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Exam Code: C2160-669

Exam Name: SOA Fundamentals [2008]

Version: Demo

QUESTION NO: 1

Which need drives a project to use an SOA approach?

- A. Business flexibility
- B. Resource virtualization
- C. Application integration
- D. Improved systems management

Answer: A

QUESTION NO: 2

Which role does WS-Security play in an SOA?

- A. It provides security interchange for RESTful Web services.
- B. It enforces authentication and authorization within an SOA.
- C. It provides an end-to-end security context among Web services.
- D. It provides a security implementation for Enterprise Service Buses (ESB).

Answer: C

QUESTION NO: 3

What is a role of Web services in building an SOA?

- A. To provide interoperability using XML-based messages
- B. To provide an interface for human interaction using task lists
- C. To provide loose coupling via remote method invocations using JAX-RPC
- D. To implement the service functionality through interfaces defined in the applications' BPEL

Answer: A

QUESTION NO: 4

Which initiative helps achieve business agility in SOA?

- A. Pairing up the appropriate service consumers and providers.
- B. Buying prefabricated objects to quickly implement business functions.
- C. Choreographing a business process to efficiently implement the desired business functions.
- D. Designing and developing a new business process model rather than adapting an existing one.

Answer: C

QUESTION NO: 5

In applying SOA, which principle can reduce overall cost?

- A. Reuse services across lines of business.
- B. Build services for only the most important business functions.
- C. Build general services that can perform a variety of business tasks.
- D. Reimplement all services on a consistent hardware and software platform.

Answer: A

QUESTION NO: 6

Which business driver would cause a company in the healthcare industry to consider SOA?

- A. Government regulations for communication and interoperability between companies continue to change.
- B. The cost of healthcare is increasing extremely fast and SOA will bring the costs back under control.
- C. Since doctors and other medical practitioners do not understand IT, SOA can shield these roles from the underlying technology implementation.
- D. Medical providers at smaller companies that use .Net can communicate to larger parent companies that use Java through Web services interoperability.

Answer: A

QUESTION NO: 7

Which is a driving business need for SOA?

- A. Automate and optimize processes
- B. Security, governance and infrastructure
- C. Governance, infrastructure and connectivity
- D. Interoperability, standards and application integration
- E. High availability of hardware, operational systems and services

Answer: A

QUESTION NO: 8

When is an SOA implementation most appropriate?

-
- A. Real-time performance is critical.
 - B. An immediate Return on Investment (ROI) is required.
 - C. The application interfaces require a high degree of customization.
 - D. Business functionality is required by many parts of the organization.

Answer: D

QUESTION NO: 9

Failure to adopt SOA will result in which outcome?

- A. Automation of document processing will be difficult.
- B. Extremely high volume, synchronous, real-time transactions will occur.
- C. Integration costs continue to grow without being offset by new business opportunities.
- D. IT budget will increase to cover the cost of additional governance and development activities.

Answer: C

QUESTION NO: 10

A retail company is having difficulty implementing changes to its business process. Lines of business maintain their own data stores and proprietary access interfaces. There are several manual steps which involve recapturing of data. How can they change this process to make it more efficient?

- A. Outsource the shipping function to reduce overhead costs.
- B. Create services that combine application and information assets.
- C. Create shared services to eliminate redundancies in the process.
- D. Choose the latest technology available to integrate the applications and resources.

Answer: C

Explanation:

QUESTION NO: 11

Which basic characteristics of SOA can contribute to business agility?

- A. Reuse and security
- B. Loose coupling and reuse
- C. Governance and integration
- D. Point-to-point integration and extensibility

Answer: B

QUESTION NO: 12

Which statement describes a business process in the context of SOA?

- A. It is a business policy or decision procedure.
- B. Items are accumulated and then processed together.
- C. It is a series of tasks connected together like building blocks.
- D. It enables interactions between message consumers and providers.

Answer: C

QUESTION NO: 13

If a component of the overall system is functionally complete and operates within that system independently from the functionality of the other components, it is an example of which SOA architectural concept?

- A. Modularity
- B. Extensibility
- C. Loose coupling
- D. Separation of concerns
- E. Composite implementation

Answer: A

QUESTION NO: 14

How are the capabilities of a Web 2.0 application enhanced by SOA?

- A. Two or more SOA services may be connected together to create a new business process, such as in the case of a mashup.
- B. Business users can visually assemble mashups by blending publicly available information and services with a company's internal information and services.
- C. Syndication of site content is enabled through the use of SOA, since it involves standardized protocols, which permit end-users to make use of a site's data in another context.
- D. The community that uses the SOA services can employ community mechanisms on the application, such as ratings and comments, to provide feedback so the application can be E.

Answer: B

QUESTION NO: 15

Which SOA architectural concept is applied as an organization combines services to perform a business process?

- A. Modularity
- B. Composition
- C. Encapsulation
- D. Separation of concerns

Answer: B

QUESTION NO: 16

What is a typical requirement in an SOA environment for determining business success?

- A. Adherence to six-sigma business guidelines
- B. A dashboard for reporting metrics to business analysts
- C. The ability to pilot the solution in a production environment to business stakeholders
- D. The capability to monitor and measure performance against business process goals

Answer: D

QUESTION NO: 17

How can disparate services communicate with each other in an SOA?

- A. Use XML messages to provide interoperability.
- B. Service providers adopt one common data model for all services.
- C. Enforce a common data model at the Enterprise Service Bus (ESB) layer.
- D. Business analysts create the integration logic details to negotiate between services.

Answer: A

QUESTION NO: 18

What does the information in the service registry support?

- A. The complete service lifecycle
- B. Runtime lookup of service endpoints
- C. Enhances messages through mediation
- D. Transformation of messages between different technologies

Answer: B

QUESTION NO: 19

In the context of SOA and Business Process Management (BPM), what demonstrates flexibility in a business process?

- A.** Tasks can be rearranged without impact to the user.
- B.** Business rules can be dynamically stopped at runtime.
- C.** New services can be built at runtime without any special tooling.
- D.** Business processes can be automated so they do not require feedback.

Answer: A

QUESTION NO: 20

A company has implemented a number of business processes using SOA services. How do they determine if their new processes are helping the organization to achieve its business objectives?

- A.** They establish a Center of Excellence (CoE) to monitor and report on the SOA services performance.
- B.** They contact a third party to analyze and evaluate the new processes against the business objectives.
- C.** They set and monitor Key Performance Indicators (KPIs) to track performance against the business objectives.
- D.** They model the new processes in a business model simulator to identify bottlenecks and potential performance issues.

Answer: C

QUESTION NO: 21

In which situation would a manufacturing plant most likely choose to use an SOA approach for their Customer Order Analysis and Tracking System?

- A.** The company wanted development and operations to be as simple as possible.
- B.** The company wanted to break down department silos and encourage everyone to use the same set of tools.
- C.** Most of the company's processes were manual or document-centric with little opportunity for automation.
- D.** The legacy system had grown in such a way that it was not easy to update and could not handle the emerging business demands.

Answer: D

QUESTION NO: 22

What does the SOAP specification define?

- A. A format for XML messaging
- B. An interface to a business process
- C. An Internet communications protocol
- D. The payload contents for a Web service message

Answer: A

QUESTION NO: 23

What is contained in an SOA repository as opposed to a registry?

- A. Service policy information
- B. Versions of software components
- C. Uncommitted transactions to enable compensation handling
- D. Service endpoint information to facilitate dynamic binding at runtime

Answer: A

QUESTION NO: 24

Which three characteristics of services indicate a mature SOA environment?

- A. Services are discoverable.
- B. Services use Web 2.0 technology.
- C. Services are exposed by an Enterprise Service Bus (ESB).
- D. Services are composed into broader business functionality.
- E. Services contain logic to provide compatibility across technologies.
- F. Services use scripting languages to improve system responsiveness.

Answer: A,C,D

QUESTION NO: 25

What is a role of an Enterprise Service Bus (ESB) in SOA management?

- A. To provide the governance of services by limiting who can access services
- B. To provide point-to-point connection of service consumers and service providers

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- C. To provide flexibility that allows business process inefficiencies to be rapidly corrected
 - D. To ensure a seamless flow of information from anywhere at any time using a variety of protocols

Answer: C

QUESTION NO: 26

Which three meet the requirement for SOA identity propagation?

- A. It translates between different identities.
- B. It requires the use of open standards for authentication.
- C. It handles services which each have their own identity registry.
- D. It handles identities which are coupled with application business logic.
- E. It provides a token that describes digital signature blocks within a message.
- F. It understands and operates with a variety of formats for representing identity.

Answer: A,C,F

QUESTION NO: 27

What provides the most value in helping developers find existing SOA services and driving reuse?

- A. Service monitoring
- B. An asset repository
- C. The Enterprise Service Bus (ESB)
- D. Access services to legacy systems

Answer: B

QUESTION NO: 28

What is made more difficult by moving to SOA?

- A. Outsourcing of business functions.
- B. Ensuring Quality of Service (QoS) objectives are met.
- C. Changing business processes to meet government regulations.
- D. Providing a role-based portal for employees, partners and customers.

Answer: B

QUESTION NO: 29

Which activity is required to successfully implement SOA governance?

- A. Establish a service repository.
- B. Acquire ongoing sponsorship by executives with active communication.
- C. Formulate, control and oversee the proper maintenance and growth of business assets.
- D. Define a set of processes, rules and policies that affect the way a corporation is directed, administered or controlled.

Answer: B

QUESTION NO: 30

How can a company enforce adherence to the SOA policies that have been defined?

- A. Define and execute conformance checkpoints across the service life cycle.
- B. Initiate and enable SOA governance communication, education and mentor plans.
- C. Commit to a strategy for SOA in the context of the business goals and IT strategy.
- D. Implement governance organizational structures such as architectural review boards, executive steering committees and Centers of Excellence (CoE) to ensure adherence.

Answer: A

QUESTION NO: 31

Which statement describes the importance of SOA governance?

- A. It provides a tool for controlling the distribution of Web services for a line of business.
- B. It eliminates the risk in migrating a business from standard integration mechanisms to SOA.
- C. It creates a clearly articulated decision framework for designing, implementing and managing SOA services.
- D. It provides a mechanism for the lines of business to provide input to IT staff for the design of services.

Answer: C

QUESTION NO: 32

Organizations that do not adopt SOA will experience which outcome?

- A. The adoption of Web 2.0 technologies will be more problematic.
- B. Outsourcing non-core business functions will become impractical.
- C. The potential value of existing IT assets will not be fully realized.

D. The implementation of Web services to handle real-time transactions will not be possible.

Answer: C

QUESTION NO: 33

When releasing a new service version, which changes to the WSDL document are backwardcompatible?

- A. Adding an operation
- B. Removing an operation
- C. Renaming an operation
- D. Changing the parameters of an operation

Answer: A

QUESTION NO: 34

What is a primary need for implementing SOA governance?

- A. Multiple projects are being implemented concurrently.
- B. The project office is required to report to executive management.
- C. Services are developed, maintained and owned by multiple stakeholders.
- D. Government regulations dictate compliance with government requirements.

Answer: C

QUESTION NO: 35

When services are identified based on isolated applications rather than the business, which problem may result?

- A. Rogue Services
- B. Duplicate Services
- C. Shelfware Services
- D. Application Services

Answer: B

QUESTION NO: 36

When is the location of the service provider first determined in the SOA lifecycle?

-
- A. Model business process and design according to requirements
 - B. Construct and assemble service components
 - C. Configure and deploy from test through production
 - D. Manage to business and IT goals

Answer: C

QUESTION NO: 37

Which advantages does the Enterprise Service Bus (ESB) have over point-to-point solutions?

- A. Flexibility and cost
- B. Redundancy and agility
- C. Performance and scalability
- D. Versatility and adaptability

Answer: D

QUESTION NO: 38

What demonstrates one of the key principles communicated by the IBM SOA Reference Architecture?

- A. Business processes can be modeled in parallel with the services they rely on.
- B. Services are implemented using the Enterprise Service Bus (ESB) and exposed to service consumers.
- C. Business process developers need to communicate effectively with Enterprise Service Bus (ESB) developers.
- D. Changes in service implementations require changes in the service interface which should be reflected in the service registry.

Answer: A

QUESTION NO: 39

Why is messaging important to an SOA?

- A. Messaging improves the performance of complex environments.
- B. Messaging implements separation of concerns resulting in faster development.
- C. Messaging facilitates communication between distributed heterogeneous environments.
- D. Messaging is used to communicate between a repository and an Enterprise Service Bus (ESB).

Answer: C

QUESTION NO: 40

Which capabilities reside within the Enterprise Service Bus (ESB)?

- A. Service mediation and routing logic
- B. Service logic and message transformation
- C. Service implementations and service access control
- D. Service routing and a registry of service endpoints

Answer: A

QUESTION NO: 41

An organization plans to automate a business process and expose the result as a service. How should humans interact with such a business process in the context of SOA?

- A. A Web application may be developed to act as a service consumer, allowing humans to invoke the automated business process. Any activity in the business process may be
- B. The use of human activities in such a business process is not recommended since the slow response that will be received from humans is not suitable to the synchronous
- C. A Web application may be developed to act as a service consumer, allowing humans to invoke the automated business process from a browser. All activities in the business
- D. A Web application may be developed to act as a service consumer, allowing humans to invoke the automated business process. Only unusual steps in the business process
- E. All other activities should be performed by automated service providers.

Answer: A

QUESTION NO: 42

Which two roles do Web services play in an SOA?

- A. They provide mediation for service requests.
- B. They provide the framework for information as a service.
- C. They support interoperability between disparate technologies.
- D. They provide an open standard means for describing service interfaces.
- E. They provide the messaging infrastructure for the Enterprise Service Bus (ESB).

Answer: C,D

QUESTION NO: 43

Which three characteristics of SOA can make a business more agile?

- A. Defining rules for business
- B. Enforcing governance processes
- C. Creating components that can be shared
- D. Maintaining up-to-date application interfaces
- E. Building applications from reusable components
- F. Changing the implementation without affecting the consumers

Answer: C,E,F

QUESTION NO: 44

Access services represent which vital function in the IBM SOA Reference Architecture?

- A. Distributed role-based access control mechanisms
- B. Connectivity with existing and legacy functionality
- C. Additional security at gateway points between domains
- D. Services exposed across different business units or organizations

Answer: B

Explanation:

QUESTION NO: 45

Which cross-cutting concerns are present at all areas within a logical SOA?

- A. Integration, security, management, monitoring and governance
- B. Logging, auditing, business processes, information architecture, identity provision and governance
- C. Encapsulation, separation of concerns, high cohesion, loose-coupling, correct granularity and abstraction
- D. Business flexibility, business agility, cost effectiveness, goal related, traceable requirements and continuous incremental improvement

Answer: A

QUESTION NO: 46

What describes a task within a modeled business process?

- A. The description of steps required to complete a unit of work

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- B. Each task represents a work item performed by a system or human
 - C. The transition that takes place for the business process to continue
 - D. When a human completes a task it is marked complete allowing the process to proceed

Answer: B

QUESTION NO: 47

Which is an architectural characteristic of SOA?

- A. An emphasis on standards
- B. Utilizing Web services to access all business functionality
- C. An Enterprise Service Bus (ESB) with an emphasis on Web services
- D. An Enterprise Service Bus (ESB) with an emphasis on XML messaging

Answer: A

QUESTION NO: 48

Which might cause a challenge to prioritizing, defining and funding services in SOA?

- A. Services that support multiple projects and/or lines of business
- B. Services that need to consider non-disruptive roll-out of changes
- C. Services that are based on standards to allow for interoperability
- D. Service requesters that are independent of the service implementation

Answer: A

QUESTION NO: 49

What are two recommended approaches to SOA adoption?

- A. SOA adoption involves incremental change.
- B. Select a business pilot and enable a line of business.
- C. SOA adoption involves a complete and immediate change.
- D. The transition to SOA begins with the selection of appropriate technology.
- E. The first steps in the journey to SOA implementation depends on the company's industry.

Answer: A,B

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