

OGEA-102 Dumps

TOGAF Enterprise Architecture Part 2 Exam (English)

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NEW QUESTION 1

Please read this scenario prior to answering the question

Your role is that of a consultant to the Lead Enterprise Architect to an international supplier of engineering services and automated manufacturing systems. It has three manufacturing plants where it assembles both standard and customized products for industrial production automation. Each of these plants has been operating its own planning and production

scheduling systems, as well as applications and control systems that drive the automated production line.

The Enterprise Architecture department has been operating for several years and has mature, well-developed architecture governance and development processes that are based on the TOGAF Standard. The CIO sponsors the Enterprise Architecture.

During a recent management meeting, a senior Vice-President highlighted an interview where a competitor company's CIO is reported as saying that their production efficiency had been improved by replacing multiple planning and scheduling systems with a common Enterprise Resource Planning (ERP) system located in a central data center. Some discussion followed, with the CIO responding that the situations are not comparable, and the current architecture is already optimized.

In response, the Architecture Board approved a Request for Architecture Work covering the investigations to determine if such an architecture transformation would lead to improvements in efficiency. You have been assigned to support the architecture team working on this project. A well-known concern of the plant managers is about the security and reliability of driving their planning and production scheduling from a remote centralized system. Any chosen system would also need to support the current supply chain network consisting of local partners at each of the plants. Refer to the scenario

You have been asked to explain how you will initiate the architecture project. Based on the TOGAF Standard, which of the following is the best answer?

- A. You would research vendor literature and conduct a series of briefings with vendors that are on the current approved supplier list
- B. Based on the findings from the research, you would define a preliminary Architecture Vision including summary views, high-level requirements, and high-level definitions of the baseline and target environments from a business, information systems, and technology perspective
- C. You would then use that to build consensus among the key stakeholders.
- D. You would conduct a pilot project that will enable vendors to demonstrate potential off-the-shelf solutions that address the concerns of the stakeholder
- E. Running a pilot project will save time and money later in the process
- F. Based on the findings of that pilot project, a complete set of requirements can then be developed that will drive the evolution of the architecture
- G. Once the requirements are completed, a formal stakeholder review should be held, and permission sought to proceed to develop the target architecture.
- H. You would hold a series of interviews at each of the manufacturing plants using the business scenarios technique
- I. This will allow you to understand the systems and integrations with local partners
- J. You would use stakeholder analysis to identify key players in the engagement, and to understand their concerns
- K. You will then identify and document the key high-level stakeholder requirements for the architecture
- L. You will then generate high level definitions of the baseline and target architectures.
- M. You would develop baseline and target architectures for each of the manufacturing plants, ensuring that the views corresponding to selected viewpoints address key concerns of the stakeholder
- N. A business case, together with performance metrics and measures should be defined to ensure the architecture meets the business need
- O. A consolidated gap analysis between the architectures will then validate the approach and determine the capability increments needed to achieve the target state.

Answer: C

Explanation:

The best answer is C. You would hold a series of interviews at each of the manufacturing plants using the business scenarios technique. This will allow you to understand the systems and integrations with local partners. You would use stakeholder analysis to identify key players in the engagement, and to understand their concerns. You will then identify and document the key high-level stakeholder requirements for the architecture. You will then generate high level definitions of the baseline and target architectures.

This answer is based on the TOGAF standard, which recommends the following steps to initiate the architecture project¹:

- Establish the architecture project
- Identify stakeholders, concerns, and business requirements
- Confirm and elaborate business goals, business drivers, and constraints
- Evaluate business capabilities
- Assess readiness for business transformation
- Define scope
- Confirm and elaborate Architecture Principles, including business principles
- Develop Architecture Vision
- Define the Target Architecture value propositions and KPIs
- Identify the business transformation risks and mitigation activities
- Secure stakeholder and sponsor approval

The answer C covers most of these steps, by using the business scenarios technique to elicit and validate the business requirements, goals, drivers, and constraints, as well as the current and future states of the architecture². The answer C also uses stakeholder analysis to identify and engage the key stakeholders, and to address their concerns and expectations³. The answer C also generates high level definitions of the baseline and target architectures, which can be used to develop the Architecture Vision and the value propositions⁴.

The other answers are not the best approach for architecture development, because:

- Answer A focuses on researching vendor literature and conducting briefings with vendors, which is not the best way to understand the business needs and the current situation of the enterprise. Answer A also defines a preliminary Architecture Vision without involving the stakeholders or validating the requirements, which may lead to misalignment and lack of consensus.
- Answer B conducts a pilot project that will enable vendors to demonstrate potential solutions, which is premature and costly at this stage of the architecture project. Answer B also does not address the stakeholder concerns or the current systems and integrations, which may result in gaps and risks. Answer B also develops the requirements after the pilot project, which may not reflect the actual business needs and goals.
- Answer D develops baseline and target architectures for each of the manufacturing plants, which may not consider the enterprise-wide perspective and the potential benefits of a common ERP system. Answer D also does not involve the stakeholders or address their concerns, which may result in resistance and conflict. Answer D also does not define the business case or the performance metrics, which are essential for demonstrating the value and feasibility of the architecture.

References:1: The TOGAF Standard, Version 9.2 - Architecture Vision2: The TOGAF Standard, Version 9.2 - Business Scenarios3: [The TOGAF Standard, Version 9.2 - Stakeholder Management]4: [The TOGAF Standard, Version 9.2 - Architecture Definition Document]

NEW QUESTION 2

Please read this scenario prior to answering the question

You are the Lead Enterprise Architect at a major agribusiness company. The company's main harvest is lentils, a highly valued food grown worldwide. The lentil parasite, broomrape, has been an increasing concern for many years and is now becoming resistant to chemical controls. In addition, changes in climate favor the

propagation and growth of the parasite. As a result, the parasite cannot realistically be exterminated, and it has become pandemic, with lentil yields falling globally. In response to the situation, the CEO has decided that the lentil fields will be used for another harvest. The company will also cease to process third-party lentils and will repurpose its processing plants. Thus, the target market will change, and the end-products will be different and more varied. The company has recently established an Enterprise Architecture practice based on the TOGAF standard as method and guiding framework. The CIO is the sponsor of the activity. A formal request for architecture change has been approved. At this stage there is no fixed scope, shared vision, or objectives. Refer to the scenario

You have been asked to propose the best approach for architecture development to realize the CEO's change in direction for the company. Based on the TOGAF standard which of the following is the best answer?

- A. You propose that this engagement define the baseline Technology Architecture first in order to assess the current infrastructure capacity and capability for the company
- B. Then the focus should be on transition planning and incremental architecture deployment
- C. This will identify requirements to ensure that the projects are sequenced in an optimal fashion so as to realize the change.
- D. You propose that the team uses the architecture definition document and focus on architecture development starting simultaneously phases B, C and E. This is because the CEO has identified the need to change
- F. This will ensure that the change can be defined in a structured manner and address the requirements needed to realize the change.
- G. You propose that the team focus on architecture definition including development of business models, with emphasis on defining the change parameters to support this new business strategy that the CEO has identified
- H. Once understood, the team will be in the best position to identify the requirements, drivers, issues, and constraints for the change.
- I. You propose that the priority is to produce a new Request for Architecture Work leading to development of a new Architecture Vision
- J. The trade-off method should be applied to identify and select an architecture satisfying the stakeholder
- K. For an efficient change the EA team should be aligned with the organization's planning, budgeting, operational, and change processes.

Answer: D

Explanation:

A Request for Architecture Work is a document that describes the scope, approach, and expected outcomes of an architecture project. A Request for Architecture Work is usually initiated by the sponsor or client of the architecture work, and approved by the Architecture Board, which is a governance body that oversees the architecture work and ensures compliance with the architecture principles, standards, and goals. A Request for Architecture Work triggers a new cycle of the Architecture Development Method (ADM), which is the core process of the TOGAF standard that guides the development and management of the enterprise architecture¹²

An Architecture Vision is a high-level description of the desired outcomes and benefits of the proposed architecture. An Architecture Vision is the output of Phase A: Architecture Vision of the ADM cycle, which is the first phase of the architecture development. An Architecture Vision defines the scope and approach of the architecture work, and establishes the business goals and drivers that motivate the architecture work. An Architecture Vision also involves obtaining the approval and commitment of the sponsors and other key stakeholders, and initiating the Architecture Governance process³

A trade-off analysis is a technique that can be used to evaluate and compare different architecture alternatives and select the most suitable one. A trade-off analysis involves identifying the criteria and factors that are relevant to the decision, such as costs, benefits, risks, and opportunities, and assessing the strengths and weaknesses of each alternative. A trade-off analysis also involves balancing and reconciling the multiple, often conflicting, requirements and concerns of the stakeholders, and ensuring alignment with the Architecture Vision and the Architecture Principles.

Therefore, the best answer is D, because it proposes the best approach for architecture development to realize the CEO's change in direction for the company. The answer covers the Request for Architecture Work, the Architecture Vision, and the trade-off analysis techniques that are relevant to the scenario.

References: 1: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 7: Request for Architecture Work 2: The TOGAF Standard, Version 9.2, Part VI: Architecture Capability Framework, Chapter 50: Architecture Governance 3: The TOGAF Standard, Version 9.2, Part II: Architecture Development Method (ADM), Chapter 18: Phase A: Architecture Vision : The TOGAF Standard, Version 9.2, Part III: ADM Guidelines and Techniques, Chapter 30: Trade-Off Analysis

NEW QUESTION 10

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