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Oracle IT Architecture SOA

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QUESTION 1

Whether from new/changing business requirements or technical optimizations, your Services are bound to change and evolve over time. The lack of a Service versioning strategy will greatly impact the flexibility of your SOA initiative as it will severely hinder Service evolution. Which three principles should be part of a Service versioning strategy?

A. Service providers must be able to release new versions into production without waiting for consumers to certify on them.

B. A new version of a Service must be developed using the same technology (for example, Java) that the original Service was developed in.

C. Concurrent versions of a Service must always be deployed on the same physical server.

D. Service consumers should not require code modifications in order to access the latest

compatibleService versions.

E. Consumers must be able to test and certify on new Service versions before switching to the newversion in production.

Correct Answer: BCE

QUESTION 2

Which two statements are valid SOA infrastructure principles?

A. SOA infrastructure must be designed to enable point-to-point integration.

B. SOA Infrastructure must support all Services with standards-based interfaces, regardless of their choice of implementation technology.

C. SOA Infrastructure must be based on open standards. This supports a best-of-breed approach and prevents vendor lock in.

D. Multiple versions of a SOA Service must not be run concurrently.

Correct Answer: BC

QUESTION 3

It has come to your notice that there is little or no reuse of SOA Services in production. After some

investigation, you have been made aware that project development teams are struggling with Service

interoperability challenges.

What course of action do you take to address these challenges?

A. A single registry is employed to ensure Services are consistently published.

B. A single service engineering team is employed to build all Services which ensure implementation consistency.

C. A single technology (for example, Java) is employed to build all Services which ensure standards consistency.

D. Design-time governance quality points are employed to ensure that Services following agreed enterprise standards and guidelines.

E. A single repository is employed to ensure Services are consistently discoverable.

Correct Answer: A

QUESTION 4

You have decided to define your own focused and customized SOA Governance Model with an accompanying continuous improvement feedback loop. The continuous improvement feedback loop is executed upon receiving one or more event notifications. Your service bus vendor announces that a stable and mature SOA security standard is now available in the latest version of the product. Which event would need to be published to initiate the continuous Improvement feedback loop?

A. Strategic Change

B. Vendor Revision

C. Operational Exception

D. SOA Maturity Level Change

E. Technology Revision

F. Periodic

Correct Answer: C

QUESTION 5

While monitoring the effectiveness of your existing SOA governance model you notice that employees are not acting, interacting, and collaborating in the best Interest of your SOA initiative. What best approach should you take to address your challenges?

A. Hold meetings for interested employees where they are encouraged to read and understand the standards and policies to which they must adhere

B. Project teams are given ultimatums to adhere to standards and policies or pay the consequences

C. Have visible and vocal support from a sponsor who re-iterates the importance of the SOA initiative and the role that employees will play

D. Project teams are given both ultimatums and inducements to adhere to standards and policies

E. Define a SOA Center of Excellence that hires external consultants to develop Services that adhere to standards and policies

F. Give inducements to project teams to adhere to standards and policies

Correct Answer: D

QUESTION 6

It has come to your notice that your organization is suffering from service sprawl whereby, duplicate services exist in production. After some Investigation you have come to the conclusion that your existing SOA Services are not classified and therefore, making Service Discovery challenging. Which initial classification scheme should you utilize to classify your SOA Services?

A. Organizational Model

B. Technology Vendor

C. Business Functional Model

D. Reference Architecture Service Layer

E. Reference Architecture Capability

Correct Answer: A

QUESTION 7

How should business processes and technical orchestrations be handled when developing SOA Services as part of service-oriented integration architecture?

A. Technical orchestrations are business processes that have been implemented using BPEL

B. Business processes should be isolated from technical details by encapsulating the technical details in technical orchestrations.

C. Activities within a business process that are likely to change due to business changes should be encapsulated in a technical orchestration.

D. Business processes should not use any technical orchestrations.

E. Business processes only call Business Services whereas technical orchestrations only call Connectivity Services.

Correct Answer: B

QUESTION 8

Which two statements are true with respect to SOA Services?

A. A Service must not have any dependency on the identity of the consumer that invokes it.

B. Services should be aware of the protocol used to invoke them, where they physically exist, and on what type of hardware or operating system they run.

C. In order for Services to be versatile and support reuse, there must be no separation of concerns in terms of what they do and how they are used.

D. Services must not be tied to any particular physical location.

Correct Answer: AD

QUESTION 9

The company you are working with wants to integrate an environment control system into the facility security and monitoring system. The environment control system sends temperature and humidity readings every half second. What is the best message exchange pattern to use for this integration and why?

A. The one-way message exchange pattern is the best pattern for this scenario because it requires the least network resources and if a message is lost, another message with more up-to-date information will be sent in less than a second.

B. The reliable one-way message exchange pattern is the best pattern for this scenario because it provides a status return code so that a lost message can be re-sent.

C. The request-response message exchange pattern is the best pattern for this scenario because the security and monitoring system needs to provide a response message to the environment control system.

D. The request optional-response message exchange pattern is the best pattern for this scenario because the security and monitoring system may want to provide a response message to the environment control system.

E. The buffer-and-send message exchange pattern is the best pattern for this scenario because the messages from the environment control systems are grouped together and sent less frequently in larger messages thus reducing network traffic.

Correct Answer: A

QUESTION 10

During Service identification and discovery, which three reasons you would use a business function model?

A. To identify functional overlap and linkages in the SOA project selection process

B. To summarize what an enterprise does and the relationship between those functions

C. Identify the high-level business processes in the organization

D. Define the organizational structure for the business

E. Provide a structure for a federated enterprise service bus deployment

Correct Answer: BDE

QUESTION 11

One of the goals of your newly formed SOA initiative is for business persons to support business-level service composition. Which option best supports your goal?

A. Services must include a formal contract that specifies the functional and non-functional capabilities provided.

B. Employ a Service naming strategy that details what functionality the Service delivers.

C. Deploy a Service Repository that classifies Services by the name of the back-end system where the implementation code resides.

D. Assign a Business Architect from the SOA COE to support a group of business persons.

Correct Answer: A

QUESTION 12

Which three statements differentiate SOA requirements from project requirements?

A. SOA requirements are not owned by any single application, consist of their own lifecycle, and are managed independently.

B. SOA requirements are developed iteratively with the business and mapped onto the enterprise business function model.

C. SOA requirements have a classification that reflects the project that implemented them.

D. SOA requirements are managed at the enterprise level.

E. SOA requirements are concerned with the Services that deliver integration capabilities.

F. SOA requirements are refined into project requirements.

Correct Answer: ABC

QUESTION 13

While analyzing the business requirements, you identify some cross-cutting functionality that does not carry any business context or have an affinity to any specific application. To which service layer classification does the Service you develop to fulfill this requirement belong?

A. Connectivity Service

B. Data Service

C. Business Activity Service

D. Utility Service

E. Presentation Service

Correct Answer: D

QUESTION 14

An IT organization already has a mixture of products that they are using for their application integrations. They want to map their products onto the service-oriented integration architecture. What guidance do you give them for

accomplishing this task?

A. The capabilities in a product are identified and then the product is mapped to the architecture based on those capabilities. A product can map to more than one layer of the architecture.

B. The capabilities in a product are identified and then the product mapped to the architecture based on those capabilities. The product is mapped to the layer of the architecture where the most capabilities lie.

C. A product is compared to the Oracle products that are already mapped onto the architecture. The product is mapped onto the architecture as a replacement for the most similar Grade product,

D. A product is compared to the Oracle products that are already mapped onto the architecture. If the product provides all the capabilities of an Oracle product, the product replaces that Oracle product.

E. Products are not directly mapped onto the architecture; only the capabilities provided by the products are mapped onto the architecture.

Correct Answer: A

QUESTION 15

Which two statements accurately describe how the service-oriented integration architecture is deployed to physical hardware?

A. Each layer in the architecture must be deployed to separate hardware.

B. All layers of the architecture must be deployed to the same hardware.

C. Multiple layers in the architecture may share hardware.

D. All client access to the architecture must pass through the mediation layer.

E. The Business Process layer and the Business Service layer are deployed to the DMZ tier,

F. The Data Movement layer is deployed to the DMZ tier.

Correct Answer: AD

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