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QUESTION 1

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

Correct Answer: A

QUESTION 2

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

Correct Answer: A

QUESTION 3

From which AEM Web Console should a developer access and download full AEM Log Files?

- A. Web Console -> System Information
- B. Status -> Log files
- C. OSGI -> Sing Log Service
- D. AEM -> Log files

Correct Answer: C

Reference: <https://helpx.adobe.com/aem-forms/kb/getting-log-files-directly-from-aem.html>

QUESTION 4

A developer needs to ensure that the path `/content//segments` exists on all environments with the correct initial content that the developer provides 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

Correct Answer: B

QUESTION 5

A developer is working on a dialog for a contact list component. The dialog has the following requirements:

1.

The list of contacts must include one or more entries.

2.

Contact details must include a full name.

3.

Contact details must include an email address

4.

Contact details can optionally include a short bio

5.

Authors need to be able to rearrange the contacts in the list

Which dialog configuration should the developer use to meet all of these requirements?

A.

```
+ multi
- sling:resourceType="granite/ui/components/coral/foundation/form/multifield"
- composite="{Boolean}true"
- fieldLabel="Contact List"
+ field
- sling:resourceType="granite/ui/components/coral/foundation/container"
- name="./contacts"
+ items
+ name
- sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
- fieldLabel="Full Name"
- name"./name"
+ email
- sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
- fieldLabel="Email Address"
- name"./email"
+ bio
- sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
- fieldLabel="Short Bio"
- name"./bio"
- required="{Boolean}false"
```

B.

```
+ multi
- sling:resourceType="granite/ui/components/coral/foundation/form/multifield"
- composite="{Boolean}true"
- fieldLabel="Contact List"
- required="{Boolean}true"
+ field
- sling:resourceType="granite/ui/components/coral/foundation/container"
- name"./contacts"
+ items
+ name
- sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
- fieldLabel="Full Name"
- name"./name"
- required="{Boolean}true"
+ email
- sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
- fieldLabel="Email Address"
- name"./email"
- required="{Boolean}true"
+ bio
- sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
- fieldLabel="Short Bio"
- name"./bio"
```

C.

```
+ multi
  - sling:resourceType="granite/ui/components/coral/foundation/form/multifield"
  - fieldLabel="Contact List"
  - required="{Boolean}true"
  + field
    - sling:resourceType="granite/ui/components/coral/foundation/container"
    - composite="{Boolean}true"
    - name="./contacts"
    + items
      + name
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Full Name"
        - name="./name"
        - required="{Boolean}true"
      + email
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Email Address"
        - name="./email"
        - required="{Boolean}true"
      + bio
        - sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
        - fieldLabel="Short Bio"
        - name="./bio"
```

D.

```
+ multi
  - sling:resourceType="granite/ui/components/coral/foundation/form/multifield"
  - fieldLabel="Contact List"
  + field
    - sling:resourceType="granite/ui/components/coral/foundation/container"
    - composite="{Boolean}true"
    - name="./contacts"
    + items
      + name
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Full Name"
        - name="./name"
      + email
        - sling:resourceType="granite/ui/components/coral/foundation/form/textfield"
        - fieldLabel="Email Address"
        - name="./email"
      + bio
        - sling:resourceType="granite/ui/components/coral/foundation/form/textarea"
        - fieldLabel="Short Bio"
        - name="./bio"
        - required="{Boolean>false"}
```

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

Correct Answer: A

QUESTION 6

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

Correct Answer: B

QUESTION 7

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 jcr:read and jcr: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(...).

Correct Answer: C

QUESTION 8

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.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>uber-jar</artifactId>
  <version>6.4.0</version>
  <classifier>apis</classifier>
  <scope>provided</scope>
</dependency>
```

B.

```
<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>
```

C.

```
<dependency>
  <groupId>com.adobe.aem</groupId>
  <artifactId>aem-api</artifactId>
  <version>6.4.0</version>
  <classifier>apis</classifier>
  <scope>provided</scope>
</dependency>
```

D.

```
<resources>
  <resource>
    <directory>src/mail/content/jcr_root</directory>
    <filtering>>false</filtering>
    <excludes>
      <exclude>*/.vlt</exclude>
      <exclude>*/.vltignore</exclude>
      <exclude>libs/</exclude>
    </excludes>
  </resource>
</resources>
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 9

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 value.

2.

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 key.

3.

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 configuration.

2.

Use encrypted values work across all instances.

3.

When loading the value in the code, call CryptoSupport.unprotect(...) before using the value.

C. 1. Use console at /system/console/ configMgr and tick the checkbox "encrypt" before saving a configuration.

2.

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 key.

3.

Sensitive information is automatically decrypted using the CryptoSupport OSGi service before the value is returned.

D. 1. Use console at /system/console/crypto to encrypt the value.

2.

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 key.

3.

Sensitive information is automatically decrypted using the CryptoSupport OSGi service before the value is returned.

Correct Answer: A

QUESTION 10

A developer is creating a custom component on the page /latestBlogs.html that needs to list all the titles of the blogs pages under /content/blogs.

How does this component get the list of child pages?

- A. Instantiate a node object with `session.getNode(/content/blogs)` and then iterate through the child nodes and print the title for each.
- B. Use `PageManager.getPage("/content/blogs")` of the static `PageManager` class to instantiate a `Page` object and then iterate through the child pages and print the title for each.
- C. Use the `QueryDebugger` to look for all children of `/content/blogs` and then iterate through the result set and print the title for each.
- D. Adapt the `resourceResolver` to the `PageManager` service, then use the `getPage(/content/blogs)` to instantiate a `Page` object and then iterate through the child pages and print the title for each.

Correct Answer: B

Reference: <https://helpx.adobe.com/experience-manager/6-2/sites/developing/using/reference-materials/javadoc/com/day/cq/wcm/api/PageManager.html>

QUESTION 11

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

Correct Answer: CE

QUESTION 12

A developer needs to implement a header component for a website. The component has the following requirements:

The component should be configured once on the page highest in the hierarchy.

The header component on pages lower in the hierarchy should look the same and show the same data.

If necessary, the configuration can be overwritten on a child page.

The component should show a list of links that are configured in the header component.

Which code snippet for returning the list of pages should the developer use?

A.

```
public String [] getHeaderLinks(Resource componentResource) {
    final HierarchyNodeInheritanceValueMap properties = componentResource.
    adaptTo(HierarchyNodeInheritanceValueMap.class);
    return properties.get(HEADER_PAGE_LIST, String[].class);
}
```

B.

```
public String [] getHeaderLinks(Page page) {
    final Resource pageContent = page.getContentResource();
    final ComponentInheritanceValueMap properties = ComponentInheritance
    ValueMap(pageContent);
    return properties.get(HEADER_PAGE_LIST, String[].class);
}
```

C.

```
public String [] getHeaderLinks(Resource componentResource) {
    final ComponentInheritanceValueMap properties = componentResource.
    adaptTo(ComponentInheritanceValueMap.class);
    return properties.getInherited(HEADER_PAGE_LIST, String[].class);
}
```

D.

```
public String [] getHeaderLinks(Resource componentResource) {
    final HierarchyNodeInheritanceValueMap properties = new HierarchyNo
    deInheritanceValueMap(componentResource);
    return properties.getInherited(HEADER_PAGE_LIST, String[].class);
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 13

For each CRX node in the hierarchy, which actions can be configured using the user admin interface?

- A. Read, Modify, Create, Delete, Read ACL, Edit ACL, Replicate
- B. Read, Write, Read ACL, Edit ACL, Replicate
- C. Read, Write, Delete, Edit ACL, Replicate
- D. Read, Modify, Create, Delete, Read ACL, Edit ACL

Correct Answer: A

Reference: <https://forums.adobe.com/thread/2323098>

QUESTION 14

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. Extend Component B with the functionality of Component A.
- C. Add the property sling:orderBefore="description" to the align node.

D. Move all nodes under the item node from Component B to Component A and order them according to the requirements.

Correct Answer: A

QUESTION 15

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.

Correct Answer: BD

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