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Vendor: IBM

Exam Code: C2180-607

Exam Name: IBM WebSphere Process Server V7.0
Integration Development

Version: Demo

QUESTION 1

Which of the following are TRUE regarding Service Component Architecture (SCA)?

- A. Standard Java classes are used to store data.
- B. Integration developers can concentrate more time on the details of the service implementation.
- C. Without SCA, you must change application code to respond to service implementation changes.
- D. SCA provides a single service component abstraction for services that may already be implemented as business processes.
- E. The service component definition is included in a file called <SERVICE_NAME>.SCDL that can have zero or more interfaces associated with it.

Correct Answer: CD

QUESTION 2

Refer to the exhibits. Exhibit 1 shows the definition of Customer business object.

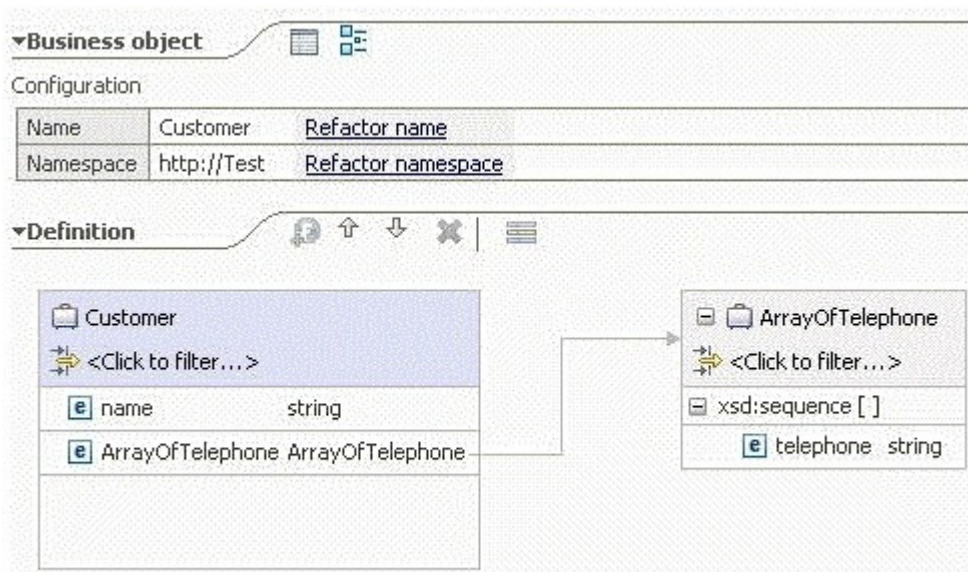


Exhibit 2 contains fragments of Java code that creates an instance of Customer business object.

```
...
ServiceManager serviceManager = ServiceManager.INSTANCE;
BOFactory bof = (BOFactory) serviceManager.locateService("com/ibm/websphere/bo/BOFactory");

DataObject customer = bof.create("http://Test", "Customer");
customer.setString("name", "John Doe");
```

Which of the following lines of code places a value in the telephone field in the ArrayOfTelephone child business object?

- A. DataObject tele_array = customer.createDataObject("ArrayOfTelephone");A.DataObject tele_array = customer.createDataObject("ArrayOfTelephone"); tele_array.setString("telephone", "111-1111");
- B. DataObject tele_array = bof.create("http://Test", "ArrayOfTelephone");B.DataObject tele_array = bof.create("http://Test", "ArrayOfTelephone"); tele_array.setString("telephone", "111-1111");
- C. DataObject tele_array = customer.createDataObject("ArrayOfTelephone");C.DataObject tele_array = customer.createDataObject("ArrayOfTelephone"); Sequence seq = tele_array.getSequence(); seq.add("telephone", "111-1111");
- D. DataObject tele_array = customer.createDataObject("ArrayOfTelephone");D.DataObject tele_array = customer.createDataObject("ArrayOfTelephone"); Sequence seq = tele_array.getString("telephone");? seq.add("telephone", "111-1111");

Correct Answer: C

QUESTION 3

A company is redesigning an existing business process. During implementation, the integration developer realizes that the interface of an imported service is now different from the reference of the business process. Which of the following is the BEST solution for supporting future releases?

- A. Implement a bridge using a java component.
- B. Implement an EJB that connects to both interfaces.
- C. Use a data map to connect both interfaces.
- D. Use a mediation flow to connect both interfaces.

Correct Answer: D

QUESTION 4

Refer to the Exhibit.

The screenshot shows the 'Integration Solutions' console with a tree view on the left and a configuration pane on the right. The tree view shows 'SolutionA' and 'SolutionB' under 'Integration Solutions'. 'SolutionA' has a 'Project References' folder containing 'SolutionA_Library', 'SolutionA_MediationModule', and 'SolutionA_Module'. 'SolutionB' has a 'Project References' folder containing 'ModuleA'. The configuration pane is titled 'ModuleA Dependencies' and is divided into two sections: 'Version' and 'Java'. The 'Version' section has a 'Libraries' sub-section with a table:

Name	Required Version
SolutionA_Library	

Below the table are buttons for 'Add...', 'Remove', and 'Edit...'. The 'Java' section has a 'J2EE (Web, EJB, Connector, and so on)' sub-section with a table:

some_adapter	
--------------	--

Below the table are buttons for 'Add...' and 'Remove'. To the right of the table is an 'Advanced:' section with two checkboxes: 'On Build Path' (unchecked) and 'Deploy with Module' (checked).

Assuming some_adapter is a valid JCA adapter, which of the following is TRUE about this configuration?

- A. Since SolutionA_Library is referenced by the two solutions, it has to be configured as a shared library.
- B. The configuration is incorrect because SolutionA_Library isn't included in the project references of

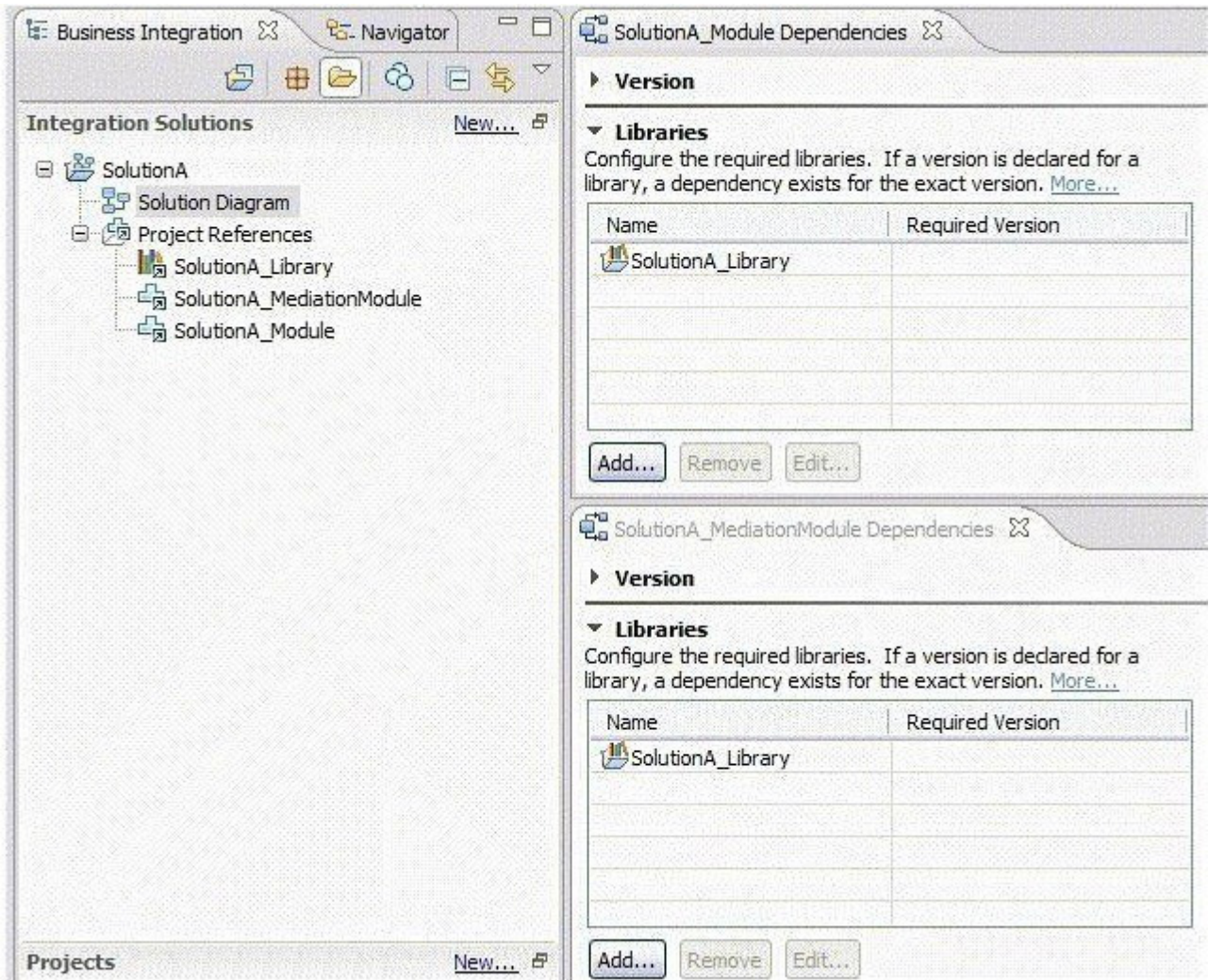
SolutionB.

- C. When exporting SolutionB for server deployment, an EAR file containing 2 JARs, 1 WAR and 1 RAR is created.
- D. When exporting SolutionB for command-line service deployment, a ZIP file containing 2 JARs, 1 WAR and 1 RAR is created

Correct Answer: C

QUESTION 5

Refer to the Exhibit.



As shown in the Exhibit, both modules of SolutionA reference the library, which is configured to be deployed with the module.

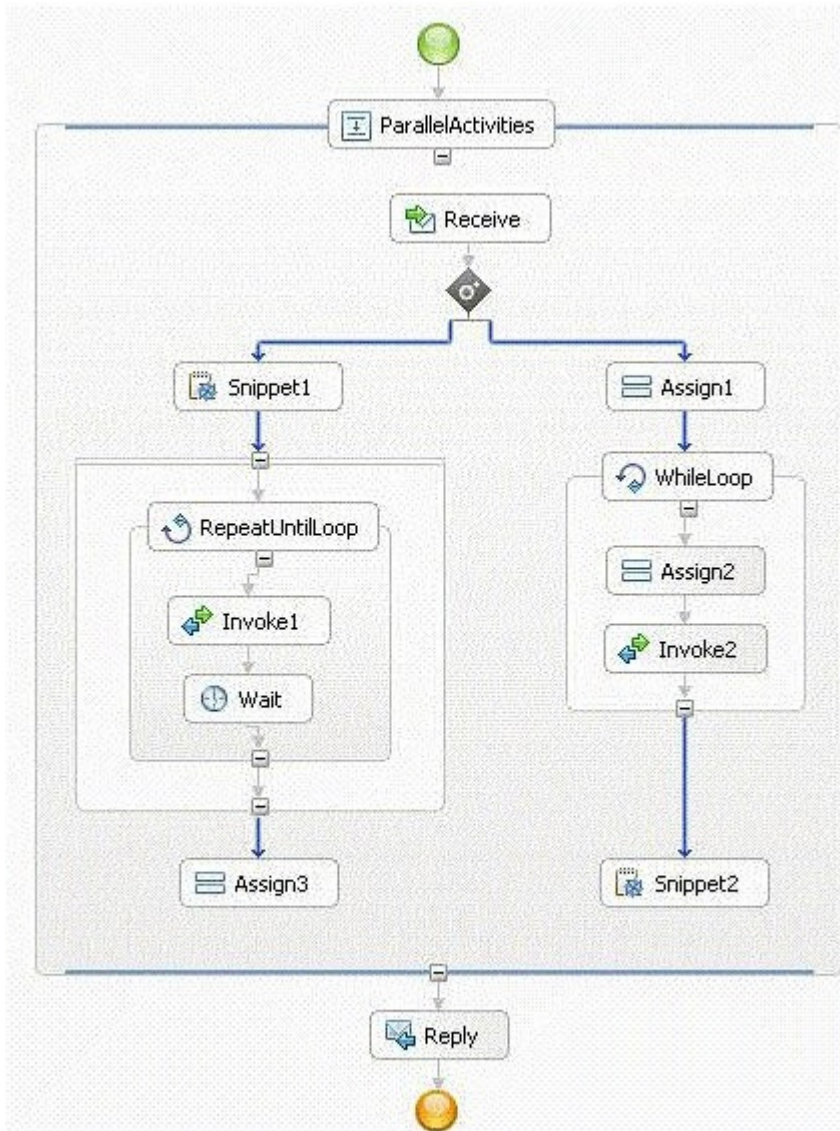
If an integration developer exports SolutionA for command-line service deployment, the result is: If an integration developer exports SolutionA for command-line service deployment, the result is:

- A. one zip file containing the folders for the library and both modules.
- B. two zip files, one for each module, containing the folders for the library and the module.
- C. one enterprise archive containing the archives for the library, both modules, and a web application.
- D. two enterprise archives, one for each module, containing the archives for the library, the module and a web application.

Correct Answer: B

QUESTION 6

Refer to the Exhibit.




This process should be defined as a long-running process, because the implementation contains:

- A. a Snippet.
- B. a Parallel flow.
- C. a Wait activity.
- D. a Repeat Until Loop activity.

Correct Answer: C








QUESTION 7

Refer to the exhibit.


▼ **Interface** 

Configuration

Name	ProcessInterface	Refactor name
Namespace	http://CertTest/ProcessInterface	Refactor namespace
Binding Style	document literal wrapped	Change binding style to document literal non-wrapped More...

▼ **Operations**    |    | 

Operations and their parameters

	Name	Type
▼  start		
Inputs	inMessage	string
	customerObject	Customer
	orderObject	Order
	shipperObject	Shipper
Outputs	outMessage	string
Fault	startFault1	string

A developer using the interface in the exhibit is facing a requirements change - the start operation needs to be a one-way operation that uses the existing inputs. Which of the following is the BEST way to make the change?

- A. Add a new one-way operation to the interface and ignore the existing operation.
- B. Click on the operation name and choose "Alt+Shift+R" to refactor the operation.
- C. Right-click on the operation and choose "Change to One Way Operation" from the context menu.
- D. Delete the interface and create a new interface with the same name, namespace, and operation name with a one-way operation.

Correct Answer: C

QUESTION 8

Refer to the exhibit.

```

<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://Test" xmlns:tns="http://Test">

  <xsd:complexType name="Parent">
    <xsd:sequence>
      <xsd:element name="name" type="xsd:string"/>
      <xsd:element name="child" type="Child"/>
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="Child">
    <xsd:sequence>
      <xsd:element name="name" type="xsd:string"/>
      <xsd:element name="grandChild" type="GrandChild"/>
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="GrandChild">
    <xsd:sequence>
      <xsd:element name="name" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>

</xsd:schema>

```

Given that an instance of the Parent business object is parent, which of the following fragment of code sets the GrandChild's name attribute to be "John Doe"?

- A. parent.setString("name", "John Doe");
- B. DataObject grandchild = parent.createDataObject("grandChild");grandchild.setString("name", "John Doe");
- C. DataObject child = parent.createDataObject("child");DataObject grandchild = child.createDataObject("grandChild");grandchild.setString("name", "John Doe");
- D. DataObject child = parent.createDataObject("http://Test/Child");D.DataObject child = parent.createDataObject("http://Test/Child");DataObject grandchild = child.createDataObject("http://Test/GrandChild");grandchild.setString("name", "John Doe");

Correct Answer: C

QUESTION 9

An integration developer is planning a modular design to support the implementation of a large application. Which of the following BEST describes the approach that should be taken by the integration developer while designing the solution in order to achieve module reuse and application maintainability over time?

- A. Use separate modules to expose the logical units of function as separate services and use a single library to hold the commonly used data types, interfaces, and transformation artifacts.
- B. Create multiple modules and libraries to expose the functions that compose the application as separate services. The services should be selected based on the relative module sizes and complexity of the functions provided.
- C. Identify the portions of the code that are most likely to be reused and deploy each as a separate logical unit into multiple libraries as independent services. Use a single module to invoke the services deployed in the libraries.
- D. Determine which components should be logically deployed on separate servers based on the performance requirements of the application and package the code into modules so that there will be one module per server in the infrastructure.

Correct Answer: A

QUESTION 10

An integration developer creates a new version of a current module and needs to update the SCA module

version in the WebSphere Integration Developer test environment. Which of the following task will the integration developer need to perform in order to create new instances of the latest version of the process?

- A. Run serviceDeploy against the exported, versioned module file to generate an installable EAR file.
- B. Export the versioned module as an EAR file and manually deploy it using the administrative console.
- C. Add the versioned module to UTE via Add/Remove projects option and confirm that the status of the project changes to published.
- D. Create process migration specification by selecting the process components in the module that apply and then deploy the exported EAR file.

Correct Answer: A

QUESTION 11

A bank implements a loan processing service, Module A, which invokes services provided by several other SCA applications. During the integration testing, the developer finds a problem with the Module

- A. Since the implementation is very complex, the developer decides to enable cross-component trace to troubleshoot. Which of the following statements is TRUE?
- B. The loan processing service, along with the associated modules have to be deployed onto the same server.
- C. All associated applications must be loaded in the current workspace in order for the cross- component trace to work.
- D. Cross-component trace can be enabled through the Server Logs view in the WebSphere Integration Developer or from the administrative console.
- E. If cross-component trace is enabled with data snapshot, the system captures the data sent in and passed between SCA components in the WPRCSDB database.

Correct Answer: C

QUESTION 12

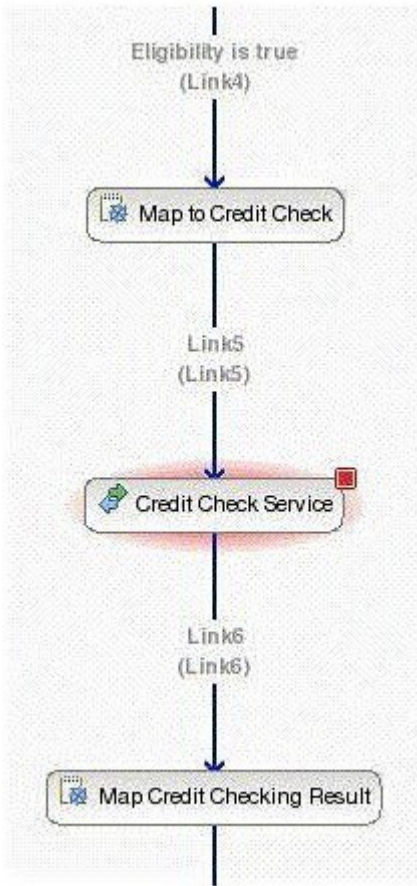
An integration developer is testing a microflow which invokes several external services. This microflow should take no longer than 30 seconds to complete. During the execution, a transaction timeout exception was thrown. The developer suspects that one of the external services is taking too long to return the response. Which of the following methods is the BEST approach to troubleshoot this problem?

- A. Use a BPC Explorer to check execution time of the each invocation activity.
- B. Use the Tivoli Performance Viewer to check the duration of the service invocation.
- C. Examine the SystemOut.log for the associating transaction exception stack-trace.
- D. Implement a fault handler in the microflow and collect additional information through the exception stack-trace.

Correct Answer: C

QUESTION 13

Refer to the Exhibit. The exhibit shows a portion of a process state view monitoring an Account Verification process instance.



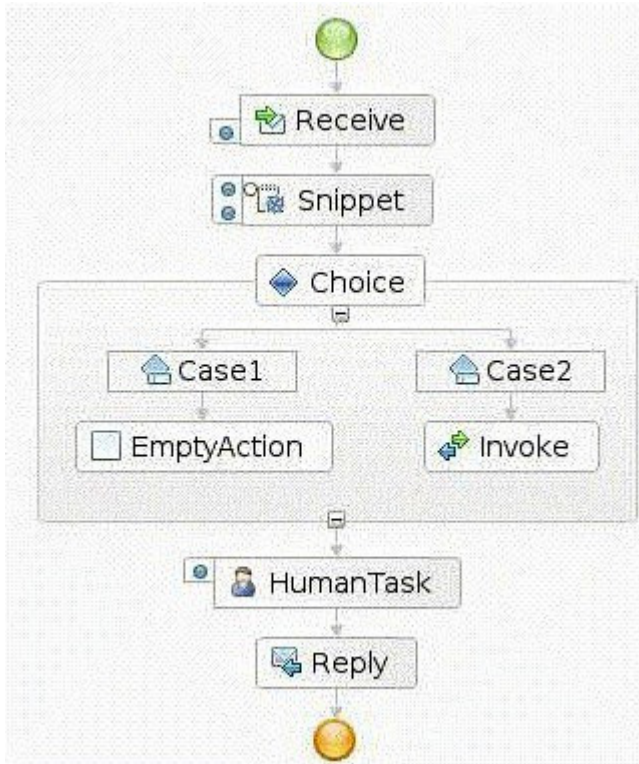
The Credit Check Service activity failed because the target service was unavailable due to a system crash. Since this failure happened during testing, the integration developer decided to manually enter sample output data so that the process can be resumed. Which of the following actions will BEST accomplish this task?

- A. Select the "Skip Activity" option on Credit Check Service from the process state view.
- B. Select Credit Check Service, and then select Map Credit Checking Result as its target activity. Modify the activity and resume.
- C. Select the failed event associated with this process instance in the Failed Event Manager. Modify the business object and then resubmit the event.
- D. Select the failed event associated with this process instance in the Failed Event Manager. Modify the business object and then resubmit the event.
- E. Select the failed event associated with this process instance in the Failed Event Manager. Modify the business object and then resubmit the event.
- F. Select the "Jump to Another Activity" option on Credit Check Service, and then select Map Credit Checking Result as the target activity. Select the "Force Complete Source Activity and Jump" option to manipulate the output.
- G. Select the "Jump to Another Activity" option on Credit Check Service, and then select Map Credit Checking Result as the target activity. Select the "Force Complete Source Activity and Jump" option to manipulate the output.
- H. Select the "Jump to Another Activity" option on Credit Check Service, and then select Map Credit Checking Result as the target activity. Select the "Force Complete Source Activity and Jump" option to manipulate the output.

Correct Answer: FGH

QUESTION 14

Refer to the Exhibit.



Which of the following statements BEST describes this scenario?

- A. All breakpoints in the Snippet are disabled.
- B. Some breakpoints could be enabled in the Snippet.
- C. The Snippet has two entry breakpoints, and one is disabled.
- D. There is a configuration error because the Snippet has 2 entry breakpoints.

Correct Answer: B

QUESTION 15

Refer to the Exhibit.

View Name Description

Process Criteria Task Criteria Property Filters User Roles View Properties Summary ⓘ

List Columns ⓘ List Properties ⓘ View Settings ⓘ

Rows On One Page

Maximum Results Default is 10000.

Sort By

Properties for Sorting

- Completed
- Created
- Description
- Parent Name
- Process Instance ID
- Process Instance Name
- Process Template Name
- Starter
- Top-Level Name

Sort By

Started - Ascending

Which of the following statements is TRUE about this configuration?

- A. The System Administrator role is required for this task.
- B. The server must be restarted in order for the custom view to be available.
- C. The custom view is also available in the Business Space Processes List widget.
- D. Before performing this task, the user must make sure that there are no active process instances running.

Correct Answer: A

QUESTION 16

Refer to the Exhibits. Exhibit 1 shows the assembly diagram for the HelloWorldProcess module.

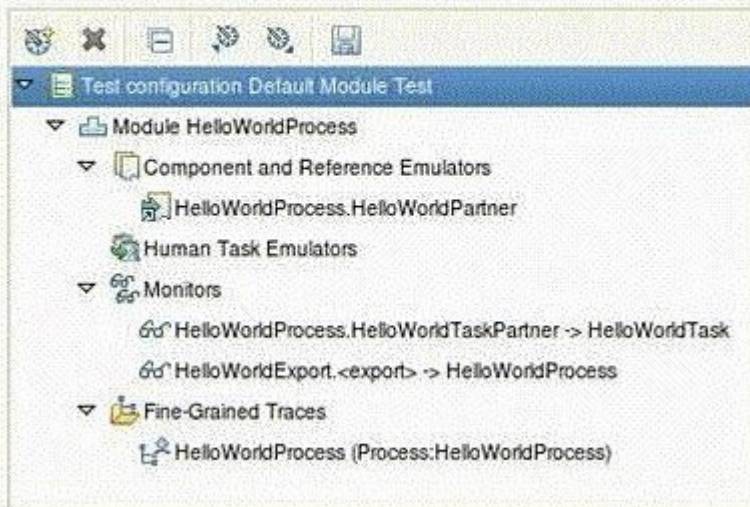


Exhibit 2 shows the configuration of the HelloWorldProcess_Test.

Exhibit 2

Configurations

This area displays test configurations and their resources. Select a test configuration or resource to display its properties in the General Properties and Detailed Properties sections. [More...](#)



Which of the following statements is TRUE?

- A. This configuration is set up to test the HelloWorldProcess component in isolation.
- B. In order to track the data flow from the HelloWorldProcess to HelloWorldImport, a monitor needs to be added.
- C. Since fine-grained trace is enabled for HelloWorldProcess, the server starts cross-component trace once the test is invoked.
- D. A monitor is defined on the HelloWorldTask and HelloWorldProcess components so that the server will generate common base events for these components.
- E. A monitor is defined on the HelloWorldTask and HelloWorldProcess components so that the server will generate common base events for these components.
- F. A monitor is defined on the HelloWorldTask and HelloWorldProcess components so that the server will generate common base events for these components.

Correct Answer: B

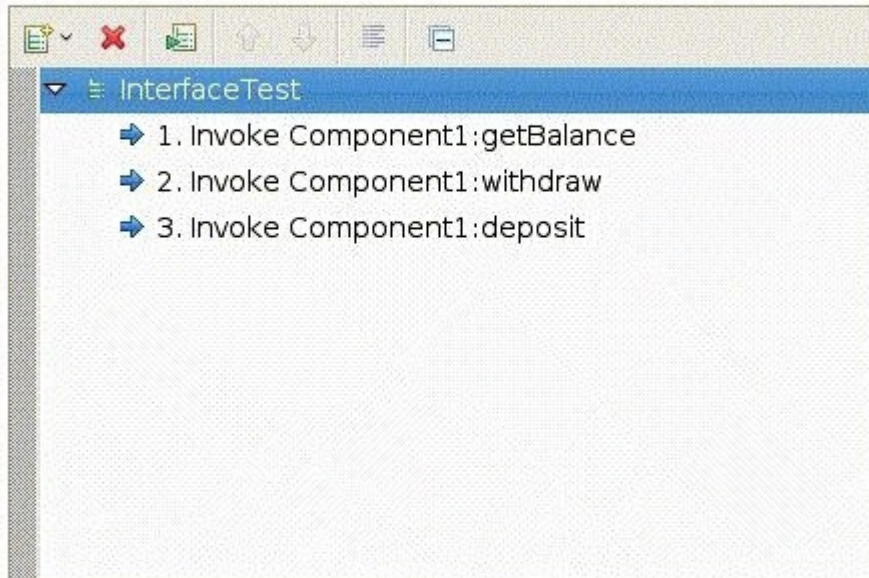
QUESTION 17

Refer to the Exhibit.

Test Suite: ModuleTest

Test Cases

This area displays test cases and their invocations and tasks. Select a test case, invocation, or task to display its properties in the General Properties and Detailed Properties sections. [More...](#)



Detailed Properties

This section displays the links to the test configuration and test variations of the test case that is selected in the Test Cases area. [More...](#)

Test configuration: [ModuleTest](#)

Test variations

 [Default](#)

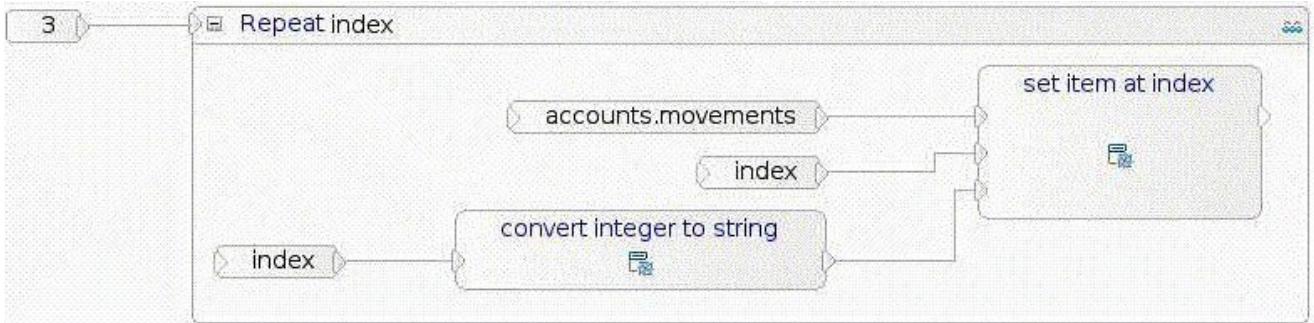
Which of the following statements BEST describes this scenario?

- A. The test suite can't be modified.
- B. The test suite uses the Default data pool when running the test.
- C. The test suite was created using the scenario-based testing pattern.
- D. The test suite was created using the operation-level testing pattern.

Correct Answer: C

QUESTION 18

Refer to the Exhibit.



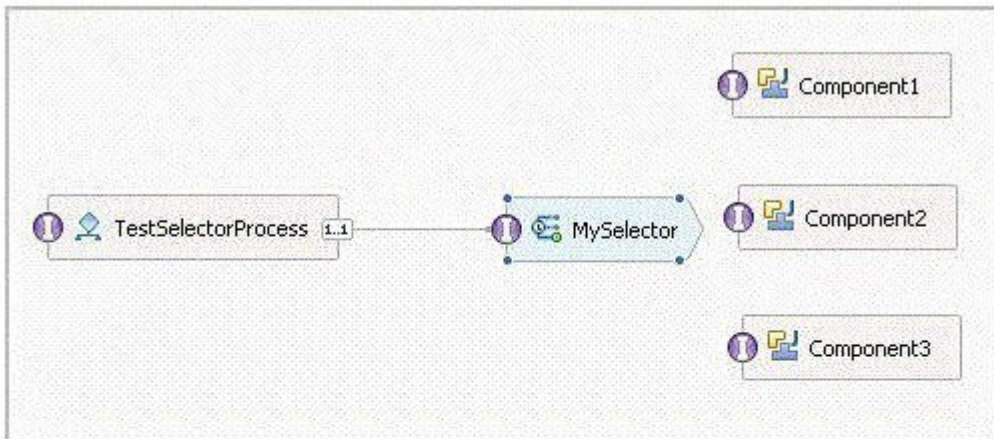
accounts.movements has been initialized as a list of strings with these values {"0","0","0","0","0"}. Which of the following statements about this scenario is TRUE?

- A. The snippet has a compilation error.
- B. The snippet enters into an infinite loop.
- C. After the execution of the snippet, accounts.movements has these values {"0","1","2","0","0"}.
- D. After the execution of the snippet, accounts.movements has these values {"0","1","2","3","0"}.

Correct Answer: C

QUESTION 19

Refer to the Exhibits.



Scheduled Component		
Default Component	Enter SCA Component	
Start Date	End Date	Component
Dec 1, 2010 1:21 PM	Dec 24, 2010 12:00 AM	Component1
Dec 26, 2010 12:00 AM	Jan 1, 2011 12:00 AM	Component2

Which of the following statements is TRUE regarding this configuration?

- A. Component1 and Component2 cannot have different implementation types.
- B. Compile errors occur because there is no default component configured.

- C. If MySelector is invoked on December 25, 2010, a runtime exception will occur.
- D. A runtime exception will be thrown if Component2 is implemented as a business rule.

Correct Answer: C

QUESTION 20

Refer to the Exhibits.



Partner:* Test Browse... Reply Type: Normal Fault

Interface:* Test Fault Name: Fault1

Operation:* operation1

Use data type variables mapping

Name	Type	Read from Variable
Fault(s) operation1Fault1_fault	string	input1

Which of the following statements BEST describes the configuration?

- A. The Reply activity must be placed inside a fault handler.
- B. Fault1 must be defined inside the interface that the process implements.
- C. Once the Reply activity completes, the process will return Fault1 and always end immediately.
- D. The Rethrow activity must be used along with the Reply activity in order to return Fault1 to the caller.

Correct Answer: B

QUESTION 21

Refer to the Exhibit.

▼ Scheduled Rule Logic + ✕

Default Rule Logic	RuleSet1	
Start Date	End Date	Rule Logic
	Jun 5, 2010 12:00 AM	RuleSet1
Jun 5, 2010 12:00 AM		RuleSet2
Selection Criteria	Java	

▼ Available Rule Logic + ✕

- RuleSet1
- RuleSet2

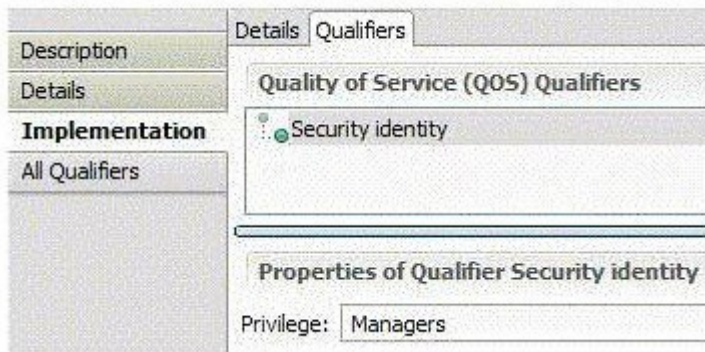
Which of the following statements is TRUE?

- A. The configuration is correct.
- B. The date selection ranges are incorrect.
- C. Java cannot be used for the date selection criteria.
- D. The default rule logic cannot be duplicated in the date selection ranges.

Correct Answer: A

QUESTION 22

Refer to the Exhibit.



Which of the following statements BEST describes the configuration? The configuration represents:

- A. a valid usage of the security identity qualifier, whose value can be set to any valid role name.
- B. an invalid usage of the security identity qualifier because the value of the privilege is not valid.
- C. an invalid usage of the security identity qualifier because the qualifier must be applied along with the security permission qualifier.
- D. a valid usage of the security identity qualifier, whose value can be set to any valid user or group defined within the security realm configured on the server.

Correct Answer: A

QUESTION 23

Refer to the Exhibit.



Which of the following statements is TRUE about this configuration?

- A. The Entry event payload contains all business object data.
- B. The Expired event payload contains only the business object ID.
- C. The Expired event payload contains a time stamp of the event occurrence.

D. Audit Log cannot be selected because there is an event with Full content.

Correct Answer: C

QUESTION 24

An incorrect rule set has been deployed. Since it is called by a long running process in a different module with instances approaching the invocation for the business rule, the rule needs to be corrected as soon as possible. Which of the following is the BEST way to change the rule so that the requirements of the solution can be met?

- A. Edit the rule set file in a text editor and change the result value.
- B. Change the rule set in WebSphere Integration Developer and deploy the module. The change will take affect immediately after the deploy and the running instances will use the changed value.
- C. Navigate to the Business Rules Manager application or open the Business Rules widget in Business Space and modify the rule set, then publish the change. The running instances will use the new value.
- D. Remove the instances in the long running process that will be invoking the rule, change the rule in WebSphere Integration Developer and redeploy the long-running process and the business rules. The removed instances can be resubmitted and will call the updated rule.

Correct Answer: C

QUESTION 25

An integration developer is instructed to temporarily emit new CEI events from a particular component of a module in order to support short-term testing. The module deployed in the test server doesn't have the events needed by the testing team. There are running instances of the long-running process that belong to the module. The integration developer has full access to the test environment, and after the testing phase the original event configuration of the Module must be restored. Which of the following is the BEST approach to accomplish this task?

- A. Create a Java program that simulates the emission of CEI events of the test server.
- B. Modify the CEI log detail of the component, using the administrative console. Restore to the original log detail after the testing tasks are completed.
- C. Modify the component to send the new CEI events and deploy it into the testing environment, then use the CBE Explorer to view the event information.
- D. Modify the component to send the new CEI events and deploy a new version of the module into the test server. When the testing tasks are completed, redeploy the old version.

Correct Answer: B

QUESTION 26

An integration developer is working on a large project that consists of a large number of modules and libraries. The libraries have dependencies on other libraries that have a large number of business objects, interfaces and other resources. Performance testing has shown signs of a large memory footprint. The application goes live in a week. Which of the following tasks should the integration developer perform?

- A. Modify the java properties of the modules and libraries.
- B. Create an independent, global shared library used by all the modules.
- C. Redesign the application to reduce the number of modules and libraries.
- D. Verify that all the dependent libraries are being deployed with the SCA modules that have dependencies on them.

Correct Answer: B

QUESTION 27

Refer to the Exhibit.

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