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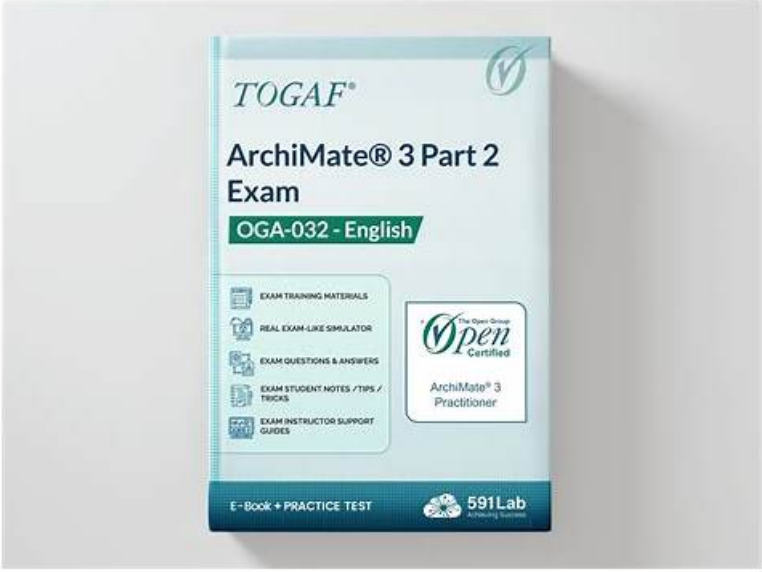

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>> OGA-032技術内容 <<

OGA-032復習資料 & OGA-032試験問題集

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The Open Group ArchiMate 3 Part 2 Exam 認定 OGA-032 試験問題 (Q10-Q15):

質問 # 10
Please read this scenario prior to answering the question
The ArchiSurance enterprise document management solution includes a sophisticated ecosystem of applications and technologies. Designed with a strong emphasis on high availability, it plays a vital role in providing support for a diverse range of document types and managing a substantial volume of document-based transactions on a daily basis.
Recognizing its importance to the business, the document management solution is redundantly hosted at two geographically separate data center sites, both configured identically for seamless operations.
The system software at the core of the document management solution is comprised of three key modules.
The Document Engine serves as a repository, facilitating document storage, retrieval, and various other operations. The Workflow Engine acts as a host for document management applications, while the Application Engine powers the most advanced and

sophisticated applications within the system.
Two key factors have driven the Architecture Board's approval of a project aimed at updating this critical solution. Firstly, the supplier of the Workflow Engine has given notice of the end of support for the current software version, necessitating an upgrade. Secondly, the system administrator responsible for the Application Engine has flagged the need for hardware replacement on the server where the software is currently running. Given that the Claim Management application shares infrastructure with the Application Engine, the involvement of the system administrator responsible for this application is crucial in the project planning and execution.
Refer to the Scenario
You are the Enterprise Architect within this organization. You have been assigned the task of modeling the applications and technology for this solution, as well as outlining the motivations driving the need for its update.
Based on the scenario, which answer provides the most complete and accurate description?

- A. A diagram of a software project Description automatically generated
- B. A diagram of software development Description automatically generated
- C. A diagram of software development Description automatically generated
- D. A diagram of software development Description automatically generated

正解：D

解説：
This scenario revolves aroundArchiSurance's document management solutionand themotivationsbehind updating the solution due to software and hardware challenges. The task is to model both theapplicationsand technology componentsinvolved, along with themotivationsdriving the need for an update.
Key ArchiMate® 3.2 Concepts Applied:
* Applications and Components:
* Claim Management Application:This application handles key processes such asfiling claimsand assigning claims, and it shares infrastructure with theApplication Engine.
* Document Management Solution:Includes several subsystems such as:
* Document Engine:Managesdocument storage, retrieval, and processing operations.
* Workflow Engine:Facilitates document workflows and supports document-related operations.
* Application Engine:Hosts sophisticated applications likeClaim Management.
* Data Objects:
* Proof of Loss DocumentsandProof of Loss Dataare critical components managed by the Document Management Solution. This data is processed and handled by both theDocument Engineand theClaim Managementapplication.
* Technology and Infrastructure:
* Hardware Platform Needs Replacing:TheApplication Engineruns on hardware that needs replacement. This drives a part of the motivation for updating the infrastructure.
* Software Version Needs to Be Updated:TheWorkflow Engineis running on outdated software, necessitating an upgrade to ensure continued support and functionality.
* High Availability of Infrastructure:Given that the system is redundantly hosted across two data centers,high availabilityis crucial for seamless operations. This includes continuous availability for the document management processes.
* Motivations and Drivers:
* Theend-of-supportnotice from theWorkflow Enginesupplier requires anupgradeto maintain operational continuity.
* The system administrator responsible for theApplication Enginehas raised concerns about hardware needing replacement, adding urgency to the infrastructure upgrade.
Why Option D is Correct:
* Option Dprovides the most comprehensive representation of the applications, infrastructure, and motivations for updating the solution.
* It clearly shows theClaim Management Applicationand its interaction with theClaim Assignment Business Rules Data, as well as how it relies on theApplication Engine.
* TheDocument Management Solutionand its subsystems (Document Engine, Workflow Engine, and Application Engine) are correctly depicted, with clear relationships to the data they manage (Proof of Loss Documents and Data).
* The motivations for change-specifically, the need toupdate the Workflow Engine softwareand replace thehardware platform-are clearly shown, alongside their impact on the overall system.
* The diagram shows the involvement of thesystem administratorin the update process, which is important for ensuring smooth project execution.
Why Other Options Are Incorrect:

* Option AandOption Bdo not accurately capture all necessary relationships, particularly the connections between theClaim Managementapplication and its reliance on theApplication Engine infrastructure. They also miss some of the drivers related to the requiredhardware replacement.
* Option Comits some key details regarding how theClaim Management ApplicationandDocument Management Solutioncomponents interact with the system, particularly theClaim Assignment Business Rules DataandProof of Loss Data.
Conclusion:
Option Dis the best answer because it offers the most complete and accurate representation of the applications, technology infrastructure, and driversfor the update project. It clearly illustrates how the Claim ManagementandDocument Managementsystems work together, along with the necessary infrastructure updates, in line with ArchiMate® 3.2 modeling standards.

質問 # 11
Please read this scenario prior to answering the question
The ArchiSurance senior management, board members, customers, and major stockholders have expressed long-standing concerns regarding the business continuity risks associated with relying on a single data center.
Located in an area prone to
flooding, earthquakes, and occasional water leaks from the cafeteria above, the current data center has significant vulnerabilities.
To address these concerns and mitigate the risks, ArchiSurance has developed a comprehensive plan to relocate its existing data center to two separate ready-to-use data centers in different cities. As a major undertaking, the approval of the Board of Directors is required to proceed with the project.
The primary objectives of the data center move are to reduce the risk of business interruptions, reduce both planned and unplanned downtime for critical applications, and provide reassurance to ArchiSurance stakeholders. Ensuring minimal disruption during the transition is crucial. However, several constraints make the planned migration to the new data centers particularly challenging.
Certain critical ArchiSurance applications cannot be offline for more than one hour, and any planned downtime must be restricted to specific four-hour windows on weekends. Additionally, the migration cannot take place during quarterly or year-end closing periods to avoid disrupting critical processing operations.
ArchiSurance management has devised a multi-phase data center transformation program to facilitate a smooth transition. Each phase is critical for establishing stable and fully functional data center configurations throughout the transformation process.
The initial phase entails detailed scheduling and planning to develop a comprehensive transformation plan aligned with ArchiSurance's timing and scheduling requirements. During the second phase, ArchiSurance will procure the necessary hardware and software for the new data centers, while also seeking refunds for the hardware and software in the current data center once it is decommissioned.
The third phase involves setting up the new data centers and conducting parallel testing of the new hardware and software alongside the existing production environment. The transition between the old and new data centers occurs in the fourth phase, followed by the fifth phase, which is the decommissioning of the old data center. This involves returning the hardware and software to obtain the contracted refunds. Each phase, from the second to the fifth, is initiated once specific conditions outlined in the previous phase have been met.
Refer to the Scenario
The IT department's leader has assigned you the task of creating a model to explain the rationale behind Archisurance's decision to transform its data center infrastructure. The model should show the concerns and motivations of the stakeholders involved. Additionally, it should outline the specific goals to be achieved through the data center transformation program, the associated deliverables, and the limitations that must be considered throughout the program's implementation.
Which of the following answers provides the best explanation?

- A. A diagram of data center AI-generated content may be incorrect.
- B. A diagram of a data center AI-generated content may be incorrect.
- C. A diagram of a data center AI-generated content may be incorrect.
- D. A diagram of data center AI-generated content may be incorrect.

正解：A

解説：
We need to identify the most accurate and complete model that explains:
* Stakeholder Concerns & Motivations- Including senior management, board members, customers, and stockholders.
* Objectives & Goals- Reducingbusiness risks, minimizingdowntime, andreassuring stakeholders.
* Deliverables- Thetransition to two new data centersanddata center transformation program.
* Constraints & Requirements-Planned downtime limits, critical application uptime requirements, and scheduling constraints.
Why C is the Best Choice:

#Includes all stakeholder concerns- Clearly representsbusiness continuity risksandthe rationale for transitioning to two new data centers.#Clearly defines the objectives- Reducingdowntime and risk of business interruption.#Shows key constraints-
* Critical applications cannot be offline for more than one hour.
* Downtime must be in four-hour weekend windows.
* The migration must avoid closing periods.#Links deliverables to objectives- Thedata center transformation programandnew data centersare clearly positioned as solutions.#Represents dependencies correctly- Showing how eachmotivation leads to a goal, which leads to a deliverable.
Why Not A, B, or D?
* A:Does not establish a strong link between theconcerns and the solutionclearly enough.
* B:The structure does not align well with the scenario requirements, andsome constraints and dependencies are missing.
* D:Overcomplicates some relationships anddoes not emphasize stakeholder concerns effectively.

質問 # 12
Please read this scenario prior to answering the question
The ArchiSurance senior management, board members, customers, and major stockholders have expressed long-standing concerns regarding the business continuity risks associated with relying on a single data center.
Located in an area prone
to flooding, earthquakes, and occasional water leaks from the cafeteria above, the current data center has significant vulnerabilities. To address these concerns and mitigate the risks, ArchiSurance has developed a comprehensive plan to relocate its existing data center to two separate ready-to-use data centers in different cities. As a major undertaking, the approval of the Board of Directors is required to proceed with the project.
The primary objectives of the data center move are to reduce the risk of business interruptions, reduce both planned and unplanned downtime for critical applications, and provide reassurance to ArchiSurance stakeholders. Ensuring minimal disruption during the transition is crucial. However, several constraints make the planned migration to the new data centers particularly challenging. Certain critical ArchiSurance applications cannot be offline for more than one hour, and any planned downtime must be restricted to specific four-hour windows on weekends. Additionally, the migration cannot take place during quarterly or year-end closing periods to avoid disrupting critical processing operations.
ArchiSurance management has devised a multi-phase data center transformation program to facilitate a smooth transition. Each phase is critical for establishing stable and fully functional data center configurations throughout the transformation process. The initial phase entails detailed scheduling and planning to develop a comprehensive transformation plan aligned with ArchiSurance's timing and scheduling requirements. During the second phase, ArchiSurance will procure the necessary hardware and software for the new data centers, while also seeking refunds for the hardware and software in the current data center once it is decommissioned. The third phase involves setting up the new data centers and conducting parallel testing of the new hardware and software alongside the existing production environment. The transition between the old and new data centers occurs in the fourth phase, followed by the fifth phase, which is the decommissioning of the old data center. This involves returning the hardware and software to obtain the contracted refunds. Each phase, from the second to the fifth, is initiated once specific conditions outlined in the previous phase have been met.
Refer to the Scenario
The program manager overseeing the data center transformation has asked you to model an outline of the implementation plan which has three stable states defined. You should show the deliverables associated with each plateau in connection with the physical elements. Additionally, you need to show how each phase contributes to achieving a stable state for the data center transformation.
Which of the following answers provides the best description?

- A. A diagram of a software system Description automatically generated
- B. A diagram of a software process Description automatically generated
- C. A diagram of a data center Description automatically generated
- D. A diagram of a data processing process Description automatically generated

正解：D

解説：
This question focuses on modeling the implementation plan for the data center transformation atArchiSurance. The goal is to represent how the different phases of the project contribute to achieving the three stable states, orplateaus, while illustrating the deliverables connected to these plateaus and the physical elements involved.
Key ArchiMate® 3.2 Concepts Applied:
* Plateaus:Plateaus representintermediate stable stateswithin an architecture transformation, showing the condition of the architecture

at specific moments in time. In this scenario, the plateaus correspond to the stable data center configurations at different phases:
* Plateau 1:Only the old data center is in use.
* Plateau 2:Both the old and new data centers are in use simultaneously.
* Plateau 3:Only the new data center is in use, and the old data center is fully decommissioned.
* Physical Elements:These refer to thedata centers,hardware,software, andnetworksthat make up the infrastructure being migrated. These should be clearly depicted in connection with each phase of the transformation program.
* Deliverables and Phases:Each phase of the transformation process includes specific deliverables, such as:
* Procurement of new hardware and software.
* Setting up and testing the new data centers.
* Transitioning between the old and new data centers.
* Dismantling the old data centerand returning its hardware for refunds.
* Work Packages and Dependencies:Work packages represent activities or tasks in ArchiMate® and are connected to the plateaus. These must be modeled with proper sequencing, showing how each phase contributes to reaching the next stable state.
Why Option A is Correct:
* Option Aaccurately represents the three plateaus (stable states) and clearly illustrates the deliverables (e.g., the new data center, tested hardware and software, and dismantled old data center) in relation to each phase of the transformation.
* The connections between the physical elements (such as the centralized data center, distributed data center, and backup data center) are properly displayed and aligned with the described multi-phase process.
* The phases are laid out logically, showing how each phase (e.g., procurement, testing, transition) leads to the next stable state (plateau), following the principles of aplateauandwork packagetransformation in ArchiMate®.
* Theflow of deliverablesfrom one plateau to the next is consistent with the need for dependencies (e.g., the new data center cannot be fully active until the hardware and software have been tested in parallel).
Why Other Options Are Incorrect:
* Option BandOption Ddo not show the relationships between the phases and the stable states as clearly asOption A. They lack some critical connections or do not accurately represent the progression between plateaus and the physical infrastructure.
* Option Cis closer but misses important sequencing in how the work packages (activities) and plateaus interact, leading to an incomplete representation of the transformation.
Conclusion:
Option A provides the most complete and accurate description based on ArchiMate® 3.2 modeling principles.
It correctly demonstrates how each phase of the data center transformation contributes to achieving the stable states (plateaus) and ensures that the physical elements, work packages, and deliverables are properly aligned.

質問 # 13
Please read this scenario prior to answering the question
ArchiCar is a specialized company that focuses on manufacturing luxury electric cars and powertrain components, along with producing battery-charging equipment. With its own distribution network and showrooms, ArchiCar adopts a direct-to- customer sales model through online channels.
The manufacturing of ArchiCar's electric cars is carried out on fully automated assembly lines. Leveraging a cutting-edge manufacturing process, the company boasts an impressive ability to sell and deliver a vehicle within just one month from the time of order placement. Anticipating significant growth, the CEO has set ambitious plans to increase annual production from 100,000 to 500,000 vehicles within a three-year timeframe.
To ensure the highest quality standards, ArchiCar relies on locally manufactured finished steel from the renowned ArchiMetal plant. ArchiMetal specializes in lightweight steels that allow ArchiCar to achieve a reduced vehicle weight without compromising strength and crash performance. The finished steel is efficiently transported by rail to ArchiCar's production plant, where it is stored in a dedicated warehouse until required for the automated car assembly process. Conveyor belts facilitate the seamless transfer of the finished steel from the warehouse to the assembly plant.
At the ArchiCar assembly plant, an optimized and streamlined assembly process is implemented, resulting in the production of 12 vehicles per hour. Once assembled, the cars are transported to a nearby distribution center using specialized trucks.
These vehicles are then stored at the distribution center until they are ready for delivery to their eagerly awaiting new owners.
Refer to the Scenario
You are a consultant to the CIO. She has asked you to illustrate the end-to-end technology processes at ArchiCar from raw materials to assembled cars ready for delivery.
Which of the following answers provides the best description?

- A.
- B.
- C.
- D. A diagram of a vehicle assembly Description automatically generated

正解：B

解説：
In this scenario, the task is to model theend-to-end technology processesatArchiCar, showing how raw materials (finished steel) are processed through the company's manufacturing, transportation, and distribution system, ultimately resulting in fully assembled cars ready for delivery.
Key ArchiMate® 3.2 Concepts Applied:
* Business Processes:
* Steel Making:ArchiMetal manufactures finished steel, a key raw material for ArchiCar's production.
* Transportation:The finished steel is transported byrailfrom theArchiMetal steel plantto ArchiCar's warehouse.
* Storage:Thefinished steelis stored in theArchiCar Warehouseuntil it is required for the assembly process.
* Car Assembly:Theconveyor beltmoves the steel from the warehouse to theassembly plant, where cars are assembled on automated lines.
* Transportation (Specialized Trucks):Once assembled, the cars are transported to adistribution centerusingspecialized trucks.
* Storage (Distribution Center):The finished cars are stored in the distribution center, awaiting delivery to customers.
* Application and Technology Components:
* Conveyor Belt:The transfer of finished steel between the warehouse and assemblyplant is automated via the conveyor belt.
* Rail Transport and Specialized Trucks:Rail transport handles the movement of steel, and specialized trucks are used for car transportation to the distribution center.
* End-to-End Flow:
* The model needs to clearly depict the fullprocess flowfrom the production of steel, through its transportation and storage, to the automated assembly of luxury cars and their eventual transportation to the distribution center.
* The relationships between processes (e.g.,steel making,transportation,car assembly, and storage) must be clear and follow the logical flow of operations.
Why Option D is Correct:
* Option Dprovides a clear and accurate representation of theend-to-end processas described in the scenario.
* It begins with thesteel-making processat theArchiMetal steel plantand follows through with the transportation of thefinished steelto thewarehousebyrail transport.
* The process of moving steel via theconveyor beltfrom the warehouse to theassembly plantfor car manufacturing is clearly depicted.
* Once cars are assembled, they are transported to thedistribution centerusingspecialized trucksand are then stored until delivery, completing theend-to-end flow.
* The relationships between processes and supporting components (e.g., conveyor belt, transportation methods) are clearly illustrated, following ArchiMate® standards.
Why Other Options Are Incorrect:
* Option Ais incorrect because it misses some key elements of the process. It does not fully clarify the role of thewarehouseor how the finished steel is transported between locations.
* Option Bmisrepresents the process flow, particularly the storage and assembly process. The connection between steel production and car assembly is not as clearly illustrated.
* Option Calso lacks clarity in how the finished steel is moved from the warehouse to the assembly plant, and it does not accurately capture the flow of transportation and storage after car assembly.
Conclusion:
Option Dis the best answer because it provides the most complete and clear description of theend-to-end technology processesat ArchiCar, from raw materials (finished steel) to assembled luxury cars ready for delivery. It aligns well with the scenario and adheres to ArchiMate® 3.2 modeling standards, showing all necessary relationships between business processes and supporting components.

質問 # 14
Please read this scenario prior to answering the question
ArchiCar has been a market leader in the premium priced luxury car sector for the last decade. Its product leadership strategy has brought superior products to market, and enabled ArchiCar to achieve premium prices for its cars. This strategy has been widely successful in the past, but recently competitors have been offering comparable products and taking significant market share. The governing board of ArchiCar has identified opportunities in emerging markets where the ArchiCar brand is associated with luxury and high performance products, but is thought to be too expensive for mass-market success.
Based on this assessment, the board has made the decision to setup a subsidiary company to mass-produce affordable cars locally. This will be achieved by focusing on a strategy of operational excellence. Such a strategy is ideal for such markets where customers value cost over other factors.
To facilitate this strategic transformation, the project has been divided into multiple phases within a five-year program. The initial phase, known as "Achieving Operational Excellence," is underway. The engineering team has begun devising an action plan to drive the necessary changes and outlining the technological conditions that must be met. The product architect has identified three current

capabilities - industry-leading engineering, high-quality materials sourcing, and cutting-edge focussed R&D - along with their contributions to the new production philosophy.
Moving forward, it has been determined that two out of the three current capabilities require revision.
Materials sourcing needs to be adjusted to meet optimization demands, and R&D targets must align with future goals to enable affordable production.
Additionally, process engineering is introduced as a fourth capability to shift the company's focus from products to a process-oriented approach.
The Enterprise Architecture team has been tasked with migration planning, and identifying keywork packages and deliverables. They have identified two transition states between the current and future scenario. The first transition aims to adjust current capabilities, including revising the R&D approach and procurement strategy. The second transition aims to shift from a product-centric mindset to a process-focused approach and adjust materials sourcing accordingly.
It is important to consider existing
supplier contracts that cannot be immediately canceled during this process.
The Enterprise Architecture team has identified that the second transition must implement a process framework, in order to shift to a process focus and meet a number of requirements, including the requirement for end-to-end process thinking. As this requirement impacts procurement processes, it also impacts the procurement strategy.
Refer to the Scenario
You have been tasked with modeling the current capabilities of ArchiCar, identifying the capabilities necessary for the company to achieve Operational Excellence, and showing the motivations behind these changes Which of the following models best answers this?

- A. A diagram of a process AI-generated content may be incorrect.
- B. A diagram of a process AI-generated content may be incorrect.
- C. A diagram of a process AI-generated content may be incorrect.
- D. A diagram of a process AI-generated content may be incorrect.

正解：D

解説：
We need to find the model that best represents:
* Current Capabilities- Industry-leading engineering, high-quality materials sourcing, and cutting-edge focused R&D.
* Strategic Shift- Moving fromproduct leadershiptooperational excellenceto enter emerging markets.
* Required Changes-
* AdjustingR&D targetsto support cost-effective production.
* Revisingmaterials sourcingfor optimization.
* Introducingprocess engineeringto enable a process-oriented mindset.
* Motivations Behind the Changes-
* Competitor pressure.
* Emerging market opportunities.
* High costs limiting mass-market success.
Why D is the Best Choice:
#Includes all current and future capabilities- Shows the existing strengths ofengineering, R&D, and materials sourcingwhile introducingprocess engineeringas required for operational excellence.#Clearly depicts the shift in strategy- Fromproduct leadershiptooperational excellenceand the necessary transformations.#Captures stakeholder concerns and motivations- Includingcompetition, cost concerns, and emerging market opportunities.#Represents dependencies and sequencing correctly- Reflecting how each capability changecontributes to the transition states and ultimate business goals.
Why Not A, B, or C?
* A:Does not properly represent the transition betweenproduct leadershipandoperational excellence.
* B:Fails to clearly define the requiredcapability changesand motivations.
* C:Lacks key relationships betweenstrategy shifts and operational changes.

質問 # 15
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