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Vendor: IBM

Exam Code: C2180-608

Exam Name: IBM WebSphere Process Server V7.0
Deployment

Version: Demo

QUESTION NO: 1

A deployment professional is installing an application which uses business processes in a clustered WebSphere Process Server environment. The Business Process Choreographer (BPC) container has previously been configured. During which phase of the installation is the application validated?

- A. During the installation phase on the node agent.
- B. During the installation phase on the deployment manager.
- C. During the configuration phase on the application server.
- D. During the application start phase on the application server.

Answer: B

QUESTION NO: 2

In a company all the applications deployed in a WebSphere Process Server network deployment environment extensively leverage asynchronous messaging with JMS bindings. There is a requirement to resubmit the messages in case of infrastructure failures or planned shutdown. What is the suggested message reliability level that could be proposed in this situation?

- A. Assured persistent
- B. Reliable persistent
- C. Reliable non-persistent
- D. Best effort non-persistent

Answer: A

QUESTION NO: 3

WebSphere Process Server (WPS) V7.0 introduces a new Service Component Architecture (SCA) container. Which of the following changes in the architecture result in improved performance?

- A. There is no dependency for an EJB container for WPS V7.0 applications.
- B. The new Business Object Runtime Framework replaces the old Business Object framework.
- C. Code generation, validation, and packaging is fully covered during the application deployment.
- D. Applications for WPS V6.2 and previous releases are automatically migrated to V7.0 during deployment.

Answer: A

QUESTION NO: 4

A clustered WebSphere Process Server (WPS) production environment consists of a remote messaging cluster with multiple active messaging engines (ME) configured for high throughput. During the testing of an application which uses MQ JMS export for in-take of messages, the integration developer has found out that the messages were arriving on the backend EIS application at random order which was not desirable. This was not the observed behavior when the application was tested in the Universal Test Environment (UTE) within WebSphere Integration Developer (WID).

Source Application -----> MQ JMS Export -----> EIS Application

What is the combination of actions to reconfigure the resources in the production environment in order to achieve the expected behavior?

- A. 1, 2
- B. 1, 3
- C. 1, 4
- D. 2, 3

Answer: A

QUESTION NO: 5

An application which uses Business Processes extensively has found that there is an excessive number of messages being sent to the hold queue. The deployment professional is asked to modify the configuration of the Business Process Choreographer (BPC) settings for that server in an effort to reduce the amount of messages in the hold queue. Which value should be changed to improve this situation?

- A. Retry limit
- B. Process limit
- C. Hold queue timeout
- D. Retention queue message limit

Answer: A

QUESTION NO: 6

A company has deployed many applications accessing the same backend services. Many of the applications share the same WSDL and Business Objects. New applications to be deployed in the near future will use updated backend service definitions. In addition, the memory usage has dramatically increased over the last deployments and may prevent new application deployments on the same environment. Which of the following recommendations would a deployment professional MOST likely provide?

- A.** The development team must review the applications and provide a single module for the backend access. Shared WSDL and Business Objects can be deployed with the new application.
- B.** The development team should identify common artifacts used by the application. A shared library can be deployed independently and referenced by the applications.
- C.** The environment must be prepared for new applications by increasing the heap size of the servers or new servers must be added to the environment to share the workload.
- D.** The system administrator can deploy new applications including all libraries needed. During the deployment the libraries of other applications with the needed WSDL and Business Objects can be referenced as a shared library.

Answer: B

QUESTION NO: 7

A deployment professional is asked to investigate a failure in a business process. However, the specific process instance being investigated is still running. After close examination, one of the activities of the process instance is stopped. What action should the deployment professional take to resolve this issue so that the current process navigation can continue?

- A.** Change Continue On Error setting of the process template to no but make sure this setting is overridden at the activity scope to a value of yes.
- B.** Change Continue On Error setting of the process template to yes and ensure this setting is inherited at the activity scope.
- C.** Examine the variables of the stopped activity and update the values as necessary, and save the settings.

D. Set the expiration for the stopped activity so that after a specified interval the activity terminates and the process can continue.

Answer: C

QUESTION NO: 8

A deployment professional is performing a review of the audit and logging practices being used. One of the items under review is the current level of logging configured for the Human Task Manager. The site database administrator requires that any changes made which affect the amount and type of data being stored to the database must be reviewed and approved prior to implementation. Which of the following log settings would impact the data stored to the database?

- A.** Audit logging
- B.** Failed event logging
- C.** Task history logging
- D.** Common Event Infrastructure (CEI) logging

Answer: A

QUESTION NO: 9

A retail company has the requirement to make frequent changes to a long running MyProcessDiscount business process as newer versions of that process are introduced due to changing business needs. What approach should a deployment professional adopt to meet this requirement?

- A.** Stop the older version of the MyProcessDiscount process template from the Integrated Solutions Console (ISC), install the application containing the newer version of the business process template.
- B.** Use the Business Process Choreographer Explorer, select all the running instances with name MyProcessDiscount business process, then choose the Migrate option to migrate all instances to the currently valid version of the business process template.
- C.** Use the Business Process Choreographer Explorer, if you see any running instances of older version of MyProcessDiscount process template, wait till all the instances of that version of the template are completed, then remove the older version of the business process template and install the newer version of the business process template.

D. Install the application containing the newer version of MyProcessDiscount process template, then using the Business Process Choreographer Explorer, monitor the state of the running process instances and, when execution is in the appropriate place in the flow of the business process, select the business process instances based on the older template only to migrate to the newer version.

Answer: D

QUESTION NO: 10

A deployment professional is installing a new business process application. The deployment professional is using a script installation with the installInteractive option so that they are prompted for values during the installation process. What is the reason for this installation approach?

- A.** The interactive configuration script provides an audit log of the installation for revision control purposes.
- B.** Installation with the interactive configuration script is faster than using the Integrated Solutions Console (ISC).
- C.** Some configuration values must be specified which are not available using the Integrated Solutions Console (ISC) wizard interface.
- D.** When configuring with an interactive script, it is not necessary to specify information about the application required data sources.

Answer: C

QUESTION NO: 11

A deployment professional is doing a manual creation of database tables for a Business Space runtime in a WebSphere Network Deployment runtime. The database is to be hosted on a remote DB2 instance. Which of the following must be done prior to beginning the creation of the database tables?

- A.** Create profiles and configure servers or clusters for Business Space.
- B.** Execute the profile_root/dbscripts/BusinessSpace/preconfigDB.sh script.
- C.** Use the Integrated System Console widget to define the IP address of the database server.
- D.** Stop all business process applications running in the cell to which Business Space is being installed.

Answer: A

QUESTION NO: 12

A deployment professional has installed WebSphere Process Server binaries on AIX 5.3 TL7 with 64 bit architecture. Now the deployment professional needs to create a cell with two managed nodes federated to the deployment manager profile. Select the option which is NOT applicable.

- A.** Use the Profile Management Tool to create and augment profiles.
- B.** Select the profile template <wps>/profileTemplate/managed.wbiserver.
- C.** Select the profile template <wps>/profileTemplate/dmgr.wbiserver and use manageprofiles script.
- D.** Create profiles using silent option through manageprofiles script on /WPS_HOME/bin/manageprofiles.

Answer: A

QUESTION NO: 13

During the design of a large-scale high-volume topology, a deployment professional is consulting with a client on the planned design and configuration of the databases required for the messaging resources. During this discussion the deployment professional notes that it would be preferable to configure a separate database for the Business Process Choreographer (BPC) messaging engine. What is a reason for making such a suggestion?

- A.** Database logging could become a performance bottleneck.
- B.** All of the components require the database schema to be named MEDBPM00.
- C.** The separate database is created automatically in a network deployment environment.
- D.** Shared databases between the BPC and the SCA bus are not supported in production environments.

Answer: A

QUESTION NO: 14

Which of the following deployment environment patterns is MOST recommended in a scenario that has following conditions: 1. Heavy Common Event Infrastructure (CEI) activity 2. All functions should be separated 3. Hardware usage should be minimum

- A. Single Cluster
- B. Remote Messaging
- C. Remote Messaging and Remote Support
- D. Remote Messaging and Remote Support, including Web server

Answer: C

QUESTION NO: 15

Select the BEST order for creating a standalone profile for WebSphere Process Server 7.0.

- A. Install the product -> Create profile -> Perform Installation Verification test -> Run installver_wbi checksum tool
- B. Install the product -> Create profile -> Run installer_wbi checksum tool -> Perform Installation Verification test
- C. Install the product -> Perform Installation Verification test -> Create profile -> Run installver_wbi checksum tool
- D. Install the product -> Run installer_wbi checksum tool -> Create profile -> Perform Installation Verification test

Answer: D

QUESTION NO: 16

The deployment of a module needs to be automated. The deployment professional is required to do this task using wsadmin. Which of the following will be the BEST option?

- A. Run scripts from jython script library in interactive mode.
- B. Write custom jython script and execute it upon requirement.
- C. Use scripting procedures under app_server_root/scriptLibraries/application/V70.
- D. Use a text editor to combine following jython scripts stopServer.py, BeginBLADeployment.py, SaveConfig.py.

Answer: C

QUESTION NO: 17

A deployment professional has created a Remote Messaging and Remote Support cluster with DB2 as the database including an application cluster (cluster1). This environment is used for testing the solution1 project. For another project, solution2, the development team requests another cluster (cluster2). The deployment professional decides to add another application cluster (cluster2) and another messaging cluster to the environment in order fulfill this requirement. What should the deployment professional do as part of this task, given that business processes from the new solution2 project will be called as services from the solution1 project modules?

- A.** Use a new database/schema for the BPEDB required for cluster2.
- B.** Use a new database/schema for the BPEDB and the CommonDB for cluster2.
- C.** Use the existing database/schema from cluster1 for the BPEDB required for cluster2.
- D.** Use the existing database/schema from cluster1 for the BPEDB and the CommonDB required for cluster2.

Answer: A

QUESTION NO: 18

A telecommunications company is running on WebSphere Process Server 6.2 and intends to upgrade to WebSphere Process Server V7.0. In WebSphere Process Server 6.2, the backend systems are SAP applications and the corresponding WebSphere adapters are installed. What are the key sequential steps that the deployment professional needs to take to upgrade to WebSphere Process Server V7.0?

- A.** Create Migration Target -> Augment target profiles with WESB and Process Server -> Migrate using BPM command line utility
- B.** Create Target profiles -> Backup source profile -> Migrate using Profile Management tool -> Migrate database manually
- C.** Create target profiles with all components -> Uninstall WebSphere Adapter for SAP applications from the 6.2 environment -> Use BPM profile migration command line utility
- D.** Install Migration Target -> Backup Source -> Apply interim patch on SAP Adapters -> Migrate using profile migration utility

Answer: C

QUESTION NO: 19

A deployment professional needs to configure the Business Process Choreographer (BPC) and all necessary resources. Which of the following scripts would be used to accomplish the task?

- A. bpcadmin.jy
- B. bpeconfig.jacl
- C. configureBPC.sh
- D. BPMCreateTargetProfile.sh

Answer: B

QUESTION NO: 20

A company has deployed new applications using relationships to correlate external Enterprise Information System (EIS) specific data. The memory consumption of the server increased since the new applications have been deployed and reached a critical value. Which of the following is the BEST approach for a deployment professional to address the problem?

- A. Uninstall the Relationship Manager application to avoid unnecessary queries for relationships.
- B. Decrease the value of the relationship services Query Block Size parameter and monitor the system.
- C. Tune the relationship service database to improve query performance and reduce the memory footprint for caching.
- D. Configure the relationship service on a dedicated server to control the memory consumption using the JVM settings.

Answer: B

QUESTION NO: 21

A customer new to WebSphere Process Server has promoted some Java developers to the WebSphere Integration Developer team. The developers want to monitor the use of some of the non-technology adapters (e.g., SAP and JD Edwards). The developers have started to design a database schema to persist the metrics and develop Java code to track the adapter usage. What should the deployment professional suggest to the WebSphere Integration Developer team?

-
- A. Add a data element in the Business Objects to track start and stop times.
 - B. Ensure the Java code connects to the database using a JNDI entry.
 - C. Ensure the Java code stores time in Universal Standard time, not local time.
 - D. Use the adapter monitoring provided by PMI and do not develop the Java code or the database.

Answer: D

QUESTION NO: 22

A scalable and highly available WebSphere Process Server environment is built using a Remote Messaging deployment environment pattern. When Common Event Infrastructure (CEI) is enabled which leverages the default messaging provider, the runtime performance degraded significantly. What are the actions a deployment professional could take to reconfigure the messaging infrastructure and modify the settings to account for the extra load caused by CEI processing?

- A. Configure the event service on a separate cluster and add this cluster as the bus member.
- B. Disable the Persist events to the data store property of the corresponding event groups of the events that belong to your application.
- C. Modify the configuration settings of the event emitter factory profile for the CEI processing to enable the support for JMS transmission.
- D. Using the default messaging configuration, set up multiple JMS queues to route events to the service integration bus queue destination cluster.CommonEventInfrastructureQueueDestination.
- E. Use deployEventServiceMdb administrative command to set up more than one JMS queue to route events to the event service using the default embedded messaging configuration for event transmission.

Answer: A,B

QUESTION NO: 23

A clustered WebSphere Process Server environment with Remote Messaging and Remote Support topology is installed. The deployment professional received the complaint that a few of the applications are not accessible through Web servers. Users are getting the HTTP 404 error. The deployment professional regenerated the plugins and fixed the issue, but after a few days the users encountered the same problem. What action should the deployment professional take?

- A. Regenerate and propagate the plugins.

-
- B.** Create plugins at different scope, (node, cell and cluster) and merge them manually.
 - C.** Remove and reconfigure the Web servers through the Integrated Solutions Console (ISC).
 - D.** Disable automatic generation and propagation of plugins using the Integrated Solutions Console (ISC).

Answer: D

QUESTION NO: 24

A deployment professional has been asked to review the backup plan of a WebSphere Process Server (WPS) Network Deployment installation with a standard Remote Messaging and Remote Support two node cell. The deployment professional has noticed that the databases are backed up on a different cycle and separate from the transaction logs. Predict the consequences during a database recovery from backup.

- A.** WPS will automatically synchronize database and transaction logs during normal startup.
- B.** WPS must be restarted in recovery mode to automatically synchronize database and transaction logs.
- C.** WPS may not start up normally because the database and transaction logs backup are not synchronized.
- D.** WPS transaction logs will have to be manually edited to remove transaction that occurred after the backup.

Answer: C

QUESTION NO: 25

A company has implemented for the first time a business integration application which uses Business Process in a clustered WebSphere Process Server environment. Now the deployment professional needs to monitor the Business Process and while doing so, encounters an issue opening the process state view of the Business Process in the Business Process Choreographer Explorer. What is the cause?

- A.** The Process Template of the business process has been shut down.
- B.** Endpoints for the Business Flow Manager REST API's are not set properly.
- C.** A new version of Business Process is introduced with significant enhancements.
- D.** One of the members of the cluster on which the Business Process is deployed is down.

Answer: B

QUESTION NO: 26

A deployment professional is configuring the Common Event Infrastructure (CEI) event service in a clustered environment. The deployment professional has chosen to use the `wbmDeployCEIEventService` command to install the CEI event service on the cluster and to create the required resources (service integration bus and messaging engine). Which parameter is required when installing the event service into the clustered environment?

- A. `-dataStore`
- B. `-busMember`
- C. `-clusterName`
- D. `-eventService`

Answer: B

QUESTION NO: 27

A highly available WebSphere Process Server clustered environment comprises of cluster1 with two members, clusterMemberA and clusterMemberB. cluster1 has been added as a member of a bus. The two cluster members host a message producer application, App1, and a message consumer application App2 which needs to consume messages produced by App1. App2 must receive messages in a sequential manner maintaining the order of message delivery. During peak load, the clusterMemberA is most active taking significant performance impact while clusterMemberB is almost idle and is only experiencing about 25% of the overall activity. Identify the steps the deployment professional should take to reconfigure the messaging infrastructure so that the load is balanced more evenly among both cluster members of cluster1.

- A. Create another server with messaging only capabilities. Add this server as a bus member and detach the cluster1 from the bus.
- B. Create an additional messaging engine on cluster1 so that each cluster member hosts an active messaging engine for an even load distribution.
- C. Create a secondary two member cluster cluster2 with messaging only capabilities. Add cluster2 as a bus member and detach the cluster1 from the bus.
- D. Create a secondary two member cluster cluster2 with messaging only capabilities. Add cluster2 as a bus member and create an additional active message engine on cluster2 and detach cluster1 from the bus .

Answer: C

QUESTION NO: 28

A deployment professional is asked to configure the Business Flow Manager such that it will store audit log events into the Business Process Choreographer database. The environment is a production clustered environment with the database already configured. Common Event Infrastructure logging has also been previously enabled. Using the Integrated Solutions Console to accomplish this task, what needs to be completed?

- A. Enable audit logging to the Business Flow Manager.
- B. Enable task history logging to the Business Flow Manager.
- C. Enable audit and task history logging to the Business Flow Manager.
- D. Add a custom property to the the cluster supporting the Business Process Choreographer.

Answer: A

QUESTION NO: 29

A consultant is meeting with a client which is migrating from an evaluation single server instance of WebSphere Process Server to a production ready topology. The deployment professional is asked to make suggestions related to the configuration of a database to be used by the Business Process Container. When considering the configuration of the Business Process Choreographer into a production system, which statement is correct?

- A. Only DB2 should be used.
- B. A separate database should be used.
- C. The embedded Derby database should be used.
- D. A separate database shared with a messaging engine should be used.

Answer: B

QUESTION NO: 30

A deployment professional of a WebSphere Process Server Network Deployment environment

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