IBM 000-667

000-667 Architectural Design of SOA Solutions

Practice Test

Version 1.1

QUESTION NO: 1

QUESTION NO: 2

A mobile phone company is losing money on the process for deactivating a phone when it is reported stolen or lost due to lag time between notification and deactivation. In the current SOA solution, call center staff disable the phone via a portlet that invokes a deactivation service which calls a mainframe application. The mainframe application notifies the telecom provider to deactivate the phone. What is a likely cause of the issue and which aspect of the solution makes the problem worse?

A. System capacity and peaks in the demand on this process
B. Throughput and the time of day that people most commonly report mobile phone theft
C. System reliability and the skills of the administrative staff involved
D. System availability and the downstream systems

Answer: D

QUESTION NO: 3

If an organization follows the ITIL best practices when considering a change to an existing service, where should they find the existing consumers of the service and the used instances?

A. In the operations run book
B. In the operational architecture document
C. In the configuration management database
D. In the Service Registry

Answer: C

QUESTION NO: 4

A telecom company is trying to capture the business processes that comprise their customer management and provisioning applications. Additionally, they would like to do some process analysis for the purpose of optimizing the interactions between these applications. Which tool, or tools, best fits this situation?

A. Tivoli Application Dependency Discovery Manager
B. Rational Software Architect and Tivoli Composite Application Manager
C. WebSphere Business Modeler

D. WebSphere Integration Developer and Tivoli Performance Viewer

Answer: C

QUESTION NO: 5

An SOA Solution Designer's recommendation for a financial institution is to use a separate gateway and Enterprise Service Bus (ESB) component. The decision considered a number of factors including the organizations current IT environment, staff skills, and non-functional requirements. However, the client has investigated using a more powerful single SOA appliance as a gateway and ESB to save money. Which action should be taken?

A. Make sure that the gateway can scale to the combined non-functional requirements of the ESB and gateway components
B. Suggest that they use multiple security domains for each of the component implementations
C. Suggest the client reconsider the impact of combining the gateway and ESB functionality on the same physical hardware
D. Implement the customer's suggestions and build the ESB into the gateway

Answer: C

QUESTION NO: 6

An SOA Designer for a bank is identifying candidate services for realization. They have determined that the central office and the regional office share the same process, "Open Account", which includes three steps "Account Data Collection", "Account Verification", and "Account Activation". There is an existing customer CICS application for "Account Information Input", "Account Setup", and "Account Inquiry" functionality and an existing SAP system for General Ledger which includes a "Create Account" function. Which are most likely candidates as services in this scenario?

A. Account Data Collection, Account Inquiry, Create Account
B. Account Setup, Account Information Input, Account Activation
C. Account Setup, Account Inquiry, Create Account
D. Account Data Collection, Account Verification, Account Activation

Answer: D

QUESTION NO: 7

The SOA reference architecture identifies core services including Interaction, Process, Information, Partner, Access, and Infrastructure. What is one valid reason for excluding one or

more of these services in an SOA?

A. The application is predominantly middleware in nature, eliminating the need for presentation services.
B. The consumer and the provider belong to different companies.
C. The business sponsor has set budget constraints on solution architecture and the architectural components to be included have to be prioritized.
D. The customer's internal politics make the specification too difficult.

Answer: A

QUESTION NO: 8

A company has been experiencing a substantially higher load on their online ordering system over the holidays. The assigned Solution Architect has recommended the use of selectors in routing the incoming requests based on market factors. Which important design consideration is being addressed when evaluating the business process aspect of an SOA solution?

A. Evaluating a number of deployment options for load balancing
B. Delivery of a consistent user experience under various load conditions
C. Ability to respond quickly to high value orders
D. Leveraging information services to improve customer satisfaction

Answer: C

QUESTION NO: 9

A university is receiving complaints that students cant receive grades reliably due to improper mailing addresses yet they can receive their bills on time at their correct address.

During the assessment and analysis, what is the most likely business objective that can resolve this situation?

A. Resolve inconsistencies between the two processes used for grade reporting and billing
B. Reduce risk with trusted information services delivered in-line and in context
C. Deploy new innovative business models quickly with reusable and optimized processes to adapt the enterprise to changing requests
D. Provide a facility for students to update their mailing address online

Answer: B