C2160-667^{Q&As}

Architectural Design of SOA Solutions

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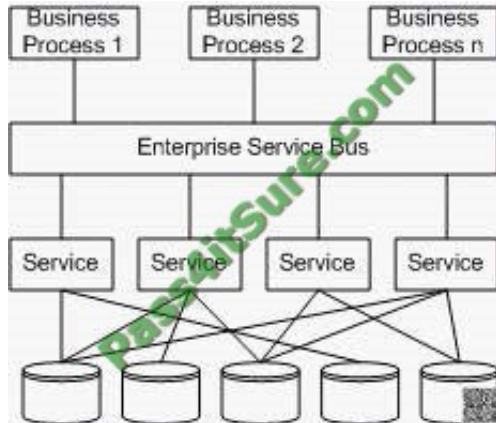Following Questions and Answers are all new published by IBM Official Exam Center

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QUESTION 1

Which statement is true about the illustrated SOA domain shown in the Exhibit?

A. The architecture illustrates the proper treatment of information in an SOA.

B. The information architecture could be improved but the performance impacts would be prohibitive.

C. The service/component developers are closer to the data requirements and should be given the autonomy to implement them.

D. Another layer of information services should be inserted between the illustrated services and the information stores.

Correct Answer: D

QUESTION 2

An organization in the utilities sector has used WebSphere MQ for several years. Over time, the staff has developed expertise in WebSphere MQ and they are most comfortable solving problems using messaging- based technology. They

plan to take advantage of SOA but are concerned about the risk of moving to new technology.

Which technical solution should be suggested for this client?

A. Create service faades for existing applications using WebSphere Message Broker.

B. Use SOAP messaging with WebSphere MQ applications and WebSphere Enterprise Service Bus (ESB).

C. Use WebSphere MQ pub/sub messaging to decouple service consumers from service providers.

D. Use WebSphere MQ services instead of an ESB.

Correct Answer: A

QUESTION 3

A company is implementing a new Web service within an SOA. The service will provide the ability to access customer details as part of a number of high-volume business processes. Which key quality assurance activity is needed as part of the Deploy phase of the SOA lifecycle?

A. Assessment of existing services that are part of the same business processes.

B. Modification of the service to match the defined business requirements if necessary.

C. Testing to ensure that the service meets performance targets for the business processes.

D. Tracking the service in the service registry.

Correct Answer: C

QUESTION 4

A Fortune 100 company is migrating its Enterprise Application Integration (EAI) architecture to SOA. The intent is to begin exposing its capabilities to business partners. The CIO is thinking about building a high speed, custom messaging solution so there is capacity for future growth. What should the SOA Designer say about the long-term implications of that direction?

A. A custom messaging solution could provide performance advantages if development priority is allocated to provide standards-based connectors and adapters for business partners to connect.

B. XML messages can be transformed at wire speed using Enterprise Service Bus (ESB) appliances like WebSphere DataPower SOA Appliance, so it is not necessary to be concerned with that part of the system\\'s performance.

C. Total cost of ownership will increase with custom middleware. Open standards-based commercial messaging products are more interoperable, extensible, scalable, replaceable, and reliable than custom- built systems.

D. It will take a serious commitment to detailed technical support to make this happen. It is always a tradeoff between standards-based compliance and performance. The implementation of the custom messaging will need to provide serious performance advantages to business partners.

Correct Answer: C

QUESTION 5

An online bookseller wants to extend its reach by providing a Web service for pricing used books. The current internal Web application is hosted on a mainframe. The new service must provide the same capabilities and qualities of service to

external users.

What are the appropriate design patterns to use?

A. Zoned Enterprise Service Bus (ESB) and As-is Host Application

B. Zoned ESB and Exposed Application

C. Self-Service and Exposed ESB Gateway

D. Self-Service and As-is Host Application

Correct Answer: C

QUESTION 6

A manufacturing company can receive many customer orders at once. When an order is received, the OrderProcessing business process allocates a unique order number, updates the Customer service and invokes the Credit service. The

process does not continue until the Credit service notifies it that the customer\\'s details are valid, and this can take some time.

Since multiple instances of the OrderProcessing process can exist at runtime, how can a specific instance be selected when the Credit service is ready to send notification?

A. By creating a correlation set that includes the order number and customer ID

B. By specifying a required user input when the process executes

C. By creating a qualified identifier that includes the customer number

D. By implementing a parallel activity as part of the OrderProcessing flow

Correct Answer: A

QUESTION 7

A service owner has developed a new version of an address validation service at a travel company. How is the service registry and repository used to govern the new version release?

A. Notify all registered service consumers of the new version and update the consumer relationship to the version as appropriate.

B. Enforce n-1 version release policy and notify all service consumers.

C. Ensure the change to the data model doesn\\'t disable existing service consumers.

D. Redirect consumers to the new version of the service using dynamic binding.

Correct Answer: A

QUESTION 8

A manufacturing company can receive many customer orders at once. When an order is received, the OrderProcessing business process allocates a unique order number, updates the Customer service and invokes the Credit service. The

process does not continue until the Credit service notifies it that the customer\\'s details are valid, and this can take some time.

Since multiple instances of the OrderProcessing process can exist at runtime, how can a specific instance be selected when the Credit service is ready to send notification?

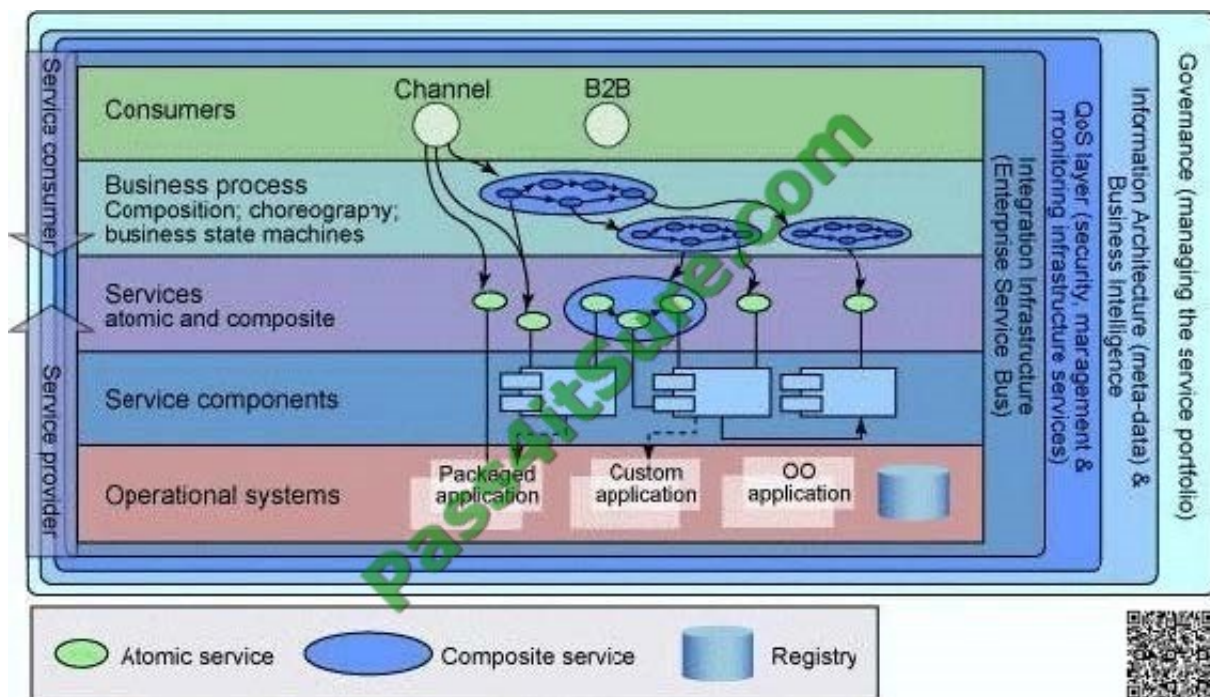A. By creating a time stamp that is correlated to the customer ID

B. By creating a qualified identifier that includes the customer number

C. By creating a correlation set that includes the order number and customer ID

D. By implementing a parallel activity as part of the OrderProcessing flow

Correct Answer: C

QUESTION 9

A company is using the IBM SOA Solution Stack to create a new composite application to keep up with the changing marketplace. Functions and data from several existing Enterprise Information Systems (EIS) will be aggregated into the new application using a top-down approach. See the information in the Exhibit.

Which solution is the most appropriate for implementation?

A. Exposing existing applications using multiple adapters

B. Exposing existing systems to heterogeneous clients

C. Exposing existing applications with service components

D. Exposing existing systems with a Web services gateway

Correct Answer: C

QUESTION 10

A manufacturing company has a large environment where they are using WebSphere Message Broker as their Enterprise Service Bus (ESB). For the services that are provided to partners, a standard Service Level Agreement

(SLA) of four seconds has been defined for the service response time. What should be recommended to determine if the SLAs are satisfied?

A. End-user response time monitoring should be provided.

B. Monitor the Message Broker for response time of the services.

C. Application Response Measurement (ARM) based monitoring should be provided.

D. The service calls through the Message Broker ESB should be tested under load to ensure it can satisfy the requirement.

Correct Answer: B

QUESTION 11

A retail company is faced with the challenge of quickly introducing new products involving components from multiple lines-of-business. How can adopting SOA help this company meet this challenge?

A. By introducing an Enterprise Service Bus (ESB) to support services created from existing legacy application functions

B. By optimizing interactions with business partners using Web services

C. By monitoring retail sales activities and providing company executives with a dashboard for up- to-date KPIs

D. By identifying services in each Line of Business (LOB) that would support new product development and marketing business processes

Correct Answer: D

QUESTION 12

Service enabling a mainframe application can be non-invasive or invasive.

Which scenario is a justification for invasive service enablement?

A. Documentation of legacy code is poor or non-existent.

B. Business logic and presentation logic are intertwined.

C. Screen scraping is a poor option because the application is business-logic intensive.

D. The customer has a team that is highly experienced with JCA and the legacy code.

Correct Answer: B

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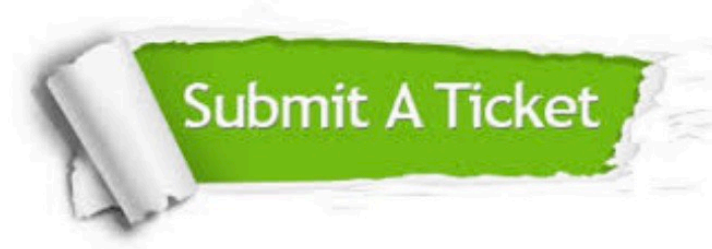Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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