

0B0-105 8.1 Certified Architect

BEA BEA8.1 Certified Architect:Enterprise Architecture

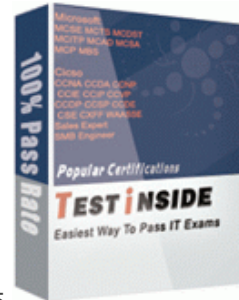
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Exam Number/Code: 0B0-105

Exam Name: BEA8.1 Certified Architect:Enterprise Architecture

Questions and Answers: 68 Q&As

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Title : BEA8.1 Certified Architect:Enterprise Architecture

1. You have determined that your J2EE EJB tier applications should be deployed to a WebLogic Cluster in order to achieve the necessary scalability requirements. When considering adequate network bandwidth to minimize lost multicast packets, which activity is likely to generate the greatest concentration of multicast traffic?

- A. JNDI updates
- B. JMS Server migration
- C. JMX Mbean monitoring
- D. HTTP Session replication
- E. WebLogic cluster heartbeats

Answer: A

2. Smithers and Dithers' architecture must accommodate multiple Web requests, which may demand various preprocessing and postprocessing activities. Which Design Pattern best describes a solution that meets this requirement?

- A. Flyweight
- B. View Helper
- C. Front Controller
- D. Composite View
- E. Dispatcher View

Answer: C

3. You have determined that your Web Applications will be deployed to a WebLogic cluster for high availability. In order to take advantage of HTTP session replication, which of the following is required?

- A. All session data must be serializable
- B. Replication Groups must be configured
- C. One member of the cluster must be used as the proxy server
- D. All members of the cluster must be located within the same subnet
- E. At least two cluster members must be running on separate machines

Answer: A

4. Scenario: The Notify Merchandiser and Notify Inventory Control steps defined in FR004's activity diagram should be invoked in parallel. Which of the following is NOT a valid architectural approach based on this use case requirement?

- A. Send notification messages to two separate JMS Queues monitored by both consumers
- B. Send one notification message to a single JMS Topic which maintains a separate subscription from both consumers
- C. Send notification messages directly to two Message-driven EJB callback objects provided by both consumers
- D. Send one notification message to a single JMS Topic which maintains a separate subscription from both consumers within a single XA transaction
- E. Send two notification messages to a single JMS Queue using a JMS message selector by each consumer

Answer: C

5. Scenario: Use Case FR004 gives the requirements for the daily transaction upload that every store POS terminal must complete. The associated activity diagram provides the path through this use case. You decided to implement this functionality as a separate Java Process Definition using WebLogic Integration. Use this information to answer

the following question. Given the requirements of FR004 for guaranteed message delivery, which architectural approach provides the best solution for maximum performance throughput?

- A. Configure the store's JMS server to use persistent message delivery using a JDBC backing store.
- B. Configure the POS terminal's JMS server to use persistent message delivery using a JDBC backing store.
- C. Configure the POS terminal's JMS server to use persistent message delivery using a file store as the message's paging store.
- D. Configure the store's JMS server to use persistent message delivery using a file backing store. Use a common network mount point and a file directory on a RAID array.
- E. Configure the POS terminal's JMS server to use persistent message delivery using a file backing store. Use a common network mount point and a file directory on a RAID array.

Answer: D

6. Scenario: You have determined that Model-View-Controller (MVC) architecture will be used for Smithers and Dithers' Web applications. To streamline development efforts, you have decided to standardize by leveraging WebLogic Workshop using Java Page Flows. Which of the following statements is NOT true concerning Page Flows?

- A. Page Flows can contain other Page Flows
- B. Page Flows can be called from JPD business processes
- C. Page Flows are based on the open-source Struts architecture
- D. Page Flows can be exposed as a Portlet within a Portal application
- E. Page Flows can access business functionality with Workshop controls

Answer: B

7. Smithers and Dithers must now support interaction with business applications that use ebXML and RosettaNet B2B protocols. Which architectural approach would best satisfy this new requirement?

- A. Publish WebLogic Portal JMX MBean APIs to each business partner
- B. Design one or more WebLogic Server Messaging Bridges with J2CA adapters
- C. Configure a Trading Partner Management repository with WebLogic Integration
- D. Use WebLogic Workshop to wrap coarse-grained business functionality as Web Services
- E. Use the Liquid Data View Builder to design and build custom queries for integrated data access

Answer: C

8. Scenario: You have a requirement to use existing user-specific data to display selected data elements and control personalization of the presentation to the user. Which is the best architectural approach to seamlessly provide access to this data?

- A. Wrap the legacy data behind a Web service
- B. Incorporate access through a unified user profile
- C. Add access to the data through the content repository system
- D. Create Entity Beans that provide wrapper access to the legacy data
- E. Provide direct programmatic access to the legacy data directly from the presentation layer

Answer: B

9. Scenario: The diagram represents the interactions of the Inventory system with external entities during the processing of a purchase order. The activity is completely described in Activity Diagram. In this business process, the PO is presented to a merchandiser; a warehouse confirms storage requirements; and the information is used to update the accounting system, asynchronously. Which type of invocation model is best suited to implement Use Case FR002?

- A. Creating a command object that delegates passing parameterized messages, asynchronously.
- B. A synchronous invocation on every module required to implement the functionality defined by the Use Case
- C. An asynchronous invocation of each notification sub-system, which delivers the appropriate message to the appropriate message destination.
- D. Using a separate delegate object, which creates a thread pool using separate threads to invoke each operation concurrently and perform thread monitoring and management
- E. Scope each synchronous invocation within a single XA transaction.

Answer: C

10. Within a Service-Oriented Architecture, which of the following is NOT a Connectivity Layer component?

- A. Portlet
- B. EJB Control
- C. Java control
- D. J2CA Adapter
- E. Application View

Answer: A

11. Within a Service-Oriented Architecture, which of the following would NOT appear in the Orchestration Layer:

- A. J2CA Adapters
- B. Java Controls
- C. Application Views
- D. Business Processes
- E. Data-aggregation Services

Answer: A

12. WSRP is an attractive option for web development because it decouples the deployment and delivery of applications. WebLogic Platform allows for the creation of WSRP-enabled portlets EXCEPT for which portlet type?

- A. Struts
- B. Pageflow
- C. HTTP Web Service
- D. JSR168 Java Portlet
- E. JSP Portlets using a JPF

Answer: C

13. Smithers and Dithers will be using HP Openview for all SNMP management. Which of the following is NOT true concerning WebLogic Server's SNMP capabilities?

- A. The WebLogic SNMP agent supports both SNMPv1 and SNMPv2 protocols
- B. The WebLogic SNMP agent can only run on a domain's Administration Server
- C. Each MBean attribute in the MIB is an SNMP managed object with a unique object identifier
- D. The WebLogic SNMP agent can be configured to respond to simple GET and SET requests
- E. The WebLogic SNMP agent can act as a proxy to other SNMP agents on the same machine

Answer: D

14. When considering distributed transactions and the two-phase commit protocol, which of the following statements is NOT true?

- A. WebLogic Server does not support nested transactions
- B. WebLogic Server allows transactions to be terminated only by the client that created the transaction
- C. Recovering transactions for a failed WebLogic server instance requires a WebLogic Cluster configuration
- D. A heuristic decision occurs when any XA resource makes a unilateral decision during the completion phase
- E. By default, the Transaction Manager will continue to complete the transaction during the second phase for up to 24 hours

Answer: C

15. Scenario: The activity diagram for FR004 details dependencies on other applications whose requirements are defined in separate use cases. A primary requirement for the new POS application is that it must accommodate future architectures and currently-unknown internal and external clients. Given the path defined by FR004's activity diagram and the non-functional requirement, answer the following question. The activity diagram and use case specify that if an update to an EIS fails, the process must roll back the current transaction. Assuming that each update is asynchronously invoked, what is the best way to handle transaction rollback within this process?

- A. Use a standard XA transaction employing two-phase commit

- B. Define an explicit transaction boundary within the process definition
- C. Use the transaction propagation facilities of J2CA and execute each update from the XA transaction context of the process
- D. Use a compensating transaction after each callback from the EIS' update operation that manually restores the affected data
- E. Implement a custom exception path within the process that invokes the rollback method of the related global distributed transaction

Answer: E

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