



Exam : 000-293

Title : WebSphere InterChange Server V4 and  
Toolset Deployment

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**QUESTION 1:**

An error occurs during the execution of a scenario. The WebSphere InterChange Server rolls back the scenario, executing the compensation for each sub-transactional step. What is the lowest transaction level of the collaboration that should be used?

- A. Best Effort
- B. Minimal Effort
- C. Normal
- D. Stringent

Answer: B

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**QUESTION 2:**

Which of the following statements is TRUE about event sequencing when performing Deferred Recovery?

- A. It does not guarantee event sequencing at all.
- B. It guarantees event sequencing of the failed events.
- C. It does not guarantee event sequencing of the in-progress events.
- D. It ensures that the destination adapter receives the events sequentially.

Answer: A

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**QUESTION 3:**

An adapter is configured to use JMS to communicate across the internet. The WebSphere InterChange Server is running and the adapter is starting and able to successfully connect. The administrator would like to configure the adapter automatic or remote restarting for easier adapter management but is not sure what to do. What is the MOST appropriate recommendation for the administrator?

- A. Automatic or remote restarting is not an option for this adapter.
- B. Start the adapter using the steps outlined in "Enabling Object Activation Daemon for adapters" in the Administration documentation.
- C. As long as the adapter agent is running and the adapter Object Activation Daemon properties are configured, automatic or remote starting procedures may be used.
- D. Modify the start\_connector.bat or start\_connector.sh file to start the Object Activation Daemon along with the agent and configure the adapter Object Activation Daemon properties.

Answer: A

**QUESTION 4:**

The project specifications call for exposing the web services outside the enterprise. How should the web services adapter be deployed?

- A. Place the web services adapter within the DMZ and configure the included gateway to manage communications.
- B. Place the web services adapter within the enterprise and configure a third party gateway or firewall to manage communications.
- C. Place the web services adapter within the enterprise and configure the included gateway to manage communications.
- D. Place the web services adapter within the DMZ and configure a third party gateway or firewall to manage communications.

Answer: B

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**QUESTION 5:**

A requirement for a non composite key child cross reference is to implement the:

- A. maintainSimpleIdentityRelationship() API within the sub map that transforms the child.
- B. maintainCompositeRelationship() API within the map that transforms the child.
- C. maintainHierarchicalRelationship() API within the parent map that transforms the child.
- D. updateCompositeRelationship() API with the sub map that transforms the child.

Answer: A

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**QUESTION 6:**

A collaboration object requires an external port when that port is bound to which of the following?

- A. An adapter agent that is running on another machine.
- B. A java access client running on a different machine as the WebSphere InterChange Server.
- C. A collaboration running in a different WebSphere InterChange Server on the same machine.
- D. A servlet running on the same machine as the WebSphere InterChange Server.
- E. A collaboration running in a different WebSphere InterChange Server on a different machine.

Answer: BD

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**QUESTION 7:**

When two applications are passing data to each other, which of the following statements is NOT true about the normal WebSphere InterChange Server architecture?

- A. Adapters extract data from and insert data into applications.
- B. Business object subscriptions are dependent on collaborations.
- C. Maps are called by adapter controllers to transform business objects from application specific to generic formats, or the other way around.
- D. Maps call data handlers so that data from different applications can be cross-referenced.

Answer: D

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**QUESTION 8:**

Which of the following statements is true about the Object Request Broker?

- A. CORBA defines the load balancing of events for all WebSphere InterChange Servers on the WAN.
- B. The Object Request Broker is the recommended application for storing information about Web Services.
- C. The Object Request Broker is a set of libraries and other components that client applications and object servers use to communicate.
- D. Object Request Broker provides asynchronous forms of communication between various WebSphere InterChange Server components.

Answer: C

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**QUESTION 9:**

In a distributed environment, adapters will often exist on different physical machines other than that in which the WebSphere InterChange Server resides. In what manner can the administrator obtain and modify the application specific configuration properties of a given remote adapter?

- A. Through the Connector Configurator
- B. Through the adapter's local configuration file
- C. In the adapter's .properties file
- D. Log into the remote system and edit the agent code
- E. Through the Agent Configurator

Answer: AB

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**QUESTION 10:**

Which of the following methods are NOT recommended for adding a shortcut to a User Project, for an integration component that was just created?

- A. Dependency Tree wizard
- B. Dragging-and-dropping components
- C. repos\_copy
- D. Update Project wizard

Answer: C

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**QUESTION 11:**

Which of the following is true about the WebSphere InterChange Server components functionality?

- A. The WebSphere InterChange Server is best used in for point-to-point integration.
- B. Adapters sometimes need to implement the business logic.
- C. Collaborations are responsible only for providing business logic and rules and can not manipulate the data contained in business object.
- D. WebSphere InterChange Server hosts collaborations that perform business logic and communicates with adapters to access applications.

Answer: D

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**QUESTION 12:**

Service Call Transport Exception (SCaTE) serves which of the following purposes?

- A. Exposes a runtime distinction between application-related failures and transport related failures to the collaboration developer.
- B. Provides better performance in terms of optimal number of interactions with WIP tables.
- C. Provides the configuration of a collaboration to have a persistent state for service calls so that upon crash recovery, incomplete flows can be treated as "In-Transit".
- D. Provides an indication that the Object Request Broker is not running.
- E. Provides an indication that a long-lived transaction failed.

Answer: AC

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**QUESTION 13:**

If an adapter is in the state of "Recovering" while the WebSphere InterChange Server is starting, which of the following is true of the adapter?

- A. The adapter is unable to process service call requests from the server or enter the polling phase until recovery has been completed.
- B. The adapter is unable to process service call requests from the server, but can still poll for new events to be sent to the server.
- C. The adapter is able to process service call requests from the server, but it will not poll for new events.
- D. The adapter acts the same way when in the "Recovering" state as it does under normal circumstances.

Answer: C

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#### **QUESTION 14:**

Which of the following BEST describes a way to perform load balancing across multiple WebSphere InterChange Servers?

- A. Configure multiple Adapter agents to partition and route events from an application to different servers.
- B. Setup the Object Request Broker to act as a router of events between the multiple WebSphere InterChange Servers.
- C. Configure the Adapter controller to receive the events from the Adapter agent and route to the appropriate WebSphere InterChange Server.
- D. Create multiple queue managers for a single adapter.

Answer: A

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#### **QUESTION 15:**

What capability does the Server Access Interface provide to the WebSphere InterChange Server, if any?

- A. It allows adapters to communicate to applications or web servers behind firewalls.
- B. It allows one WebSphere InterChange Server hub to communicate with another WebSphere InterChange Server across the Internet by using Access Framework.
- C. It allows remote CORBA calls to the WebSphere InterChange Server.
- D. The Server Access Interface serves no purpose for the WebSphere InterChange Server.

Answer: C

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#### **QUESTION 16:**

The legacy Accounts Payable application will fail while it is running the batch process if any new POs are added to the application. The AP application batch cycle is scheduled to start at Midnight and complete at 1:30 AM. What can the WebSphere Business Integration administrator do to stop any PO transactions

flowing to the legacy Accounts Payable application during its nightly batch cycle while minimizing the disruption to other applications and integrations?

- A. Schedule the Collaboration to Stop at Midnight and Start at 1:30 AM.
- B. Schedule the Collaboration to Pause at Midnight and Start at 1:30 AM.
- C. Schedule the Adapter to Stop at Midnight and Start at 1:30 AM.
- D. Schedule the Adapter to Pause at Midnight and Start at 1:30 AM.

Answer: B

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**QUESTION 17:**

An event is triggered from an adapter that uses WebSphere MQ as its transport mechanism. The WebSphere InterChange Server shuts down immediately while the event is still in the middle of collaboration processing, and collaboration compensation is turned off. Which of the following will happen to the triggered event?

- A. The event will fail in the collaboration and can be resubmitted from the Flow Manager.
- B. The event will be lost and needs to be resent from the source application.
- C. The event will be recovered at the next WebSphere InterChange Server startup and will be processed at the point in the collaboration it left off.
- D. The event will be recovered and reprocessed from the beginning of the collaboration upon the WebSphere InterChange Server startup.

Answer: D

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**QUESTION 18:**

Which of the following will always cause the execution of a WebSphere InterChange Server flow to fail?

- A. Not setting the initiator of the parent business object.
- B. Not mapping the key of the destination parent business object.
- C. Not setting the verb of the destination parent business object.
- D. Not mapping the ObjectEventId of the destination parent business object.

Answer: C

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**QUESTION 19:**

Two collaborations, A and B, are subscribing to the Order business object. While collaboration A is started and collaboration B is stopped, an Order is sent inbound to the WebSphere InterChange Server. At a much later time, someone notices that collaboration B has been stopped and decides to restart it. Which of the following

will occur as a result of this action?

- A. Collaboration A processed the event immediately. Collaboration B processes the event when it is restarted.
- B. Collaboration A processed the event immediately. Collaboration B never receives the event.
- C. The event failed immediately because collaboration B was stopped. Once collaboration B is restarted, the event can be successfully reprocessed to both collaborations.
- D. Collaboration A processed the event immediately. The administrator receives a warning message indicating collaboration B was stopped at the time the event was processed.

Answer: B

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**QUESTION 20:**

In a multi-developer environment, developer A creates a new Customer in the source application. The event has been triggered and written into the event table. Developer A starts the adapter and doesn't see the event picked up by the adapter or in the system monitor. The event is marked as successfully sent in the archive table. Which of the following BEST explains why the event is not seen by Developer A?

- A. The collaboration is stopped.
- B. An adapter from another WebSphere InterChange Server is running and has polled the event before the adapter Developer A is using.
- C. The event was successfully sent to the target application and was not seen by the developer because the adapter tracing level was set to zero.
- D. Another adapter from the same WebSphere InterChange Server which was not subscribed to the Customer event polled the table and discarded the event.

Answer: B

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**QUESTION 21:**

A transactional collaboration event has failed and the administrator wants to resolve the event. Which of the following is NOT a valid option in the Resolve Transactional Status Window?

- A. Execute all of the compensation steps.
- B. Execute the last compensation step only.
- C. Discard the Transactional collaboration event.
- D. Resubmit the event from the source application.

Answer: D



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**QUESTION 22:**

The destination application will be shutting down and starting up at random times throughout the day. This will cause the adapter to go down as well. The WebSphere InterChange Server administrator does not want any event flows to fail because of the destination application being unavailable. Which of the following should be done to prevent these event flow failures?

- A. Configure the destination adapter for Object Activation Daemon (OAD) support.
- B. Set the destination adapter ControllerStoreandForwardMode property to True.
- C. Set the destination adapter RestartRetryCount property to the max value (99).
- D. Configure the collaboration for long-lived business processes.

Answer: B

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**QUESTION 23:**

If the rollback of a compensation step in a collaboration fails, which of the following will happen to the collaboration?

- A. The collaboration will be in an "in-doubt" state.
- B. The collaboration will become "Inactive."
- C. The collaboration will skip the compensation step and successfully complete the event.
- D. The collaboration will attempt to retry for a given amount of time based on the Compensation\_Retry property in the collaboration object property.

Answer: A

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**QUESTION 24:**

In order to deploy components to the WebSphere InterChange Server from the System Manager, which of the following is true?

- A. Components need to be added first to an Integration Component Library, which is then deployed to the destination WebSphere InterChange Server.
- B. Components need to be added first to a User Project, which is then deployed to the destination WebSphere InterChange Server.
- C. Components need to be added first to a Design Mode InterChange Server, which is then deployed to the destination WebSphere InterChange Server.
- D. Components need to be added first to a Test Mode WebSphere InterChange Server, which is then deployed to the destination WebSphere InterChange Server. The Test Mode WebSphere InterChange Server must be registered as a "Local Test Server" in Register Server wizard of System Manager.

Answer: B

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**QUESTION 25:**

Which of the following is indicated when the MEMORY\_CHECK\_SLEEP parameter is set to zero (0) in the InterchangeSystem.cfg file?

- A. The memory checker facility is allowed to optimize its functionality systematically to determine when the flow control facility needs to be activated.
- B. The memory checker facility is inactive and no flow control will occur.
- C. Only the adapters are monitored for their memory utilization and the WebSphere InterChange Server is not monitored.
- D. Only the WebSphere InterChange Server is monitored for its memory utilization and the adapters are not monitored.

Answer: B

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**QUESTION 26:**

Which of the following is NOT part of the configuration parameters for the WebSphere InterChange Server's built-in memory management functionality?

- A. MEMORY\_CHECK\_SLEEP
- B. ADAPTER\_MEMORY\_CHECK\_SLEEP
- C. MEMORY\_LOWER\_THRESHOLD\_PCT
- D. CW\_MEMORY\_MAX

Answer: B

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**QUESTION 27:**

The Visual Test Connector can be used to emulate a destination adapter. It is capable of many reply types. Which of the following is NOT a valid reply type?

- A. Multiple Hits
- B. Not Found
- C. Retrieve By Content
- D. Value Duplicate

Answer: C

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**QUESTION 28:**

During an initial startup of the WebSphere InterChange Server, which of the following is the WebSphere InterChange Server default mode?

- A. QA
- B. Test
- C. Design
- D. Production

Answer: D

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**QUESTION 29:**

The administrator of a production WebSphere InterChange Server wants to change the default password for outside access into the WebSphere InterChange Server. In what places will such a change need NOT to be made?

- A. System Manager
- B. Adapter shortcuts
- C. Shortcut to start the WebSphere InterChange Server
- D. Password listed in the Connector Configurator

Answer: D

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**QUESTION 30:**

The JDK has been downloaded and installed for a standard WebSphere InterChange Server running on Windows. According to documentation, which system variable needs to be changed to point to the location of the %JDK%\bin directory?

- A. classpath
- B. jvmpath
- C. Path
- D. CROSSWORLDS

Answer: C

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**QUESTION 31:**

Which of the following is NOT part of the configuration parameters for the WebSphere InterChange Servers built in memory management functionality?

- A. MEMORY\_CHECK\_SLEEP
- B. CONNECTOR\_MEMORY\_CHECK\_SLEEP
- C. MEMORY\_LOWER\_THRESHOLD\_PCT
- D. CW\_MEMORY\_MAX

Answer: B

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**QUESTION 32:**

Which of the following statements is true when the WebSphere InterChange Server is configured to utilize high availability?

- A. WebSphere InterChange Server is configured for high availability to enable Load Balancing.
- B. WebSphere InterChange Server is configured for high availability to enable concurrent processing.
- C. WebSphere InterChange Server is configured for high availability to enable failover capability.
- D. WebSphere InterChange Server is configured for high availability to improve performance.

Answer: C

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**QUESTION 33:**

Which of the following OS's are not supported for configuring the WebSphere InterChange Server to utilize high availability?

- A. Sun Solaris
- B. HP-UX
- C. AIX
- D. Windows 2000
- E. Linux

Answer: BE

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**QUESTION 34:**

The WebSphere InterChange Server fails to start and gives the following error:  
"Error 11135:Activation of collaboration <collaboration\_name> group could cause a potential deadlock with one or more existing collaboration groups, and is therefore disallowed"

Which of the following actions will allow the WebSphere Business Integration administrator to restart the WebSphere InterChange Server, so the administrator can resolve the problem?

- A. Clear the WIP tables and restart the server.
- B. Shut Down the collaboration which will clear the deadlocks.
- C. Add a line DEADLOCK\_DETECTOR\_CHECK=false to the COLLABORATION section in the WebSphere InterChange Server configuration file and restart the server.
- D. Add a line DEADLOCK\_RESOLVER=true to the SERVER section in the WebSphere InterChange Server configuration file and restart the server.

Answer: C

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**QUESTION 35:**

Which of the following method calls from a collaboration will directly cause an email to be sent?

- A. logError()
- B. logEmail()
- C. raiseEmail()
- D. raiseException()

Answer: A

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**QUESTION 36:**

A source adapter agent is using WebSphere MQ as a transport mechanism with its controller. Which of the following is true about deleting an event using the Flow Manager?

- A. When choosing to delete an event, it will be deleted from WebSphere MQ and the repository WIP tables.
- B. When choosing to delete an event, it will be deleted from the repository WIP tables. Nothing needs to be done with the WebSphere MQ queue as its own clean up will delete the event.
- C. When choosing to delete an event, the collaboration must be stopped. The event can then be deleted from the WIP table and from the WebSphere MQ queue.
- D. When choosing to delete an event, it will be deleted from the repository WIP tables. The user then must delete the event from the WebSphere MQ queue using the WebSphere MQ Explorer.

Answer: A

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**QUESTION 37:**

During a performance test, there are 10 events in the queue waiting to be processed through Certkiller .comSync collaboration that has been created. The size of the objects is less than 1K. However, there is only one event at a time going through the collaboration. What is MOST likely the cause of this problem?

- A. Event sequencing is occurring.
- B. There must be a problem with the adapter as there is no reason why things should take this long.
- C. The collaboration is probably multi-threaded.
- D. Because the adapter controllers are single threaded, there is no way that the

WebSphere InterChange Server could keep up with the volume.

Answer: A

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**QUESTION 38:**

A WebSphere InterChange Server needs to be restarted. After the WebSphere InterChange Server is restarted and ready, the system is connected through the system manager. However, the status of all of the adapter controllers is paused. Which of the following is the MOST probable cause?

- A. Because the Object Request Broker was not restarted, the adapters were unable to register themselves.
- B. Because WebSphere MQ was not restarted, the adapters were unable to obtain a connection to the queues and so the controllers are stopped.
- C. It is always necessary to restart the adapter controllers upon a restart of the WebSphere InterChange Server.
- D. The WebSphere InterChange Server is unable to start up all of the server components, so the adapters will not start.

Answer: B

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**QUESTION 39:**

During the design phase of a project, it was determined that there can be a very high volume of events in the WebSphere InterChange Server's WIP tables at a given time. Which of the following can be done to help distribute the database load?

- A. The WebSphere InterChange Server database services cannot be distributed across multiple DBMS because there is a restriction that the WebSphere InterChange Server uses that ensures that the database servers remain on the same physical database server.
- B. Partition the WebSphere InterChange Servers Repository service onto a separate DBMS Server.
- C. Partition the WebSphere InterChange Servers Event Management and Transaction services onto a separate DBMS Server.
- D. Create a separate, full database schema install, with the same exact name for each database service.

Answer: C

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**QUESTION 40:**

After a WebSphere InterChange Server crash, an administrator wants to bring the WebSphere InterChange Server back up as soon as possible without waiting for the numerous events in progress to recover for a single collaboration. At the time of the crash, the collaboration was set in a mode that forces the WebSphere InterChange

Server to recover all the events for the collaboration before starting the WebSphere InterChange Server. While the WebSphere InterChange Server is in a down state, which of the following can the administrator do to start the WebSphere InterChange Server back up without first recovering the collaboration events?

- A. Start the WebSphere InterChange Server using the -d option to set all recovered events to Deferred.
- B. Start the adapters first to force the adapter agent to reset all of the events in the queue to failed. Then start the WebSphere InterChange Server.
- C. Edit the InterchangeSystem.cfg file to include a section for the collaboration and set the RECOVERY\_MODE to Deferred.
- D. Clear all of the events from the adapter's WebSphere MQ AP queue and then restart the WebSphere InterChange Server.

Answer: C

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**QUESTION 41:**

When running repos\_copy from the command line, the following error is encountered, even though the WebSphere InterChange Server is on the same machine and is active :

org.omg.CORBA.NO\_IMPLEMENT: Could not locate the following object:  
repository id : IDL:IdlStubs/IEngine:1.0 object name : CROSSWORLDS minor  
code: 0 completed: No The server CROSSWORLDS is probably not running  
Which of the following actions will MOST quickly resolve this problem?

- A. Restart the Object Request Broker and then start up the WebSphere InterChange Server.
- B. Restart WebSphere MQ and the Object Request Broker.
- C. Reboot the machine and start the WebSphere InterChange Server.
- D. Change the Object Request Broker port from 14000 to 14010, start the Object Request Broker and restart the WebSphere InterChange Server.

Answer: A

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**QUESTION 42:**

There are various ways to shut down the WebSphere InterChange Server in a UNIX environment from a command line. Which of the following is the LEAST recommended by the WebSphere Business Integration documentation?

- A. kill -9 <processId>
- B. kill <processId>
- C. Ctrl+C
- D. ics\_manager -stopgraceful

Answer: A

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**QUESTION 43:**

Which of the following scripts is NOT provided by WebSphere Business Integration Server to deal with WebSphere MQ configuration?

- A. start\_mq.bat or start\_mq.sh
- B. configure\_mq.bat or configure\_mq.sh
- C. clear\_mq.bat or clear\_mq.sh
- D. stop\_mq.bat or stop\_mq.sh

Answer: D

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**QUESTION 44:**

Upon start up of the WebSphere InterChange Server on Windows, an error forces the WebSphere InterChange server to shutdown and closes the window. An error message was generated but the message can't be read because the window closed. Which of the following can be performed to ensure that the WebSphere InterChange Server window stays open upon receiving a fatal error during start up?

- A. Add the "echo on" command to the bottom of start\_server.bat file.
- B. Add the "pause" command to the bottom of start\_server.bat file.
- C. Add the -o command to the InterChange Server shortcut command line.
- D. Add the -p command to the InterChange Server shortcut command line.

Answer: B

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**QUESTION 45:**

Which of the following parameters should be configured to reduce the frequency of garbage collection cycle in the WebSphere InterChange Server or Adapter JVM?

- A. Increase the Max Heap Size Parameter
- B. Decrease the Max Heap Size Parameter
- C. Increase the Native Stack Size Parameter
- D. Decrease the Native Stack Size Parameter

Answer: A

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**QUESTION 46:**

A WebSphere InterChange Server administrator is having a memory problem



compiling a map deployed on a WebSphere InterChange Server running on a UNIX machine. Which of the following Java parameters should be increased to successfully compile the map?

- A. The stack size
- B. The minimum heap size
- C. The maximum heap size
- D. The native stack size

Answer: C

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**QUESTION 47:**

A custom adapter needs to be created for a project. Which of the following is the recommended format for application-specific information in a business object?

- A. A comma delimited list of parameters.
- B. A comma delimited list of name-value pairs.
- C. A semicolon delimited list of name-value pairs.
- D. A semicolon delimited list of parameters.

Answer: C

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**QUESTION 48:**

Which of the following statements about the Business Object Designer is MOST accurate?

- A. A business object definition can be created and deleted in the Business Object Designer without being connected to the WebSphere InterChange Server. One must be connected to the WebSphere InterChange Server when deploying the business object definition to the repository.
- B. A business object definition can be created, edited, and deleted in the Business Object Designer without being connected to the WebSphere InterChange Server. One must connect to the WebSphere InterChange Server to deploy the business object definition to the repository.
- C. A business object definition can be created and edited in the Business Object Designer without being connected to the WebSphere InterChange Server. One must be connected to the WebSphere InterChange Server to save or delete a business object definition.
- D. Business Object Designer must be connected to the WebSphere InterChange Server in order to create, update or delete a business object definition.

Answer: B

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**QUESTION 49:**

An Object Discovery Agent is most useful when:

- A. Creating generic business objects.
- B. Creating application specific business objects.
- C. Requirements specifying that an adapter agent be capable of being restarted remotely, or upon system failure.
- D. Creating business logic for a collaboration template.

Answer: B

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**QUESTION 50:**

Certkiller .com uses a common payroll object model to represent their payroll business process data. Every corporate application follows the same common payroll object model. The corporate payroll applications are all MQ enabled, using WebSphere MQ as their API to integrate with outside applications. They wish to distribute the payroll data from their corporate payroll applications to their 50 divisional offices. Each divisional office has their unique payroll application and primary keys. Which of the following approaches and designs should be recommended for the WebSphere InterChange Server business objects?

- A. Create 2 business objects. A common payroll business object, one business object that is a superset of all the fields from each of the unique divisional office payroll applications.
- B. Create 3 business objects. A common payroll business object, a generic business object, and one business object that is a superset of all the fields from each of the unique divisional payroll applications.
- C. Create 51 business objects. A common payroll business object, and 50 business objects, one for each unique divisional payroll application. A separate generic object is not required because the common payroll business object can be bound to the source port in the collaboration template.
- D. Create 52 business objects. A common payroll business object, 50 application specific business objects, one for each unique divisional payroll application, and a generic object. A generic object is required to comply with the generic object model that the WebSphere InterChange Server uses. Collaborations use generic business objects.

Answer: D

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**QUESTION 51:**

A system administrator wants to improve the performance of a multi-threaded adapter. By adjusting the AgentConnections adapter configuration parameter, the administrator is specifying which of the following?

- A. The number of sessions opened to an application.
- B. The number of IIOP threads/channels opened for request transport between the agent

and controller.

C. The number of queues allocated for the communication between the agent and controller.

D. The number of slave processes to instantiate in the CAP (Connector Agent Parallelism) processing environment.

Answer: B

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**QUESTION 52:**

While reviewing the structure of the application specific business objects for a project, it is noticed that the Maximum Length property of each string attribute has been set to 1. The source application has data greater in length than one character. What effect will this have on the data as it is passed through the system?

A. All attributes with a maximum length of 1 will automatically be truncated to one character in the map.

B. The map will throw a data validation exception error and the flow will fail.

C. This will not restrict the number of characters contained in each attribute of the object.

D. The WebSphere InterChange Server will throw an error and fail the flow if the actual data is longer than the maximum length.

Answer: C

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**QUESTION 53:**

While designing a custom adapter, it was discovered that the API to call depends upon the application's object type and the action to perform on the object. It has been decided too that the adapter should be meta-data driven. Which of the following is the MOST appropriate place to contain the API information?

A. Connector Properties

B. Object-level Application-Specific Info

C. Verb-level Application-Specific Info

D. Attribute-level Application-Specific Info

Answer: C

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**QUESTION 54:**

Which one of the following is the proper way to create an instance of the DataHandler when using the Server Access Interface?

A. Set the MIME Type variable in the access client. Create an attribute in the MO\_Server\_DataHandler meta-object with the same name as the supported MIME type. Provide the name of the MIME type's associated child meta-object as the attribute's type.

This child meta-object uses the `ClassName` attribute to create an instance of the `DataHandler`.

B. Implement the `createHandler` method in the access client, passing in the `className` argument. The `createHandler` method creates an instance of the `DataHandler` directly from the access client, according to the value of the `className` argument that was passed in.

C. Set the MIME type and BOPrefix in the access client. Create an attribute in the `MO_Server_DataHandler` meta-object with the same name as the supported BOPrefix and MIME type. The BOPrefix is combined with the MIME type to form the key of the meta-object. Provide the name of the BOPrefix and MIME type's associated child meta-object as the attribute's type. This child meta-object uses the `ClassName` attribute to create an instance of the `DataHandler`.

D. Implement the `createHandler` method in the access client, passing in the `MIMETYPE` argument. Create an attribute in the `MO_Server_DataHandler` meta-object with the same name as the supported MIME type. The `createHandler` method uses the MIME type to locate the attribute in the `MO_Server_DataHandler`. Provide the name of the MIME type's associated child meta-object as the attribute's type. This child meta-object uses the `ClassName` attribute to create an instance of the `DataHandler`.

Answer: A

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### **QUESTION 55:**

An adapter is configured to use the Object Activation Daemon. The administrator starts the WebSphere InterChange Server and attempts to initially start the remote adapter agent using the Object Activation Daemon. Which of the following will occur as a result of the administrator's actions?

A. The Object Activation Daemon may not be used to explicitly start the agent by an administrator.

B. The adapter agent starts and connects to the WebSphere InterChange System resulting in the System Monitor displaying Active. Object Activation Daemon does nothing else for the agent.

C. The adapter agent starts and connects to the WebSphere InterChange Server. The adapter can then be paused, stopped and started with the Object Activation Daemon by the administrator.

D. The adapter agent will start and connect to the WebSphere InterChange System and can automatically reconnect if the adapter goes down and automatic restart is configured.

Answer: A

---

### **QUESTION 56:**

Project documents specify that duplicate events cannot be processed. In order to ensure guaranteed event delivery without duplicate events, what should be the normal recommendation for configuring a JMS enabled connector that uses a JMS

event store (polling source)? (Assume the adapter has been properly coded per the Connector Development Guide)

- A. Set ContainerManaged=JMS and DuplicateEventElimination=true.
- B. Set ContainerManaged=JMS, DuplicateEventElimination=true, and specify a MonitorQueue.
- C. Set ContainerManaged=JMS and DuplicateEventElimination=false.
- D. Set ContainerManaged=<no value>, DuplicateEventElimination=true, and specify a MonitorQueue.

Answer: C

---

**QUESTION 57:**

An implementation requires the use of a remote agent across the Internet. The company wants to configure the adapter for best performance. What is the MOST appropriate recommendation?

- A. Set DeliveryTransport=MQ and use the WebSphere MQ protocol, along with Security Socket Layer (SSL) to ensure secure communication over the Internet.
- B. Set DeliveryTransport=JMS and use the WebSphere MQ protocol, along with Security Socket Layer (SSL) to ensure secure communication over the Internet.
- C. Set DeliveryTransport=MQ and use the WebSphere MQ Internet Pass Through (MQIPT) to pass information over the internet using HTTP/S.
- D. Set DeliveryTransport=JMS and use the WebSphere MQ Internet Pass Through (MQIPT) to pass information over the Internet using HTTP/S.

Answer: B

---

**QUESTION 58:**

A system administrator would like to improve the throughput of a connector and is considering the use of Connector Agent Parallelism. What is the MOST appropriate recommendation regarding when to use Connector Agent Parallelism?

- A. If the adapter agent is written in C++ and accesses an application which prohibits concurrent processing.
- B. To reserve adapter processes for any access framework calls that come from a collaboration.
- C. If an adapter needs to make exclusive use of global resources.
- D. If the adapter is written in C++.
- E. If the adapter agent is written in Java and needs to hold synchronization locks in calling the application APIs.

Answer: BD

---

**QUESTION 59:**

An adapter is polling for events. There is a trigger that puts an event into the event table. However, when the adapter polls the event, the event is put into the archive table with a status of UNSUBSCRIBED. It has also been confirmed that there is a collaboration object that is subscribing to this event. Which of the following is NOT an appropriate troubleshooting step to resolve this problem?

- A. Check to see if the business object is associated in the adapter and that it is listed as an Agent Supported business object.
- B. Check to see if the adapter property ControllerStoreAndForwardMode is properly set to true (and true is spelled in lower case).
- C. Check to see if in the event table that the business object and verb are spelled correctly (matching the business object spelling) and that the case sensitivity is correct.
- D. Check to see if the business object has an associated map which maps from the subscription application specific business object to the generic business object and that this map is associated with the business object in the adapter controller.

Answer: B

---

**QUESTION 60:**

The system design team needs to know when they might use Connector Agent Parallelism. The MOST appropriate guidance regarding Connector Agent Parallelism is to say that it is designed to:

- A. Enable adapters to process in a distributed environment.
- B. Overcome bottlenecks in single threaded adapters.
- C. Allow for multiple polling threads to exist for a single adapter to speed up the polling process.
- D. Allow a multi-threaded adapter agent to talk to multiple controllers.

Answer: B

---

**QUESTION 61:**

If the WebSphere InterChange Server sets the state of an adapter to recovery mode, which of the following is TRUE?

- A. The adapter is unable to process service call requests from the server or enter the polling phase until recovery has been completed.
- B. The adapter is unable to process service call requests from the server but can still poll for new events to be sent to the server.
- C. The adapter is able to process service call requests from the server but is not allowed to poll for new events.
- D. The adapter acts the same way when in the recovery state as it does under normal

circumstances.

Answer: C

---

**QUESTION 62:**

The requirement is to integrate data between a legacy system (system A) to the new data warehouse (system B). Due to the cost required to modify system A, no additional modifications will be made. The last modifications to system A, allow for the export of flat files containing XML formatted data. All data is migrated from system A to system B. Which of the following adapters is the best option for retrieving the data from system A?

- A. XML adapter
- B. Jtext adapter
- C. Custom adapter
- D. Web Services adapter

Answer: B

---

**QUESTION 63:**

Certkiller .com has a legacy system that they want to connect to WebSphere Business Integration InterChange Server. They can build a custom adapter or use an out of the box technology adapter. Which of the following is NOT a major concern when deciding what adapter to use?

- A. The application's data structure.
- B. How long into the future the legacy application will be in production.
- C. The cost of building the custom adapter.
- D. Whether or not they need real time integration with the application and the WebSphere InterChange Server.

Answer: A

---

**QUESTION 64:**

Application X provides four connectivity options to send data into it: MQSeries Adapter, JText Adapter, JDBC Adapter and XML Adapter. The source applications include an ERP system, a CRM system and end users through a web browser. Which of the following adapters is the LEAST appropriate option?

- A. MQSeries Adapter
- B. JText Adapter
- C. JDBC Adapter
- D. XML Adapter

Answer: B

---

**QUESTION 65:**

Research on connectivity to Application X shows that the only two options are through direct database table access or flat files. Which of the following additional information will favor file-based approach over table access? (Assume events will be both going in and coming out of Application X.)

- A. Application X is the system of record for most data in the company.
- B. Data integrity is a concern.
- C. Cross reference information must be maintained.
- D. Compensation is required.

Answer: B

---

**QUESTION 66:**

A call to the `DataHandler.createHandler()` supplies a MIME type and a business-object prefix. Which of the following can the `createHandler()` do to locate the `ClassName` attribute to instantiate the data handler?

- A. Interpret the business-object prefix value as a MIME subtype and prepend it to the MIME type to create a MIME-type string of the form: `BOPrefix_MIMETypeString`.
- B. Search the top level meta-object for attributes that are of type `"BOPrefix_MIMETypeString"`. If the `createHandler()` method does not find a matching MIME-type string in the top level meta-object, it throws an Exception.
- C. Search the top level meta-object for attributes that are of type `"MIMETypeString_BOPrefix"`. If the `createHandler()` method does not find a matching MIME-type string in the top level meta-object, it throws an Exception.
- D. Search the top level meta-object for attributes that are of type `"MIMETypeString_BOPrefix"`. If no attribute of the name `"MIMETypeString_BOPrefix"` exists, the `createHandler()` method looks for an attribute in the top level meta-object that matches the MIME type: `"MIMETypeString"`.

Answer: D

---

**QUESTION 67:**

While developing a custom `DataHandler` to be called from an adapter, which of the following will MOST likely cause the `DataHandler` NOT to compile?

- A. The following classes are not implemented in the custom data handler: `createHandler()`, `getOption()`, `setOption()`
- B. The following classes are not implemented in the custom data handler: `getBO()`,



getStreamFromBO(), getStringFromBO()

C. The location of the data handler class name, or the jar file which contains the class, is not in the classpath of the calling adapter.

D. The location of CwDatahandler.jar is not in the classpath of the compiler.

E. A meta-object does not exist with a MIME type that corresponds to the class name of the data handler. i.e. a custom data handler a full name of

"com.crossworlds.DataHandlers.text.customFixedWidth" would have a MIME type of

"custom\_Fixed\_Width"

Answer: BD

---

#### **QUESTION 68:**

The BEST way to optimize performance when instantiating a DataHandler from the context of a custom adapter is to:

A. Set the delivery transport for the custom adapter to IDL.

B. Specify the name of the DataHandler class in the ClassName parameter of the createHandler() method.

C. Import the appropriate DataHandler into the custom adapter class and call the createHandler() method of that DataHandler.

D. Create a single child-level meta object for each DataHandler in the default DataHandler meta object. Then specify the BOPrefix and MIME type in the createHandler() method to locate the child-level meta object.

Answer: B

---

#### **QUESTION 69:**

The XML DataHandler errors out while processing an XML message. It cannot determine which business object to create based on the <!DOCTYPE ROOT-ELEMENT-NAME>. Which of the following custom components should be written?

A. BO Handler

B. SAX Parser

C. Name Handler

D. XML DataHandler

Answer: C

---

#### **QUESTION 70:**

An adapter plans to expose a collaboration as a web service on Windows. What is the first step that needs to be completed for this to happen?

- A. Ensure that the Web Services Adapter is running.
- B. Ensure that the Web Monitor is running.
- C. Run the enable\_webservices.bat.
- D. Run the WSDL Object Delivery Agent.

Answer: C

---

**QUESTION 71:**

Which of the following statements about Web Services capability of WebSphere Business Integration is true?

- A. The Web Services adapter uses SOAP protocol to communicate with WebSphere InterChange Server.
- B. The Web Services adapter supports both synchronous and asynchronous modes.
- C. The Web Services adapter can automatically connect to a UDDI (Universal Description, Discovery and Integration) Registry.
- D. To receive SOAP messages from the Internet without a gateway, IBM recommends the Web Services adapter to be deployed in the DMZ.

Answer: B

---

**QUESTION 72:**

Which of the following Protocol Listeners is utilized to provide a persistent asynchronous web service?

- A. SOAP/HTTP
- B. SOAP/HTTPS
- C. SOAP/JMS
- D. SOAP/MQ

Answer: C

---

**QUESTION 73:**

Which of the following is not an Object-level Application Specific Information (ASI) in the Top Level Object (TLO) read by the protocol listener of a web services synchronous event?

- A. ws\_collab
- B. ws\_mode
- C. ws\_verb
- D. ws\_protocol

Answer: D

---

**QUESTION 74:**

Which of the following pairs of queues are required for exposing a collaboration as a SOAP/JMS web service?

- A. InputQueue and ErrorQueue
- B. InputQueue and InProgressQueue
- C. InProgressQueue and ReplyToQueue
- D. ArchiveQueue and ErrorQueue

Answer: B

---

**QUESTION 75:**

While working in the production mode, the map developer is able to compile the map in the map designer. However after the map is deployed to the WebSphere InterChange Server, it is found through tracing that the map class file is not found when a flow passes through the WebSphere InterChange Server. Microsoft Explorer was checked to see that the proper Java Development Kit was installed on the WebSphere InterChange Server machine. What is the MOST likely cause of the problem of the map not being found by the WebSphere InterChange Server?

- A. The collaboration cannot find the map, since the map name is not set in the collaboration template properties.
- B. Maps are unable to be compiled on the runtime server. The map class file must be physically moved to the WebSphere InterChange Server from the development server.
- C. The path to the Java Development Kit was not entered in the Environment variables on the WebSphere InterChange Server machine.
- D. The Compile checkbox was not checked when deploying the map as part of the project. While in the production mode, this does not need to be checked.

Answer: C

---

**QUESTION 76:**

A custom class was created that will be used in several maps. The custom class was packaged into a java archive (jar) file. However when testing the map, the map fails to compile and shows a compilation error where the custom java class is called from the map. What are the MOST likely reasons for the compilation error?

- A. The custom class was not built using the provided WebSphere Business Integration mapping API methods.
- B. An import statement was not added to the map file declaration block.
- C. When the map was deployed the Compile checkbox was not checked.
- D. The custom java class was not properly added to the classpath.

E. The custom java class did not implement the MapExeContext interface.

Answer: BD

---

**QUESTION 77:**

A map has tested correctly in the Map Designer, but a failure still occurs within the WebSphere InterChange Server (not at the agent) in an end to end flow. What is the MOST likely cause of this problem?

- A. The destination business object in the map did not have its proper calling context value coded and set with a value.
- B. The destination business object in the map did not have its verb value coded and set with a value.
- C. An attribute marked as "Required" in the business object attributes definition was not properly coded and set with a value.
- D. An attribute marked as a "Key" in the business object attributes definition was not properly coded and set with a value.

Answer: B

---

**QUESTION 78:**

On Event delivery of a business object, when does the connector controller call a map?

- A. After the flow is retrieved from the messaging queue and after the flow is published to subscribing collaborations.
- B. After the flow is retrieved from the messaging queue and before the flow is published to subscribing collaborations.
- C. Before the flow is retrieved from the messaging queue and after the flow is published to subscribing collaborations.
- D. Before the flow is retrieved from the messaging queue and before the flow is published to subscribing collaborations.

Answer: B

---

**QUESTION 79:**

In the Map Designer, a successfully compiled map is being tested with an identity relationship using the Create verb and the SERVICE\_CALL\_RESPONSE calling context. The map test fails on the relationship map rule. Which of the following is NOT a possible cause of why the test failed?

- A. The instance id for the generic business object was not provided. This instance id can be found in the result of the EVENT\_DELIVERY calling context map test.

- B. The name provided for the application specific business object is incorrect in the IdentityRelationship.maintainSimpleIdentityRelationship() method.
- C. Key data for the attribute that has the relationship in the application specific object was not provided. This data is provided by the user, and the user can enter any number that will write to the relationship database.
- D. Key data for the application specific object was not provided. This data can be found in the result of the SERVICE\_CALL\_REQUEST calling context map test.

Answer: D

---

**QUESTION 80:**

Which of the following statements is true about the IdentityRelationship.foreignKeyXref() method and the IdentityRelationship.foreignKeyLookup() method?

- A. foreignKeyXref() should be used on the EVENT\_DELIVERY map when the desire is for the identity relationship of the foreign key to be populated if it is missing. foreignKeyLookup() does not provide this feature.
- B. foreignKeyXref() is used when pulling foreign keys out of a table. foreignKeyLookup() can be used for this too but can also populate the table if the relationship data is missing.
- C. foreignKeyLookup() is used on EVENT\_DELIVERY and foreignKeyXref() on SERVICE\_CALL\_REQUEST when using collaboration wrappers with a Verify Process.
- D. foreignKeyLookup() is used when there is only one foreign key. foreignKeyXref() is used when there is more than one foreign key.

Answer: A

---

**QUESTION 81:**

Which of the following is the MOST appropriate implementation for safe usage and testing of the IdentityRelationship.foreignKeyXref() and IdentityRelationship.foreignKeyLookup() methods?

- A. Using IdentityRelationship.foreignKeyXref() in the EVENT\_DELIVERY map and IdentityRelationship.foreignKeyLookup() in the SERVICE\_CALL\_RESPONSE map and not calling IdentityRelationship.foreignKeyLookup() when the verb is Retrieve.
- B. Using IdentityRelationship.foreignKeyLookup in the EVENT\_DELIVERY map and IdentityRelationship.foreignKeyXref() in the SERVICE\_CALL\_RESPONSE map and only calling IdentityRelationship.foreignKeyLookup() when the verb is Update.
- C. Using IdentityRelationship.foreignKeyXref() in the EVENT\_DELIVERY map and IdentityRelationship.foreignKeyLookup() in the SERVICE\_CALL\_RESPONSE map and only calling foreignKeyLookup() when the verb is not Create.
- D. Using IdentityRelationship.foreignKeyXref() in the SERVICE\_CALL\_RESPONSE map and IdentityRelationship.foreignKeyLookup() in the SERVICE\_CALL\_REQUEST

map and calling the IdentityRelationship.foreignKeyLookup() when the verb is Retrieve.

Answer: A

---

**QUESTION 82:**

When setting up the test for a map in the Map Designer tool, which of the following statements are true?

- A. The Calling Context drop down box only needs to be accurately set when testing a map with relationship methods.
- B. When testing a map, the code for bringing the verb to the destination business object must have been coded.
- C. When testing a map with relationship methods, the setting of the verb in the drop down box is not important.
- D. When testing a map with IdentityRelationship.maintainSimpleIdentityRelationship() method, the generic object needs to be a source business object when testing with the Calling Context of EVENT\_DELIVERY.
- E. When testing a map with the IdentityRelationship.maintainSimpleIdentityRelationship() method, source data must be provided for the key attribute in the SERVICE\_CALL\_RESPONSE calling context map.

Answer: AE

---

**QUESTION 83:**

After creating a static relationship with the checkbox of Cached checked in the Relationship Designer and then saving it, a user goes to the database and notices that the relationship tables are missing. What is the MOST likely reason for the absence of the relationship tables?

- A. Tables are not used for static relationships as the data is kept in text files and cached when processing.
- B. The "IBM WBI managed" checkbox did not have a check in it before the relationship was saved.
- C. The static relationship needs to be deployed to the WebSphere InterChange Server with the setting "Create schema" checked.
- D. The tables will not be created until the WebSphere InterChange Server is restarted.

Answer: C

---

**QUESTION 84:**

When creating a relationship, the "IBM WBI managed" checkbox tells the WebSphere InterChange Server:

- A. Not to create a database table for the participant, which is normally a generic business object.
- B. To first check if the database table already exists before actually creating it to avoid database errors.
- C. To automatically create database stored procedures associated with the relationship table.
- D. That the participant is a static relationship, so no stored procedures should be built.

Answer: A

---

**QUESTION 85:**

During benchmark testing of the WebSphere InterChange Server, it is noticed that the system throughput is being constrained by the large number of calls to the database by the relationships. In order to reduce the calls to the database and increase system throughput, what is the documented recommendation when considering whether or not to cache relationships?

- A. All of the dynamic and static relationships should be cached.
- B. Only those dynamic and static relationships that have less than 1000 rows of data should be cached.
- C. Only those static relationships that have less than 1000 rows of data should be cached.
- D. All of the static relationships should be cached.

Answer: C

---

**QUESTION 86:**

A map with the IdentityRelationship.maintainSimpleIdentityRelationship() method coded within it tests fine in the Map Designer tool. However, when a flow is passed on an end to end test, the flow fails within the WebSphere InterChange Server (not at the agent). What is the MOST likely reason for why the flow failed?

- A. The map was not deployed to the server, or when it was deployed it did not compile because of a misconfiguration of the JDK install.
- B. The calling context on the destination business object of the map was not properly coded and set with a value.
- C. An attribute marked with the "Key" property in the business object definition was not properly coded and set with a value.
- D. Within the maintainSimpleIdentityRelationship() method the Relationship name parameter was improperly set.

Answer: A

---

**QUESTION 87:**

The IdentityRelationship.maintainChildVerb() method is responsible for which of the following?

- A. Making certain that the verb of child objects is not modified.
- B. Ensuring that the verb for all the child objects are set to that of its parent when the parent verb is either Create, Update or Delete.
- C. Setting the child object verb based on the map execution context, the verb of the parent object and the state of the relationship tables.
- D. Maintaining the child business object verb based on the map execution context and the verb of the parent business object.

Answer: C

---

**QUESTION 88:**

A consultant is assigned to implement a relationship in a WebSphere Business Integration interface. The relationship will have 30 rows pre-populated with data in it for each application. Once the interface is in production no rows will need to be written to the relationship tables by the interface. What are the two MOST appropriate methods to use to implement this relationship?

- A. Relationship.retrieveInstances() and Relationship.retrieveParticipants()
- B. Participant.setInstanceId() and Participant.getInstanceId()
- C. IdentityRelationship.foreignKeyXref() and IdentityRelationship.foreignKeyLookup()
- D. Participant.setParticipantDefinition() and Participant.getParticipantDefinition()

Answer: A

---

**QUESTION 89:**

The major difference between the IdentityRelationship.foreignKeyXref() and the IdentityRelationship.foreignKeyLookup() methods is:

- A. foreignKeyXref() can write to cross reference tables, foreignKeyLookup() cannot.
- B. foreignKeyLookup can be used on EVENT\_DELIVERY calling context maps. foreignKeyXref() should not be used on EVENT\_DELIVERY calling context maps.
- C. foreignKeyXref() is used on add data to or retrieve data from dynamic relationships, foreignKeyLookup() is used to retrieve data from static relationships.
- D. foreignKeyXref() will change the verb to Update when a foreign key is found. foreignKeyLookup() will not change the verb.

Answer: A

---

**QUESTION 90:**

A business object from the source application is made up of an order object that



contains an array of child order line objects. However the business object that will be placed on destination application is made up of an order object and each order contains only a single order line object. What is the BEST possible mapping solution below if the goal is not to lose order lines in the interface?

- A. Use java code within the map to separate the child objects and place them with a unique parent object. The result would be a source object with three children ending up having three separate parent objects each with one of the children.
- B. Have the adapter controller of the source application call a polymorphic map that will separate the child objects and place them with a unique parent object. The result would be a source object with three children ending up having three separate parent objects each with one of the children.
- C. Have the destination adapter controller call a map that calls another map that will separate the child objects and place them with a unique parent object. The result would be a source object with three children ending up as three separate parent objects each with one of the children.
- D. Have the collaboration call a map that will separate the child objects and place them with a unique parent object. The result would be a source object with three children ending up having three separate parent objects each with one of the children.

Answer: D

---

### **QUESTION 91:**

During Multiple Input Object Mapping, the mechanism to loop through the source child objects includes which of the following?

- A. The map will be called from within a collaboration, implement a for loop and populate the array that is passed to the runMap() call with both the source container object and the current child object.
- B. The map will be called from within another map, implement a for loop and populate the array that is passed to the runMap() call with both the source container object and the current child object.
- C. The map will be called from within another map, implement an iterator node and populate the array that is passed to the runMap() call with both the source container object and the current child object.
- D. The map will be called from within another map, implement a for loop and populate the array that is passed to the runMap() call with both the destination container object and the current child object.

Answer: B

---

### **QUESTION 92:**

A working interface takes orders from one application and passes them to an order collaboration. Due to new requirements, the interface needs modifications to pass

any orders generated from internal sources to a requisition collaboration. A polymorphic map is created to distinguish between order types of "External" and "Internal". (Thus "External" orders are called orders and "Internal" orders are called requisitions.) A requisition map is created and the requisition collaboration set up to receive "Internal" orders appropriately. However, upon testing, it is found that the system still passes all the data generated by the source system to the order processing collaboration and never to the requisition processing collaboration. What is the MOST likely cause of this?

- A. In the runmap() method call in the polymorphic map, the consultant did not specify the MAP\_TYPE parameter as CWPOLY.
- B. In the connector controller, the consultant did not set the Wire Format property as CWMAP.
- C. In the connector controller, the consultant did not explicitly bind the polymorphic map.
- D. In the polymorphic map, the consultant did not import the setContent package which allows the polymorphic map to call another map.

Answer: C

---

**QUESTION 93:**

A temporary variable is being used in a map. In testing, it is noticed that the data from the temporary variable value from the previously run instance of the map sometimes is populating the destination attribute in the next runtime instance of the map. Which of the following solutions are recommended to fix this problem?

- A. Set the adapter controller property "MAP\_REUSE" to false.
- B. Explicitly initialize the temporary variable value to null in the map.
- C. Uncheck the "Map instance reuse" check box for the map.
- D. Provide a default value for the destination application data in the map and set the USE\_DEFAULT value to true in the adapter controller.
- E. Put the statement "INITIALIZE\_GLOBAL\_VARIABLES\_TO\_NULL = true" in the InterchangeSystem.cfg file.

Answer: BC

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**QUESTION 94:**

What is the purpose of the to\_Retrieve parameter in the IdentityRelationship.maintainChildVerb() method?

- A. On any verb, the setting of the to\_Retrieve argument determines whether or not the method retrieves the child relationship rows on a SERVICE\_CALL\_REQUEST.
- B. On the Retrieve verb, the setting of the to\_Retrieve argument determines whether or not the method retrieves the child relationship rows on an EVENT\_DELIVERY.

- C. On the Update verb, the setting of the to\_Retrieve argument determines whether or not the method retrieves the child relationship rows on a SERVICE\_CALL\_RESPONSE.
- D. On the Create verb, the setting of the to\_Retrieve argument determines whether or not the method retrieves the child relationship rows on a EVENT\_DELIVERY.

Answer: C

---

**QUESTION 95:**

For proper child object management, where and in which map does one call the updateMyChildren() method?

- A. Within the parent map after the call to maintainCompositeRelationship() for all maps that transform dependent child objects.
- B. Within the child map before the call to maintainSimpleIdentityRelationship() for all maps that transform dependent child objects.
- C. Within the parent map before the call to maintainCompositeRelationship() for all maps that transform dependent child objects.
- D. Within the child map after the call to maintainCompositeRelationship() for all maps that transform dependent child objects.

Answer: A

---

**QUESTION 96:**

When a collaboration receives a delegated child business object, it should treat the business object as a reference-valued business object. A reference-valued business object contains which of the following?

- A. The business object with its Primary Keys.
- B. The business object with its ObjectEventId.
- C. The business object along with its child objects and its attributes.
- D. The business object along with its attributes, but not its child objects.

Answer: A

---

**QUESTION 97:**

A collaboration is configured with the "Maximum number of concurrent events" set to 5. The collaboration has 20 flows currently in progress as seen in the Collaboration Statistics window in the System Monitor. Which of the following events will MOST likely cause this behavior?

- A. Web Services events
- B. Service Access Calls

- C. Event triggered flows
- D. Long Lived Business Transactions in the collaboration

Answer: B

---

**QUESTION 98:**

A new interface requires that data be sent from a homegrown legacy system with no Java or C++ API to a DB2 v8.1 database running on AIX. The interface requires two asynchronous transaction types: Create and Update. The transaction type is determined by the run time value of the "Action" attribute in the flat business object. What is the BEST practice to accomplish integration between the two systems to support the two transaction types, with respect to ease of maintenance and support?

- A. Output the data from the homegrown legacy application to a flat file. The JText adapter could use a DataHandler to parse the string into a business object, setting the verb to "Create". In the collaboration template, get the value of the "Action" attribute to determine the routing to one of two service calls. Each of the two service calls is bound to the same port- but each service call is associated with a different verb: Create or Update. The event is passed to the JDBC Adapter for processing with the proper verb set in the ASBO.
- B. Write a custom adapter for the homegrown legacy system. The custom adapter would set the verb based on the "Action" business object attribute. The verb would be passed through the EVENT\_DELIVERY map to the collaboration template, where the call would be made to the destination port for processing to the JDBC adapter.
- C. Output the data from the homegrown legacy application to a flat file. The JText adapter could use a DataHandler to parse the string into a business object, setting the verb to "Create". In the SERVICE\_CALL\_REQUEST map get the value of the "Action" attribute to set the verb to Create or Update in the Application Specific Business Object.
- D. Output the data from the homegrown legacy application to a flat file. The JText adapter could use a DataHandler to parse the string into a business object, setting the verb based on the "Action".

Answer: C

---

**QUESTION 99:**

Under which of the following conditions does a collaboration object need NOT be re-created in order for it to function properly?

- A. After modifying Java code in a diagram or scenario definition.
- B. After adding or removing a property.
- C. After adding a new scenario.
- D. After modifying the triggering events.

Answer: A

---

**QUESTION 100:**

How can a collaboration developer ensure event sequencing?

- A. The Server will take care of it by default.
- B. Set the collaboration property Event\_Sequencing = true.
- C. Ensure that the ObjectEventID of each business object is unique.
- D. Add an additional verb 'SYNC' to the BO and the server will take care of it.

Answer: A

---

**QUESTION 101:**

Which of the following statements is TRUE about long-lived business processes?

- A. The source adapter can only use JMS transport.
- B. The CwDBConnection objects are declared as global in order to reuse the connections.
- C. Long-lived business process collaborations cannot be bound to external access Clients.
- D. Local template or port variables should be used for any data that must persist through the business process.

Answer: C

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**QUESTION 102:**

In order to configure a collaboration object to pause after a critical error occurs, the "Pause when critical error occurs" box must be checked in the collaboration general properties tab of the properties dialog box. A critical error as defined by the WebSphere InterChange Server system can be generated by which of the following situations?

- A. The adapter agent's status is unknown.
- B. Any exception that results in a failed collaboration flow.
- C. An exception in the event delivery map.
- D. Not setting the verb in the event delivery map.

Answer: A

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**QUESTION 103:**

Which of the following BEST describes explicit transaction bracketing?

- A. A collaboration property to maintain ObjectEventId uniqueness during event flow.

- B. The beginning and end of each transaction in a database call is determined programmatically.
- C. A transaction begins as soon as the connection is acquired and ends when the connection is released.
- D. Automatic handling of transactions in a database call.

Answer: B

---

**QUESTION 104:**

In order to prevent a duplication of data when failures occur for a non-transactional collaboration, which of the following should be done when building the collaboration template and collaboration object?

- A. Configure compensation to roll back the transaction if a failure occurs during processing
- B. Define a minimum transaction level, in the collaboration template, to determine when to perform transaction rollback
- C. Define a minimum transaction level of "Best Effort" and configure compensation.
- D. Check the box labeled "Persist Service Call in Transit State" in the collaboration object's properties dialog. There is no need to define compensation in the collaboration template.

Answer: D

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**QUESTION 105:**

A collaboration sends purchase order data to application X through port

- A. The business process states that before the PO data goes to application X, it must go to application Y through port B to verify the vendor's credit rating. The credit rating verification process can be instantaneous or take up to 24 hours, but should never take more than 48 hours. What is the BEST type of service call to use for port B?
- A. Synchronous with long lived business process support configured with a timeout value of 48 hours.
- B. Asynchronous outbound with long lived business process support configured with a timeout value of 48 hours.
- C. Synchronous with compensation and long lived business process support configured with a timeout value of 24 hours.
- D. Synchronous outbound, no timeout value, although a second synchronous service call will be created to receive the response back from application Y with a configured timeout value of 48 hours.

Answer: A

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**QUESTION 106:**

A collaboration

sends purchase order data to application X through a synchronous service call (S1). Before the PO data goes to application X, it must go to application Y through an asynchronous outbound service call (S2) to verify the customer's credit rating. The credit rating verification process can be instantaneous or take up to 48 hours, but should never take more than 48 hours. Which of the following solutions are appropriate to define how the service calls should be reconfigured?

- A. The service call (S2) should be changed to a synchronous service call with a timeout value set to 48 hours.
- B. Configure an asynchronous inbound service call in the collaboration after service call (S2) with a timeout value set to 48 hours and set the correlation set attributes.
- C. The service call (S2) should be changed to a synchronous service call. Configure a Web-based System Monitor with a timeout value set to 48 hours.
- D. The service call (S2) should be changed to a synchronous service call. A separate collaboration should be created to receive the response from application Y when the vendor is approved. Configure a Web-based System Monitor with a timeout value set to 48 hours.
- E. Configure an asynchronous inbound service call in the collaboration after service call (S2) with a timeout value set to 48 hours and set the template property CORRELATION to "Keys".

Answer: AB

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**QUESTION 107:**

During collaboration execution, an error in a service call request map causes a ServiceCallException to be thrown. What is the BEST way to identify the root cause of the exception?

- A. Wrap a try-catch block around the suspected failure code in the map.
- B. Use the Exception.getMessage() method to help determine the cause of the service call failure.
- C. Place the following code in the action node, that is called as a result of an exception, following the service call: if  
(currentException.getType().equals("ServiceCallException")) { String type = currentException.getType(); logError("Caught exception " + type ); }
- D. Place the following code in the action node, that is called as a result of an exception, following the service call: if  
(currentException.getType().equals("ServiceCallException")) { String subType = currentException.getSubType(); logError("Caught exception " + subType ); }

Answer: D

**QUESTION 108:**

Which of the following two features significantly decreases the amount of time necessary for the WebSphere InterChange Server to reboot during a recovery?

- A. Asynchronous Recovery and collaboration "Blocking Type" checked.
- B. Failed transactional collaborations recovering last and Asynchronous Recovery.
- C. Flow Control and storing business object keys as part of the WIP data.
- D. Failed transactional collaborations recovering first and Failure Recovery for in Transit Service Calls.

Answer: C

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**QUESTION 109:**

The MOST likely cause for an AppUnknown subtype exception is:

- A. The adapter controller was unable to communicate with its WebSphere InterChange Server.
- B. The adapter agent was unable to communicate with its application.
- C. Any type of error that is not classified under one of the other subtypes.
- D. An adapter was disconnected from its target application while processing an event.

Answer: C

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**QUESTION 110:**

A very large object is being processed by an Adapter. While processing the object the Adapter goes down and the adapter appears to hang. After checking the adapter's logs it is discovered that an OutOfMemoryException occurred. The event can easily be resubmitted. What is the best way to correct the problem before resubmitting the event?

- A. Run the adapter as a service to minimize memory consumption, And set the logging and trace levels to 0, with location to a file so that excessive log and trace messages don't use excessive memory.
- B. Increase the memory available to the adapter by increasing the value of the CW\_MEMORY\_MAX parameter in the ADAPTER\_MEMORY section of the adapter's configuration file.
- C. Configure the adapter to use Business Object Compression by setting the -compression flag to true in the adapter's .bat or .sh file.
- D. Increase the memory available to the JVM which the adapter is running in by increasing the value of the -Xmx argument the adapter's .bat or .sh file.

Answer: D

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**QUESTION 111:**

A new system administrator takes over on a production WebSphere InterChange Server. The DBA and CIO tell the administrator that they have to add 12GB of disk space per week for the WebSphere InterChange server repository database and that they do not want to do this anymore. The administrator knows from reading the project documentation that the system users demanded that the implementation staff implement extensive auditing and tracking of flows to use as historical data. However, it was also stated that only three months historical data needed to be kept and after that it could be deleted. What are the first three areas that the administrator should look into to see where disk space might be deleted?

- A. Persistent monitoring tables
- B. Relationship tables
- C. Business Object probe tables
- D. Any collaborations using database connection pools
- E. Work in Progress tables
- F. Polling tables

Answer: ACD

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**QUESTION 112:**

Which of the following is a benefit of the Web-based System Monitor as compared to the Windows-based System Monitor?

- A. It allows JVM parameters to be configured for WebSphere InterChange Server.
- B. It displays Historical System Information.
- C. It enables the ability to see log/trace files via the web.
- D. It does not require the installation of VisiBroker on the web server.

Answer: B

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**QUESTION 113:**

To clear messages from WebSphere MQ, a web-based System Monitor requires which of the following?

- A. Use the default "Message Queues" monitor to view current message depth. Clear messages from the queue.
- B. Create a new monitor, using the Monitor Definition Wizard. Select the "Third Party" Information type, then specify WebSphere MQ. This creates a web-based dashboard for WebSphere MQ Explorer. Clear messages from the queue.
- C. Create a new monitor, using the Monitor Definition Wizard. Select the "Queue Depth" Information Type, then specify the following table columns: Queue manager, Queue Name, Queue Depth, Clear queue. Clear messages from the queue.

D. Web-based System Monitor does not have the ability to clear messages from a queue.

Answer: D

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**QUESTION 114:**

Before an Adapter agent can be restarted using the Web-based System Monitor, the WebSphere InterChange Server developer MUST do which of the following, if any action is at all possible?

- A. Enable Object Activation Daemon for the Adapter.
- B. Expose the Adapter agent as a web service.
- C. Ensure that the OSAGENT\_PORT value is the same port that VisiBroker is using and ensure the Adapter is using IDL as the delivery transport.
- D. Web-based System Monitor does not have the ability to restart Adapter agents.

Answer: A

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**QUESTION 115:**

After a code fix has been completed and tested in development, the fixed code needs to be updated in the test environment. To ensure that the migration does not overwrite existing entities, there must be a prompt to Ignore/Replace objects when using repos\_copy. All dependent objects must also be copied in along with the fix. What is the BEST approach to migrate the repository to the test environment?

- A. Use the repos\_copy command with a -ar switch to prompt for Ignore/Replace each duplicate entity and include -e option to include dependent objects.
- B. Use the repos\_copy command with a -arp switch to prompt for Ignore/Replace each duplicate entity and include -e option to include dependent objects.
- C. Use the repos\_copy command with a -ar switch to prompt for Ignore/Replace each duplicate entity and include -e and -deep option to include dependent objects.
- D. Use the repos\_copy command with a -arp switch to prompt for Ignore/Replace each duplicate entity and include -e and -deep option to include dependent objects.

Answer: D

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**QUESTION 116:**

Code is being migrated from a development to test environment for the first time. Multiple relationships exist in the repository to migrate. A schema must not be created for the relationships when migrating the relationships using repos\_copy. Which of the following is the BEST approach to migrate the repository to the test environment?

- A. Use the repos\_copy command with a -w switch to ignore the schema creation in the

test environment.

B. Use the repos\_copy command with a -xIgnoreSchema switch to ignore the schema creation in the test environment.

C. Use the repos\_copy command with a -r switch to ignore the schema creation in the test environment.

D. Use the repos\_copy command with a -ai switch to ignore the schema creation in the test environment.

Answer: C

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**QUESTION 117:**

The WebSphere InterChange Server is trying to reboot and is crashing. Based upon reviews of the error logs, the issue appears to be based around the Work-in-Progress settings for the minimum connections. What is the BEST course of action to resolve this problem?

A. Update the MIN\_CONNECTIONS property in [Event\_Management] section of InterchangeSystem.cfg file to be the sum of the maximum concurrent thread settings for all collaborations. Update the AgentConnections property to be the maximum concurrent thread setting for the adapters.

B. Update the MIN\_CONNECTIONS property in [Event\_Management] section of InterchangeSystem.cfg file to be the sum of all maximum concurrent thread settings for all collaborations plus the number of adapters.

C. Update the MIN\_CONNECTIONS property in [Transaction] section of InterchangeSystem.cfg file to be the sum of the maximum concurrent thread settings for all collaborations. Update the AgentConnections property to be the maximum concurrent thread setting for the adapters.

D. Update the MIN\_CONNECTIONS property in [Transaction] section of InterchangeSystem.cfg file to be the sum all maximum concurrent thread settings for all collaborations plus the number of adapters.

Answer: B

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**QUESTION 118:**

When configuring the production WebSphere InterChange Server, the client is concerned about compromising event sequencing during recovery of collaboration events. All recovered events need to maintain proper sequencing. What is the BEST approach to configure the WebSphere InterChange Server to maintain temporal event sequencing on recovery?

A. Set RECOVERY\_MODE = Always.

B. Set RECOVERY\_MODE = Deferred.

C. Set DEFERRED\_RECOVERY = True.

D. Set DEFERRED\_RECOVERY = False.

Answer: A

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**QUESTION 119:**

The purpose of Event Sequencing within the WebSphere InterChange Server architecture is to:

- A. Ensure that events involving the same data entity in an application are processed by the WebSphere InterChange Server in the order in which they occurred in the application.
- B. Ensure the optimal number of transactions are running through the system at any given point in time.
- C. Allow the adapter controllers to be single threaded so as to handle all of the necessary mapping requests.
- D. Ensure that all events in an application are processed by the WebSphere InterChange Server in the order in which they occurred in the application.

Answer: A

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**QUESTION 120:**

A collaboration uses Access Framework in its From port and SAP adapter in its To port. An access request is made by the web front-end that is sent to the WebSphere InterChange Server collaboration. However, the SAP adapter agent is currently not operational. The WebSphere InterChange Server administrator realizes that the SAP adapter agent is down and restarts it. The access request is made one more time, however, this time, the request fails in SAP due to unknown reasons. The administrator would like to resubmit the failed flows. How many failed flows should the WebSphere InterChange Server administrator see associated with this collaboration before and after the SAP adapter is restarted?

- A. 1 before, 1 after
- B. 0 before, 0 after
- C. 0 before, 1 after
- D. 1 before, 2 after

Answer: B

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**QUESTION 121:**

The administrator notices the following error in the WebSphere InterChange Server.

"5010: Unable to find an available connection in the cache."

Which of the following is MOST appropriate for the administrator to check, to resolve this issue?

- A. The reuse of maps to ensure memory and connections are optimized.
- B. The MAX\_CONNECTION configuration and ensure the maximum database connections are optimized.
- C. The collaboration threads for each collaboration to be sure the connections are optimized.
- D. The CAP configuration and be sure the connections are optimized.

Answer: B

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**QUESTION 122:**

When investigating Certkiller .com event that did not appear in the target system, the developer notices the event in the archive event table of the source application with a status of 2 - No Subscriptions. What is most likely NOT the cause of the subscription issue?

- A. The Application Specific Information is incorrect for the source adapter Customer Application Specific Business Object.
- B. The status of the subscribing collaboration is inactive.
- C. The list of Agent Supported Business Objects for the source adapter is missing the Customer Application Specific Business Object.
- D. The list of Supported Business Objects for the source adapter is missing the Customer Generic Business Object.

Answer: A