Vendor: SAP

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Exam Name: SAP Enterprise Architect

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QUESTION 1
Which of the following set of artifacts does SAP provide as part of the SAP Reference Solution Architecture content?

A. Solution Value Flow Diagram/Solution Process Flow Diagram/Solution Component Diagram/Solution Data Flow Diagram.
B. Solution Context Diagram/Solution Component Diagram/Solution Application Use-Case Diagram/Solution Value Flow Diagram.
C. Solution Value Flow Diagram/Solution Process Flow Diagram/Solution Component Diagram.

Answer: B
Explanation:
SAP provides several artifacts as part of the SAP Reference Solution Architecture content to guide and streamline solution design and implementation. The artifacts provided are aimed at delivering comprehensive architectural documentation to cover various aspects of the solution architecture. Option B includes the Solution Context Diagram, which provides a high-level view of the system's environment and boundaries. The Solution Component Diagram gives an overview of the components and their interactions within the system. The Solution Application Use-Case Diagram describes how different users will interact with the application. The Solution Value Flow Diagram illustrates the value that flows through the system and between stakeholders.

QUESTION 2
Which artifact from the SAP Reference Solution Architecture shows which data objects are exchanged between SAP application components in a given end-to-end scenario?

A. SAP Data Object Diagram, which is available from SAP API Business Accelerator Hub (api.sap.com)
B. SAP Data Flow Diagram, which is available from SAP API Business Accelerator Hub (api sap.com)
C. SAP Data Component Diagram, which is available in SAP Signavio Process Explorer

Answer: B
Explanation:
The SAP Data Flow Diagram (DFD) is an artifact from the SAP Reference Solution Architecture that shows which data objects are exchanged between SAP application components in a given end-to-end scenario. The DFD uses a graphical representation to show the flow of data between different components of a system.

The SAP Data Object Diagram (DOD) is also an artifact from the SAP Reference Solution Architecture, but it does not show the flow of data between different components. The DOD shows the structure of data objects, including their attributes and relationships.

The SAP Data Component Diagram (DCD) is an artifact from SAP Signavio Process Explorer, which is a tool for modeling business processes. The DCD shows the different components of a system, including their relationships.

QUESTION 3
As part of the mapping of a Business Architecture to the Solution Architecture, an Environment & Location Diagram must be developed in the Technology Architecture phase. In this context, numerous architecture decisions have to be made. Among other things, you must check which SAP BTP services and which SAP SaaS solutions are available as part of the Solution Architecture in which data center of the desired hyperscaler. How do you go about this validation?

A. I use the SAP Business Accelerator Hub (api.sap.com) because it provides all the required information regarding SAP BTP service and SAP SaaS solution availability for each hyperscaler, in a central location.
B. I use the SAP Discovery Center to check which of the selected SAP BTP services are offered by which hyperscaler. With help from the SAP Trust Center, I check in which data center the involved SAP SaaS solutions are available.
C. I use the SAP Discovery Center to check in which data centers the respective SAP BTP services and the SAP SaaS solutions are available.

Answer: B
Explanation:
According to the SAP Discovery Center 1 and the SAP Trust Center 2, the steps involved in this validation are:

Use the SAP Discovery Center to check which of the selected SAP BTP services are offered by which hyperscaler. The SAP Discovery Center is a platform that provides access to SAP BTP services, events, and related resources, and helps you to implement your use cases on SAP BTP with step-by-step guidance and support from topic experts and SAP Community. In the Service Catalog section of the SAP Discovery Center, you can browse and filter the available SAP BTP services by category, region, or hyperscaler. You can also compare the features and pricing of different services, and learn how to use them in your projects.

Use the SAP Trust Center to check in which data center the involved SAP SaaS solutions are available. The SAP Trust Center is a platform that provides information on cloud performance, security, privacy, and compliance. In the Certification and Compliance section of the SAP Trust Center, you can find certificates, reports, and attestations that show how SAP meets various industry standards and regulatory requirements. You can also filter the documents by solution, region, or hyperscaler, and download them for your reference.

QUESTION 4
Why is it useful to create Transition Architectures in the Application Architecture domain?

A. They structure complex application architectures that require multiple changes to existing independent applications and/or the rollout of new applications. Considered applications/solutions do NOT depend on the existence of others.
B. They reduce the total number of solution components in the target state of complex application architectures that require multiple changes of existing applications and/or rollout of new applications. All applications/solutions do NOT depend on the existence of others.
C. They structure complex application architectures that require multiple changes of existing interdependent applications and/or the rollout of new applications. Some applications/solutions depend on the existence of others.

Answer: C
Explanation:
According to the SAP Enterprise Architecture Framework, which is a methodology and toolset by the German multinational software company SAP that helps enterprise architects define and implement an architecture strategy for their organizations, Transition Architectures are intermediate states between the Baseline Architecture (the current situation) and the Target Architecture (the desired future state). Transition Architectures describe how to move from one state to another in a feasible and manageable way, taking into account the constraints and dependencies of the project. Transition Architectures are useful for structuring complex application architectures that require multiple changes of existing interdependent applications

and/or the rollout of new applications. Some applications/solutions depend on the existence of others, meaning that they cannot be implemented or operated without the presence or functionality of other applications/solutions. For example, a new application that relies on data from an existing application, or an existing application that needs to be integrated with a new application.

QUESTION 5
Green Elk & Company is the world's leading manufacturer of agricultural and forestry machinery. The former company slogan "Elk always runs has recently been changed to "Elk feeds the world". One of Green Elk's strategic goals is to increase its revenue in the emerging markets of China, India, and other parts of Asia by 80% within three years. This requires a new business model that caters to significantly smaller farms with limited budgets. The CIO asks you, the Chief Enterprise Architect, to present an Architecture Roadmap that addresses the business challenge. According to the SAP Enterprise Architecture Framework, what is the best answer?

A. Create a work breakdown structure to identify milestones, key deliverables and resources to outline the planned transformation.
B. Reuse the artifacts of previous phases as input for creating roadmaps. Focus on the Target Architecture and define an application architecture roadmap.
C. Reuse the artifacts of previous phases as input for creating roadmaps. Focus on the Business Strategy Map with business capabilities and initiatives and define a business architecture roadmap
D. Reuse the artifacts of previous phases as input for creating roadmaps. Start with a roadmap construction table, by defining initiatives and business outcomes, and detailing the business capabilities and solutions, to create two versions of a roadmap (outcome-based and application-specific)

Answer: D
Explanation:
The SAP Enterprise Architecture Framework (EAF) defines an Architecture Roadmap as a "high-level plan that describes the sequence of activities and deliverables required to achieve the target architecture." The roadmap should be based on the artifacts of the previous phases of the EAF, such as the Business Strategy Map, the Solution Concept, and the Baseline Business and Solution Architecture.

The first step in creating an Architecture Roadmap is to define the initiatives that will be needed to achieve the target architecture. These initiatives should be aligned with the business outcomes that the organization is trying to achieve.

The next step is to detail the business capabilities and solutions that will be needed to support the initiatives. This will help to ensure that the roadmap is realistic and achievable.

Finally, the roadmap should be created in two versions: an outcome-based roadmap and an application-specific roadmap. The outcome-based roadmap will show how the initiatives will achieve the business outcomes. The application-specific roadmap will show how the solutions will be implemented.

By following these steps, you can create an Architecture Roadmap that will help you to achieve your organization's strategic goals.

QUESTION 6
In the SAP Enterprise Architecture Framework, which of the following artifacts are part of the opportunities & solution phase? Note: There are 3 correct answers to this question.

A. Business Architecture Roadmap
B. Work Breakdown structure
C. Implementation Roadmap
D. Application Architecture Roadmap
E. Migration plan

Answer: ABD

QUESTION 7
A custom web application developed with SAPUI5 and running on SAP Business Technology Platform uses large custom data objects deployed in a central data store (SAP HANA Cloud). The solution architect of the application is unsure about which tools to use for integration of this data from different SAP Sources into the central data store and asks you as the Enterprise Architect for guidance. Under which conditions is a data-oriented integration approach (Data Integration) preferable to other integration styles?

A. The data objects are built with data from different SAP and non-SAP sources that change infrequently and are available from REST and Message APIs (event-driven systems).
B. If the data objects are built with data from different SAP and non-SAP sources that can be structured and unstructured, change with high frequency, and need to be cleansed, correlated and partly newly calculated.
C. If the data objects are built with data from different SAP and non-SAP sources that can be structured and unstructured, change with high frequency, and need to be newly calculated.

Answer: B
Explanation:
A data-oriented integration approach is optimal when dealing with diverse data sources and complex data requirements. This includes scenarios where the data is both structured and unstructured, changes rapidly, and needs significant processing such as cleansing, correlation, and partial recalculation. The advantage of this approach is that it centralizes data handling and transformation logic, allowing for more efficient data processing and integration into a central store like SAP HANA Cloud.

QUESTION 8
What kind of applications can you develop with SAP Business Application Studio?

A. SAPUI5 (SAP Fiori) applications and ABAP applications
B. ABAP applications
C. SAPUI5 (SAP Fiori) applications

Answer: C
Explanation:
SAP Business Application Studio is a modern development environment designed to support the development of various SAP-centric applications. Among the supported application types are:

SAPUI5 (SAP Fiori) applications (C): SAP Business Application Studio provides extensive tools and templates specifically tailored for developing SAPUI5 applications, which are the backbone of the SAP Fiori user experience. This includes support for frontend development with rich user interfaces, integration with SAP services, and adherence to SAP Fiori design principles.

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