

BEA

Exam 0B0-107

BEA SOA Adoption and Implementation Exam

Version: 3.2

[Total Questions: 65]

Question No : 1

Titan Communications is a provider of cable TV, wireless, and wire line phone services. Its stated business objective is to transition from a product centric to a customer centric organization. What is the primary benefit that an SOA would provide Titan?

- A. Agility to change processes or introduce new products quickly
- B. Improved business/IT alignment.
- C. Improved quality of customer service
- D. Consistency in behavior across customer channels

Answer: B

Question No : 2

A shared business service enables the fulfillment of product orders across various lines of business. It composes various information and access services that are managed and maintained by the line-of-business (LOB). One of these LOB-managed fulfillment services is prone to outages. What is the most appropriate FIRST approach to handle the risk to the shared business services consumers?

- A. Provide a caching mechanism to isolate the downstream service
- B. Ensure the shared business services SLA provides both a regular and degraded level of service
- C. Enforce the line of business to a higher service level agreement (SLA)
- D. Take the service out of control of the line of business and into the central group

Answer: B

Question No : 3

What makes SOA more financially justifiable as a reuse strategy than prior reuse initiatives? Choose the best two answers.

- A. Black box reuse traditionally has a non-linear cost profile; SOA gives reuse a linear cost profile.
- B. SOA enables black box re-use in a less intrusive fashion than component oriented development approaches

- C. SOA is focused primarily on reuse as a means to business agility, not as a means to cut cost.
- D. SOA provides standard-based and effective solutions to interface and contract change management and low cost interoperability.

Answer: C,D

Question No : 4

A services schema needs a field added. This will be an incompatible change to the service interface. The service interface and implementation will be updated to handle and store this field. The new service version will be deployed to a new URL endpoint. How should this change be handled?

- A. All dependents should move to the new URL
- B. An intermediary should be provided to adapt the interface from the existing URL to the new URL
- C. All dependents can continue use the existing URL; maintain parallel implementations at the new and existing URL.
- D. An intermediary should be provided to adapt the interface from the new URL to the existing URL

Answer: B

Question No : 5

When performing maintenance upgrades to service implementations, interfaces, or contracts, what is the last line of defense for handling failures?

- A. The infrastructures ability to version and propagate changes between environments.
- B. Corporate change management procedures
- C. The common security frameworks authorization capabilities
- D. A service intermediaries change management facilities

Answer: B

Question No : 6

Best Tech, inc. is a national retailer of consumer electronic goods. Their stores have been dealing with supply problems. Best Techs central distribution department allocates goods to stores based on weekly forecasts calculated by their inventory system. These forecasts are based on monthly batch files sent from the stores that contain sales history. The marketing department sometimes runs flash promotions which causes a run on a particular product. The forecasters usually account for this, but they dont account for complementary products, or products that may be nearby in the store layout that become whim purchases. As such, Best Tech stores are often out of stock on many popular items. Other times, Best Tech stores and regional warehouses are flooded with inventory that they dont need.

While there are several solutions to this problem, what would be the optimal solution for BestTech to handle sales of complementary products, considering SOA best practices?

- A.** Service-enable the local store and regional warehouse inventory systems, so the planning department can, in real time, request inventory status from several stores at once to gain a more accurate single view to drive forecasts.
- B.** Service-enable point of sale and inventory: All sales from the point of sale system should invoke a shared business service that logs the sale, so the forecasters have up-to-the-second planning information
- C.** Service-enable a pull supply chain: All sales from the point of sale system should invoke a shared business service that immediately orders a new part from the warehouse. This in turn invokes a service at the regional distributor, which then invokes a service at the supplier.
- D.** Service enable the forecast feeds so they can be sent on a more frequent basis.

Answer: C

Question No : 7

A business requirement states that a particular composite application must compose and integrate the freshest data possible across several information & access services. What is the appropriate message exchange pattern for this composite application?

- A.** Asynchronous one way
- B.** Synchronous bi-directional
- C.** Parallel fan out with join
- D.** Asynchronous request/response

Answer: C

Question No : 8

An accountant in Acme Incs IT finance department has analyzed their proposed SOA program, and noted that the overall capital and operational costs are significantly less if it is undertaken monolithically (a one year project) as opposed to incrementally (four projects, each 3 months in duration). Specifically, the costs of retraining personnel, re-marketing new product features, and release management are all larger in the incremental case, thus leading to a lower overall ROI. Is this true? (Choose the best answer)

- A.** Yes, incremental delivery is only necessary as a form of risk mitigation, and can risk-adjust its revenue figures to arrive at a similar ROI of a monolithic program.
- B.** No, incremental delivery provides a similar ROI to monolithic ROI since it enables reprioritization, risk mitigation, and the opportunity to perform rework that better aligns the result with the business strategy.
- C.** Yes, incremental delivery is a piece-meal approach to SOA, and is inefficient. An enterprise-wide monolithic delivery program provides the highest ROI.
- D.** No, incremental delivery provides much higher ROI than a monolithic approach if each increment is directly in support of an effective revenue-driving, productivity-enhancing, or cost-cutting business strategy, even though the costs are higher due to rework and extra releases.

Answer: D

Question No : 9

How can a system ensure reliability across a set of loosely coupled services while ensuring availability, performance, and manageability? Choose two of the following.

- A.** Services must be deployed on the same hardware cluster.
- B.** Services must be enrolled in distributed two-phase transactions to ensure consistency.
- C.** Services must be able to compensate for failures of any services it consumes.
- D.** Services must use idempotent messages or reliable messaging protocols.

Answer: C,D

Question No : 10

An information and access service is created to standardize message-oriented access to a relational database. Several batch file feeds go directly to the database and bypass the service interface. What is the most appropriate long term action?

- A. The service interface should be designed to handle both message-oriented and streamed data access.
- B. The batch files should be routed through the service interface as large messages.
- C. Batch feeds must be re-designed at their source systems to instead use messages
- D. None. Direct batch feeds do not have any drawbacks in an SOA.

Answer: A

Question No : 11

Serendipity Securities, Inc. has two major business objectives:

1. Ensure consistent customer information and service capabilities across all product lines and all customer channels (interactive voice response, call centre, and website)
2. Maintain business unit autonomy so new products and/or services can be introduced in a timely fashion.

What is the likelihood of achieving all the objectives through an SOA program?

- A. It is unlikely the objectives can be met because agility and consistency are contradictory.
- B. There is a tradeoff between agility and consistency in dealing with product information, and some compromise must be made between the business units
- C. Both objectives can be met; both agility and consistency are complementary.
- D. There is a tradeoff between agility and consistency in dealing with customer information, and some compromise must be made between the business units

Answer: D

Question No : 12

A services interface and implementation requires upgrading. How should the new version be tested?

- A. Perform a regression test against the services implementation
- B. Perform a regression test against the services interface and contract
- C. Perform a full system regression test to ensure all dependencies pass
- D. Perform a regression test against the services interface

Answer: B

Question No : 13

Acme Builders, inc. has created an SOA roadmap, reference architecture and has exposed an initial handful of data access and shared business services. The development team currently handles all requests for support, diagnosis, and connectivity to these services through manual / ad hoc means. The number of consumers of these services is growing. Which two service lifecycle phases are currently the most appropriate to their SOA transformation program?

- A. Expose
- B. Monitor
- C. Design
- D. Secure
- E. Compose
- F. Build

Answer: B,D

Question No : 14

An order entry service is deployed on a .NET based cluster, callable through SOAP over HTTP, with an expected response time of 1.5 seconds, and guaranteed exactly once message delivery using WS-ReliableMessaging. A new version of this service is planned to be exposed with expected response time of 500 ms and guaranteed at most once message delivery.

What physical part of the service is changing? Make no assumptions other than the information given.

- A. The service transport
- B. The service WSDL
- C. The service URL

Answer: C

Question No : 15