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# 1Z0-864

Java Enterprise Edition 5 Enterprise Architect  
Certified Master Exam (Step 1 of 3)

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**QUESTION NO: 1**

What are the three primary roles in a web service interaction? (Choose three.)

- A. Broker
- B. Facade
- C. Provider
- D. Decorator
- E. Requestor
- F. Interceptor

**Answer: A,C,E**

**QUESTION NO: 2**

A stock trading company is writing a new application for stock market forecasting. A significant portion of the work required by the business logic involves navigating through the persistent object model. As lead architect on this project, you have chosen JPA over EJB2 entity beans to implement these persistent objects. You have done this to maximize performance when navigating through the model. Why does JPA offer better performance for this task?

- A. JPA guarantees referential integrity at the object level.
- B. JPA allows the application to specify lazy or eager retrievals.
- C. JPA simplifies the source code that implements the object model.
- D. The guaranteed referential integrity in EJB2 entity beans is expensive.

**Answer: B**

**QUESTION NO: 3**

A developer creates a Java web service to be used by consumers in an SOA. This SOA uses a UDDI service registry. How can the developer make the new service available to consumers?

- A. Deploy to the registry using JAXR
- B. Publish to the registry using JAXR
- C. Query the registry using JAX-RPC
- D. Target the registry using JAX-RPC

**Answer: B**

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**QUESTION NO: 4**

With the release of a new product line, there has been a significant increase in the volume of transactions on your web site. You need to scale your application and manage session failover. What is the best option for scalability?

- A. Add additional web servers and application servers
- B. Introduce a High Availability pair and utilize sticky sessions
- C. Add additional application servers and implement DNS round robin
- D. Add additional application servers and use clustered HttpSession

**Answer: D**

**QUESTION NO: 5**

You are asked to architect an SOA solution that leverages Java web services. The architecture needs to be flexible and allow for the SOAP 1.1, SOAP 1.2, and REST implementations. Which Java EE technology should you use?

- A. JAXP
- B. JAXB
- C. JAX-WS
- D. JAX-RPC

**Answer: C**

**QUESTION NO: 6**

You are architecting an online ordering application with these requirements: Users access the system over the Internet using HTML.

An email message is sent to the user confirming the order. Users must log in and are validated using LDAP.

The product catalog is stored in a relational database.

All orders are logged to the internal fulfillment system.

Orders must not be lost.

Which Java EE technology should be used to send orders to the fulfillment system?

- A. JNDI
- B. JMS
- C. JAX-WS

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**D. RMI-IIOP**

**Answer: B**

**QUESTION NO: 7**

An online sporting goods store's web application uses HttpSession to store shopping carts. When the application is initially deployed, the business plan predicts only a few customers will access the site. Over time, the store projects a steady increase in volume. The deployment plan calls for a single web container in the initial deployment. As demand increases, the plan calls for multiple web containers on separate hardware with clustered HttpSession objects. Which two principles will help the application meet the requirements and optimize performance? (Choose two.)

- A.** The application should store as much as possible in HttpSession objects.
- B.** The application should NOT make frequent updates to HttpSession objects.
- C.** The application should make coarse-grained updates to HttpSession objects.
- D.** The application should create new HttpSession objects instead of updating existing objects.

**Answer: B,C**

**QUESTION NO: 8**

You are writing a utility that searches for existing web services provided by large companies through UDDI. Your web site allows the user to input search criteria using event-driven, state managed GUI screens, performs the search, and displays them in a formatted HTML page. Which technologies would you use for this application?

- A.** JSP and JAXB
- B.** JSF and JAXR
- C.** JSF and JAX-WS
- D.** JSP and JAX-WS

**Answer: B**

**QUESTION NO: 9**

A company has a web service that provides the most recent price for stocks, mutual funds, and commodities. The company has the only web service that allows a person to check prices on all