a recent code deployment, an AEM site is experiencing longer than usual query execution time. The deployment package contained some new Lucene index definitions. A developer needs to identify the long

running queries and confirm that the new index definitions are getting applied correctly. Which action should the developer take to investigate this problem?

A. Goto Tools > Operations > Diagnosis > Log Messages. Configure DEBUG log level on com.day.cq.search to monitor search queries.

B. Goto Tools > Operations > Diagnosis > Query Performance > Slow Queries. Select a Query and Click on Explain

C. Goto Tools > Operations > Diagnosis > Index Manager. Select the new Indexes and run a consistency check.

D. Goto Tools > Operations > Diagnosis > Download Thread Dumps. Analyze the Thread Dumps to identify long running requests.

ANSWER: B

QUESTION NO: 2

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: B E

QUESTION NO: 3

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

QUESTION NO: 4

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: A D

QUESTION NO: 5

A developer creates an AEM editable template that includes a Layout Container. When the developer creates a page using this template, the Layout Container placeholder does NOT appear.

What is causing this issue?

A. The Layout Container does NOT have a policy.

B. The page template has NOT been enabled.

C. The page template has NOT been published.

D. The Layout Container has NOT been unlocked.

ANSWER: D

QUESTION NO: 6

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

QUESTION NO: 7

A developer wants to consume AEM Page Data in Single Page Application. The Single Page Application is coded to understand JSON format. Only page content should be exposed through JSON. All the existing components are based on foundation components.

Which change should the developer make in the existing components to support this requirement?

A. Add JSON as the default extension in Apache Sling Servlet?Script Resolver and Error handler Configuration

B. Implement a Sling Model Exporter for the components

C. Create a custom sling event handler to handle JSON requests

D. Invoke the page URL with the extension .json to get the values to construct the required output

ANSWER: B

Explanation:

https://sling.apache.org/documentation/the-sling-engine/servlets.html

QUESTION NO: 8

Which two methods could a developer use to obtain a Session without using a deprecated API? (Choose two.)

ResourceResolverFactory resolverFactory; if (null!-resoi erFactory) (

Map<9triâg,Obj€ct> ’authoñticâtionIâfo ñow HashMapK9triñj,9Cring>(), authenticationfnfo.put(’username’, 'reposervice");

Session session - resdlverF&ctory.getAdministrativeResourceResolverlauthen ticationInfo,.’rOsolvOrFactory:gOtPessworg(’reposOrvicO’)).:adaptTo(9Ossion:class);

B

9lingRepository repo; if (null != repo) (

9ossion session repo.login9€rvicO(null; repo.getD€faultWorkRpac€());

9lingRepository repository; if (null !- repository) (

```
[INFO] --- maven-bundle-plugin:3.3.0:bundle (default-bundle) @training.core ---
[ERROR] Bundle com.adobe:training.core:bundle:0.0.1-SNAPSHOT : Class com.adobe.training.core.Activator is not assignable to specified
service com.adobe.training.core.DeveloperInfo
[ERROR] Error(s) found in bundle configuration
[INFO] ------------------------------------------------------------
[INFO]BIULD FAILURE
[INFO] ------------------------------------------------------------
[INFO] Total time: 5.572 s
[INFO] Finished at: 2019-02-12T16:10:25-08:00
[INFO] Final Memory: 22M/384M
[INFO] ------------------------------------------------------------
[ERROR] Failed to execute goal org.apache.felix:maven-bundle-plugin:3.3.0:bundle (default-bundle) on project training.core:
Error(s) found is bundle configuration ->[Help 1]
```

```
R so’rceR’’’                    l  rFactory;
              ’r’ve Frc    o
  '     R€sourc€Rqso’lver  rosolvor     r€solmerFacto’ry.g€t9erviceR€sourcoR€solver(null);
        Session sessioñ    revolver.adaptTo(9essioñ.class);
```

D

E

```
ResourceReso1verFactory’resolterFad$ory,
i€ (null.=resolverFactory)  (
      Map<9tring,ObjOct> authonticationInfo    nOw HashMap<9tring,Rtring>();
      authenticationInfo.put(’username’, “admin’};

      ’. h. n. ”. .”     t( p’R• ord’”.
      9ession;session   - ’resolverFactory.getAdmi.nistrativeResourceResolver:authen
ticbtionInfo) :adaptTo(9€#sion.class);
```

A. Option A

B. Option B

C. Option C

D. Option D

E. Option E

ANSWER: B D

QUESTION NO: 9

A developer developed a workflow that makes a copy of every node created or modified under a certain path to a different one. The workflow launches but the nodes are not copied over.

Which two methods should the developer use to resolve this issue? (Choose two.)

A. Go to Workflow Failures screen and check if any instances of the workflow are present.

B. Go to Workflow instances screen and verify that the instance of the workflow is present and check its status.

C. Go to Package Manager screen and reinstall the bundle that contains the workflow so it restarts.

D. Go to Workflow Models screen, then delete and recreate the workflow.

E. Go to Workflow Launchers and create a new launcher for the workflow even if one already exists.

ANSWER: A B

QUESTION NO: 10

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: A C

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