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Question 1

Question Type: MultipleChoice

Scenario

Please read this scenario prior to answering the question

ArchiSurance senior management, board members, customers and major stockholders have long been concerned about disaster resiliency in light of the company's heavy reliance on a single data center. The data center is located in an area that is prone to flooding and earthquakes, according to expert assessments done by consultants retained for this purpose. In addition, the data center is located under a busy cafeteria, and water occasionally leaks through its ceiling.

To address these problems, ArchiSurance has developed a plan to move from its current data center to a pair of ready-to-use data centers in separate cities. The data center move is designed to reduce the risk of business interruption, reduce both planned and unplanned downtime for critical applications, and reassure ArchiSurance stakeholders. However, a number of limitations make the planned transition to the new data centers particularly challenging. A number of critical ArchiSurance applications cannot be offline for more than an hour, and any downtime for these application must only occur in certain four-hour windows each weekend. Also, the move cannot occur during quarterly or year-end closing periods in order to avoid interrupting critical processing. Fulfillment of these specific type of requirements will reduce the risk of business interruption from the data center move activities themselves.

ArchiSurance management has therefore planned a multi-phase data center transformation program. All of the activities in each phase are necessary to ensure a progression of stable and fully functional data center configurations. The first phase consists of detailed scheduling and planning to produce a comprehensive transformation plan that meets ArchiSurance timing and scheduling requirements. During the second phase, ArchiSurance is to contract for the hardware and software required for the new datacenters, as well for refunds for the hardware and software to be returned from the current data center once it is shut down. During the third phase, the new

data centers are to be set up, and the new hardware and software are to be tested in parallel with what is already in production. The actual transition between the old and new data centers occurs in the fourth phase, and the fifth phase involves shutting down and dismantling the old data center, and returning its hardware and software for contracted refunds. Phases two through five are each to be initiated when specific conditions are met in the previous phase.

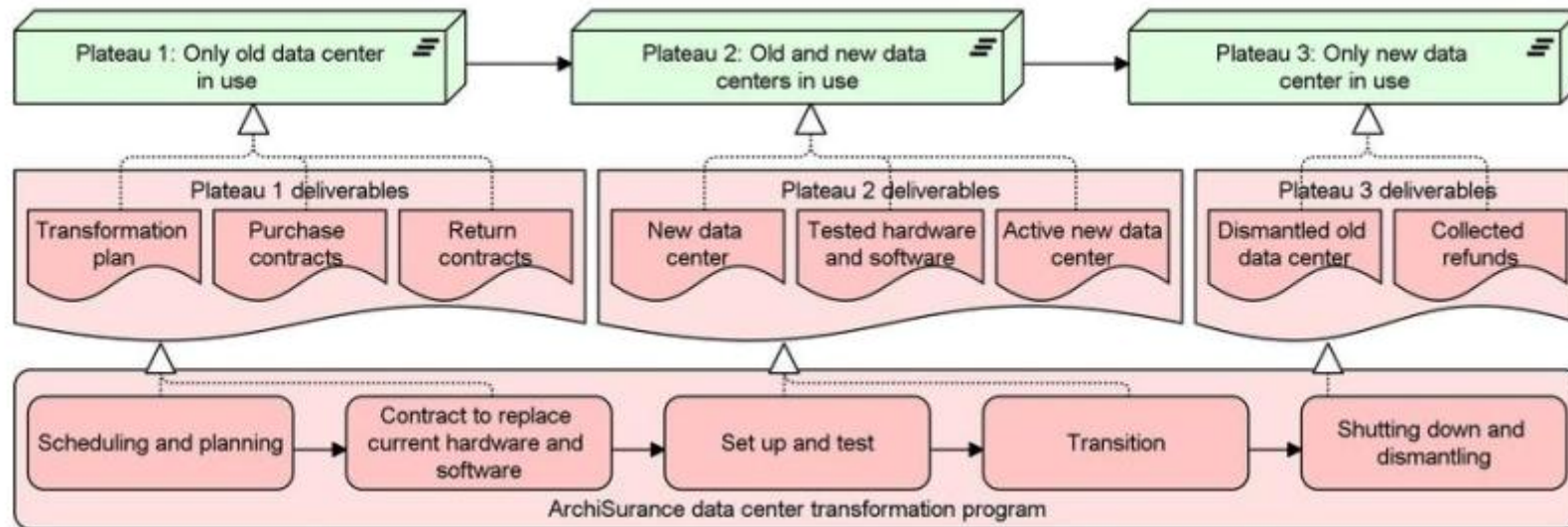
Refer to the Scenario

The newly hired program manager for data center transformation has asked you to describe the program implementation plan. You must express each of the plan phases as a separate work package with specific deliverables. You must also show the relationships between phases along with how each phase contributes to a particular stable data center state.

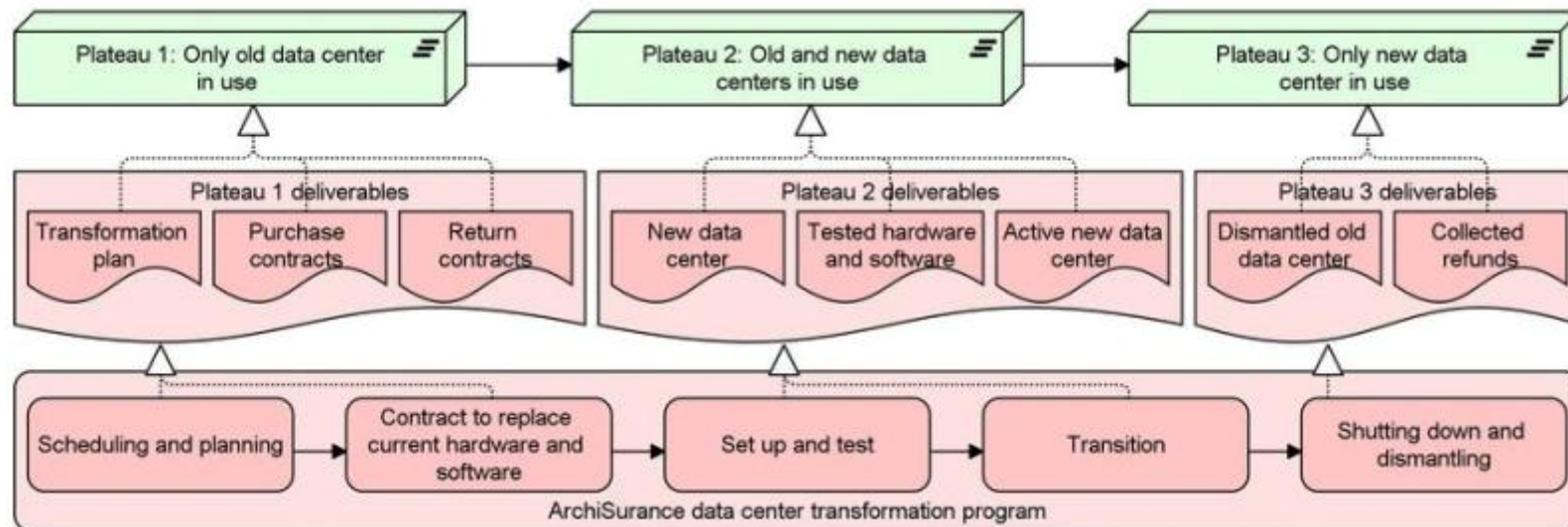
Which answer provides the best description?

Options:

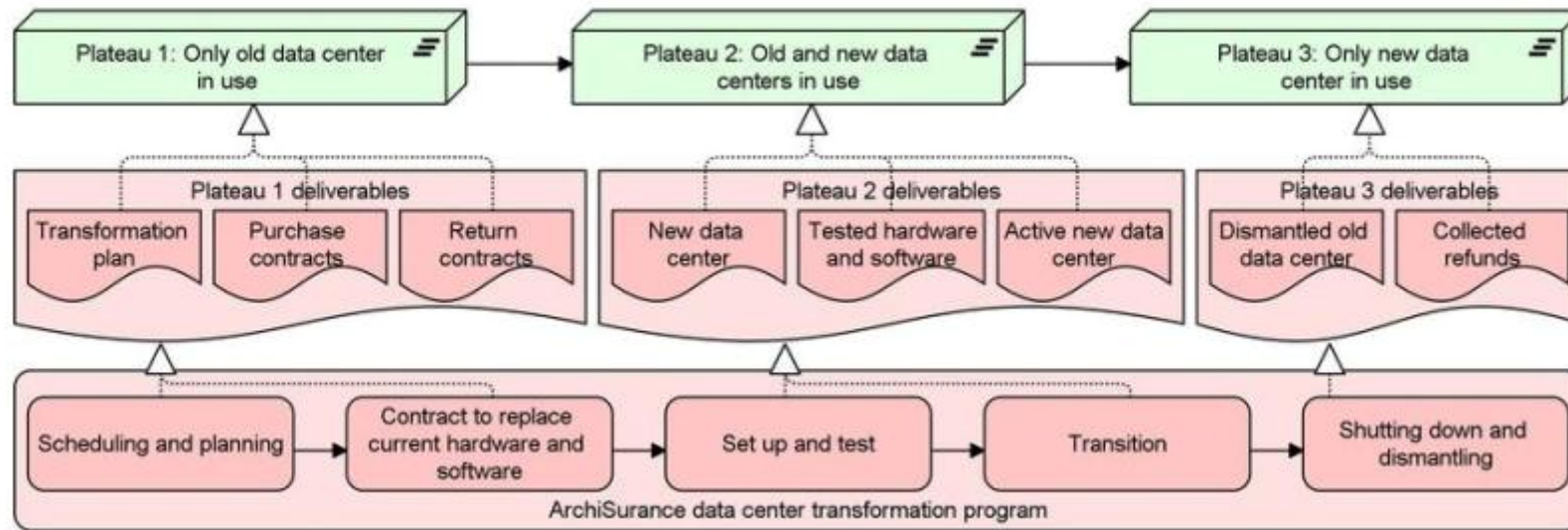
A- Option A



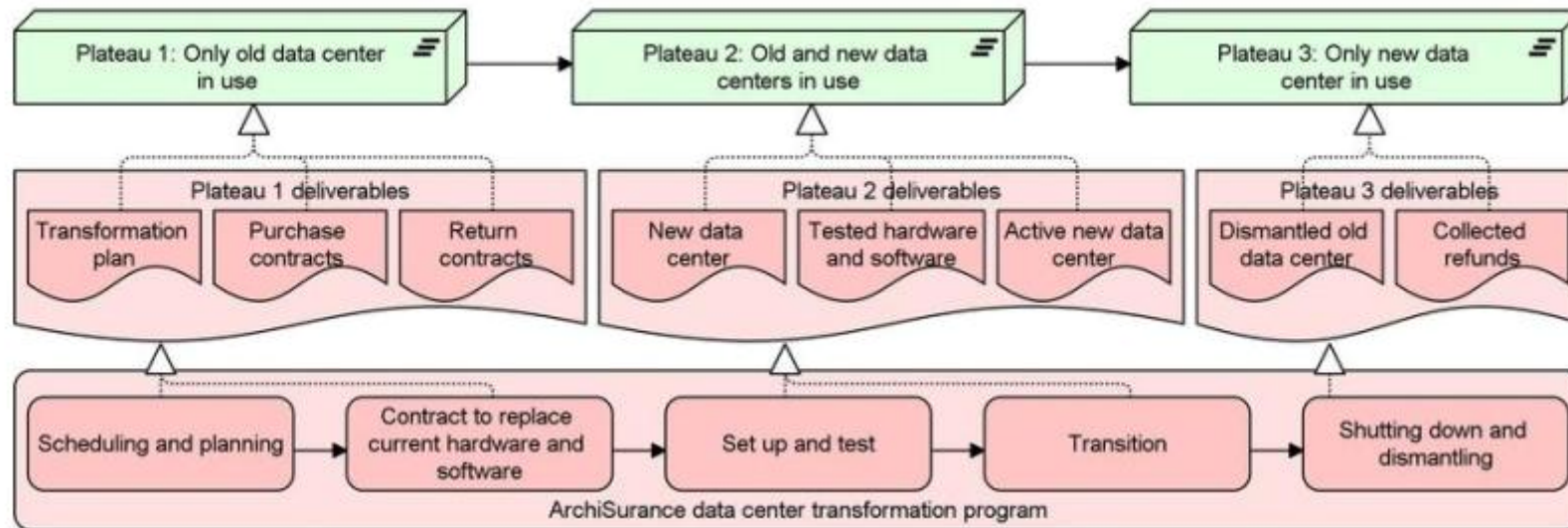
B- Option B



C- Option C



D- Option D



Answer:

D

Question 2

Question Type: MultipleChoice

Scenario

Please read this scenario prior to answering the question

The ArchiSurance To Go mobile consumer solution is increasingly important to ArchiSurance, which uses it to sell and renew insurance products, provide customer service, enable accurate and convenient home recordkeeping, and capture and process claims. The solution consists of three components. The Consultant lets customers review their existing coverage, and update it based on common life events, such as getting a new car, moving into a new home, or having a family member move in or out. If necessary, they can speak or chat with a customer service representative. The Home Manager helps customers photograph and catalogue their valuable possessions in order to support the filing of accurate claims in case of loss or damage. The Claim Manager enables customers to quickly file a claim for loss or damage to an insured auto, home or possession. It enables customers to describe the incident by referencing information captured with the Consultant and the Home Manager applications. In addition, it allows the customer to add photographs, audio, video and text to support a claim, submit the claim, and monitor its progress.

The ArchiSurance To Go components rely on a number of application services hosted by ArchiSurance. The first is an Auto Identification and Description (AID) service that the Consultant uses to validate and complete auto information entered by customers. The second service, Home Identification and Description (HID) performs the same function for home information, and is used by the Home Manager. The Consultant also uses the Virtual Agent service to guide customers as they select coverage options, the Payment Processor service to arrange premium payments, and the Coverage Activator service to generate policies and put them in force.

ArchiSurance to Go also relies on a number of infrastructure services. The Home Manager uses a Multimedia Repository service to store and retrieve information about insured homes. The Claim Manager also uses this service for claim information entered by customers. All three components of ArchiSurance To Go use a Personal Security service to register and authenticate customers, and to manage their profiles.

Each application service is realized by an application component with the same name. Also, each infrastructure service is realized by a system software environment with the same name. ArchiSurance hosts both the application components and system software environments in a virtualized server pool within its data center. Each service has its own virtual server. Each server is connected to a data center network (DCN) which in turn connects to a commercial wide area network (WAN).

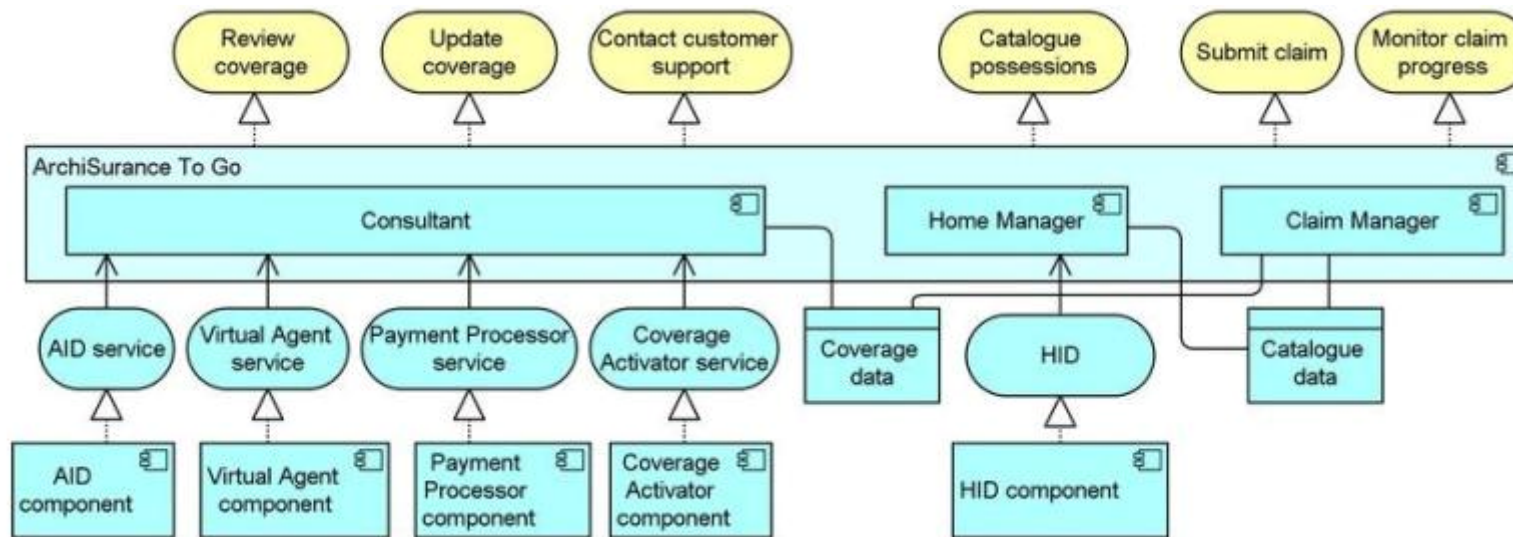
Refer to the Scenario

The marketing department would like a better understanding of the business services that ArchiSurance To Go delivers, and the application services and components that are used to deliver those business services. The marketing department would also like to understand the data accessed directly by the interactive application components.

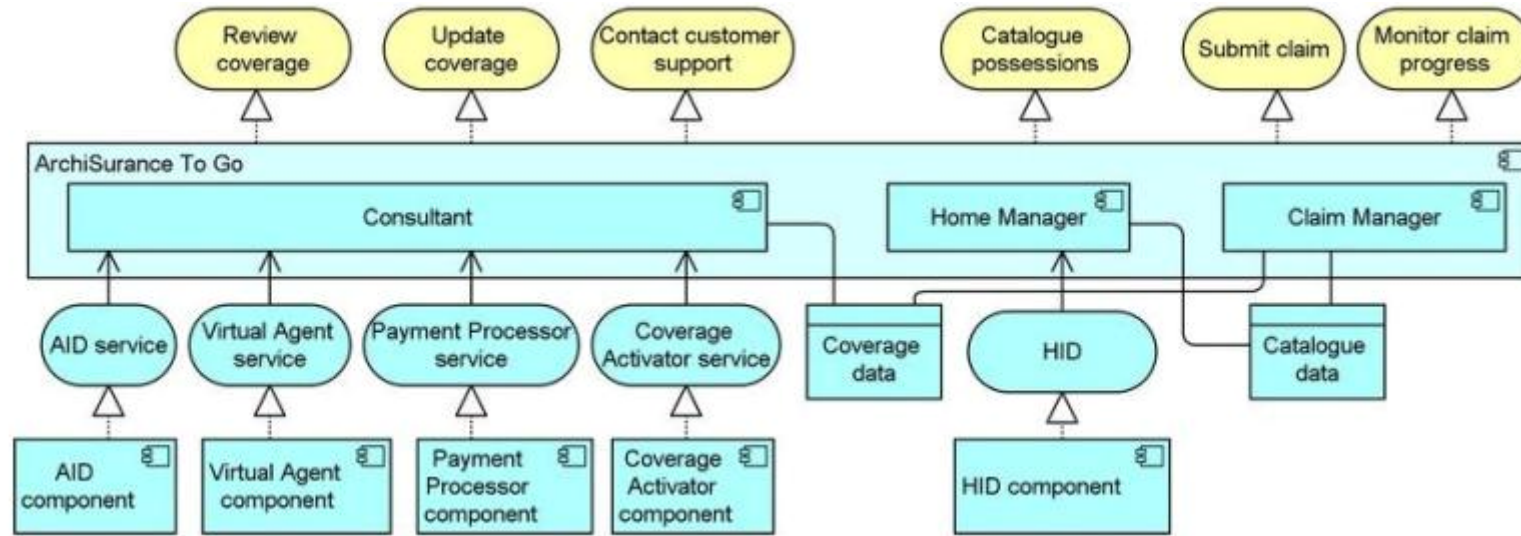
Which answer provides the best explanation?

Options:

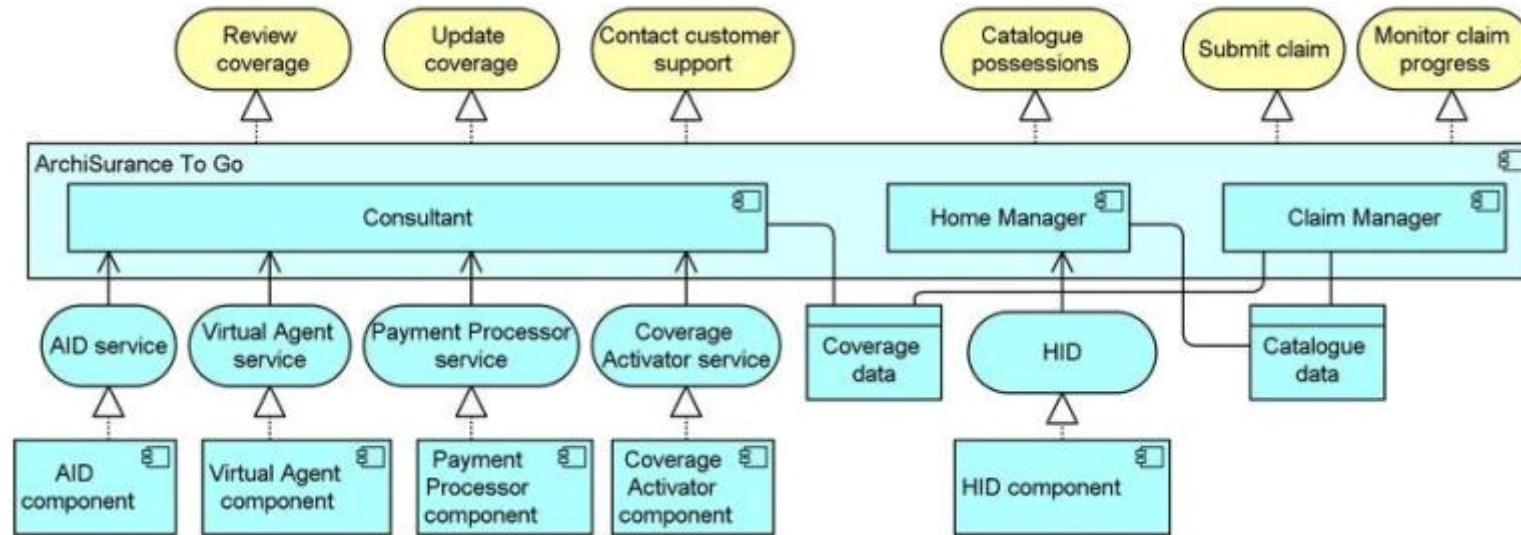
A- Option A



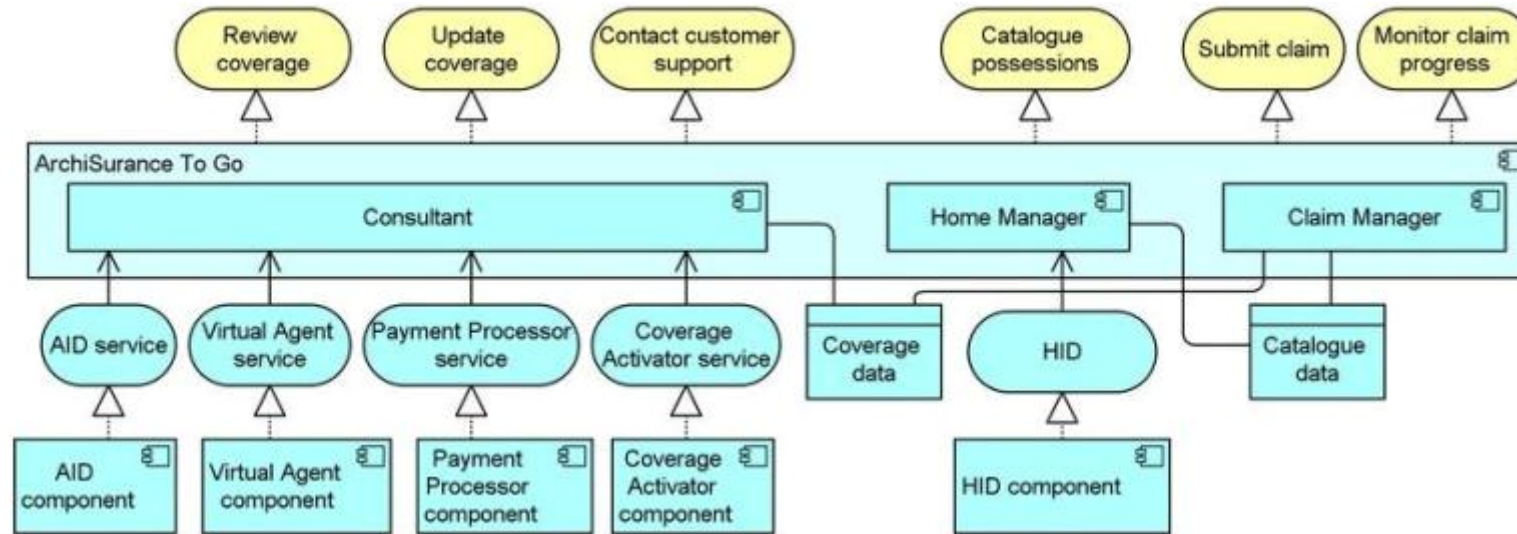
B- Option B



C- Option C



D- Option D



Answer:

B

Question 3

Question Type: MultipleChoice

Scenario

Please read this scenario prior to answering the Question

The daily mutual fund trading cycle consists of four key processes: Transaction capture, pricing, trading and reconciliation. Transaction capture consists of two sub-processes: manual exchange and loans and distributions (LSD). For transaction capture, retirement plan participants use an online account management application to enter manual fund exchange transactions. For LSD, plan participants use a separate application to enter requests. The L&D application determines whether the request can be fulfilled based on the mutual fund balances held in each plan balances and a set of business rules. Each day's captured manual exchange transactions accumulate in a transaction database.

ArchiSurance contracts with a third-party information service to receive a file of mutual fund prices at the close of each trading day.

The pricing application uses this file to convert captured transaction into trades, and then validates each trade against the mutual fund balances held in each plan. The pricing generates a trade file with the minimum number of trades necessary. The trading application sends this file to an external trading service. When the trading application receives a confirmation file back from the trading service, it passes it to the reconciliation application, which updates the plan recordkeeping database.

The account management and LSD applications are hosted on separate application server clusters. Each cluster is a physically separate host that runs application server software on a set of virtualized hosts. All of these applications use a database server infrastructure that is hosted on another separate cluster of virtualized servers also on a dedicated physical host. The pricing, consolidation, trading and reconciliation applications, however, are batch applications that run on the ArchiSurance mainframe computer. All application hosts are connected via a converged data center network (DCN), which also connects them to a storage area network (SAN) as well as a wide area network (WAN) that is used to communicate with the external trading service. The SAN includes two physically separate storage arrays, one of which holds data for all databases, and another that holds data for all files.

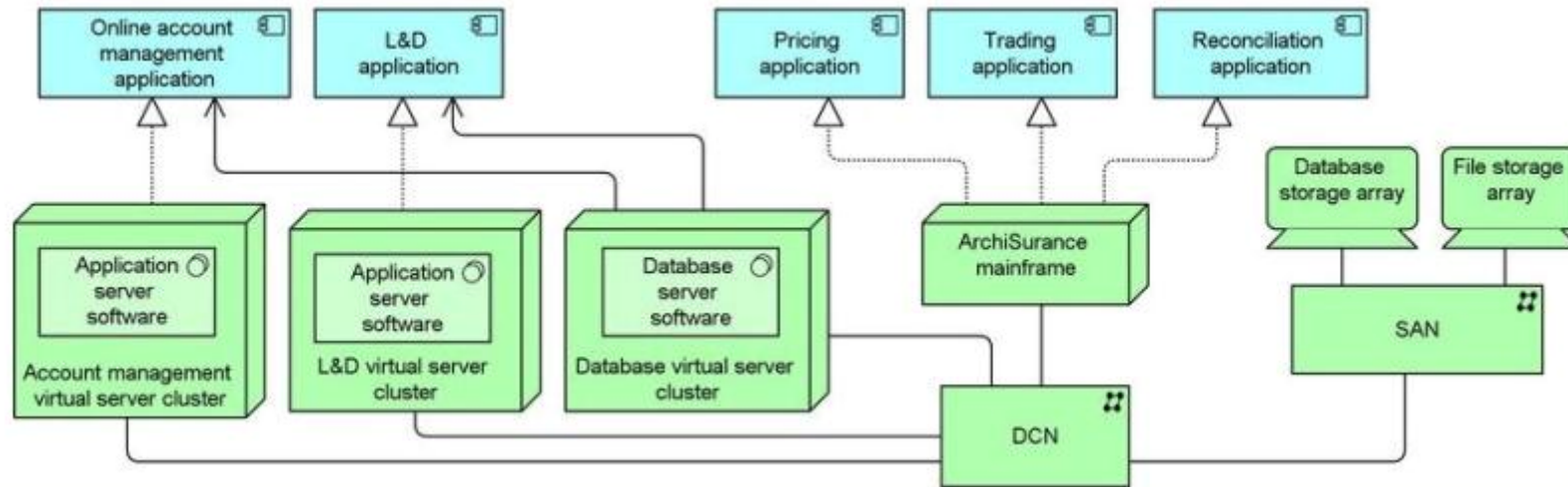
Refer to the Scenario

You have been asked by a team of IT auditors to show the applications used for daily trading and the infrastructure that underlies them, including all ArchiSurance servers, storage arrays and networks. It is not necessary to model the WAN or other external infrastructure.

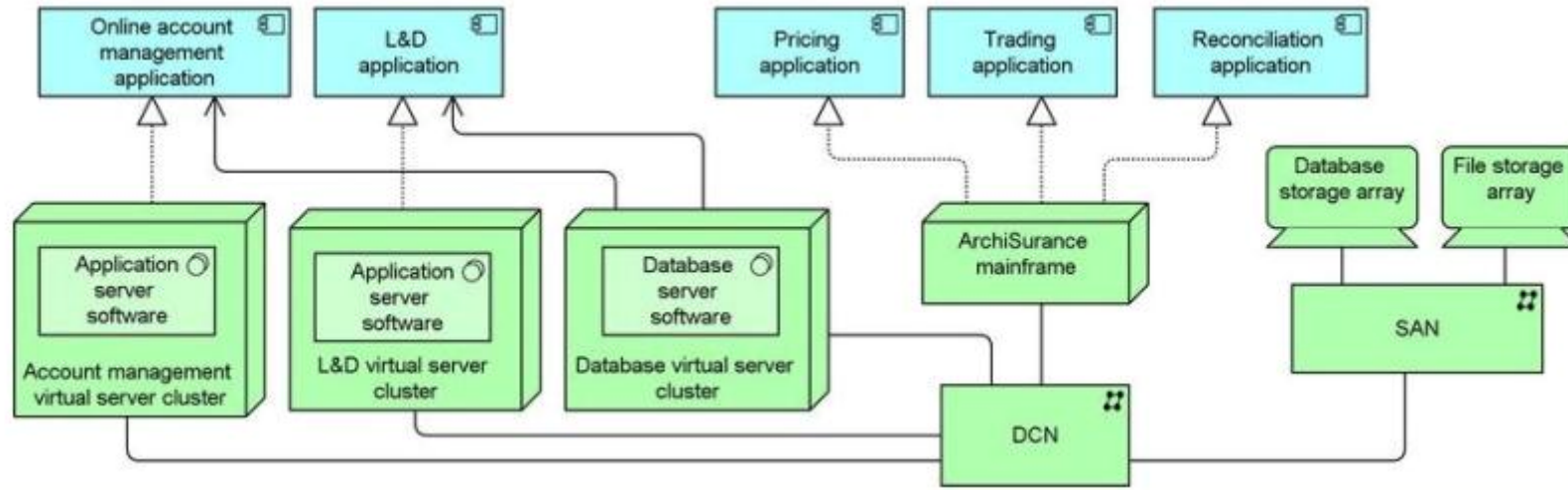
Which answer best describes the applications and infrastructure?

Options:

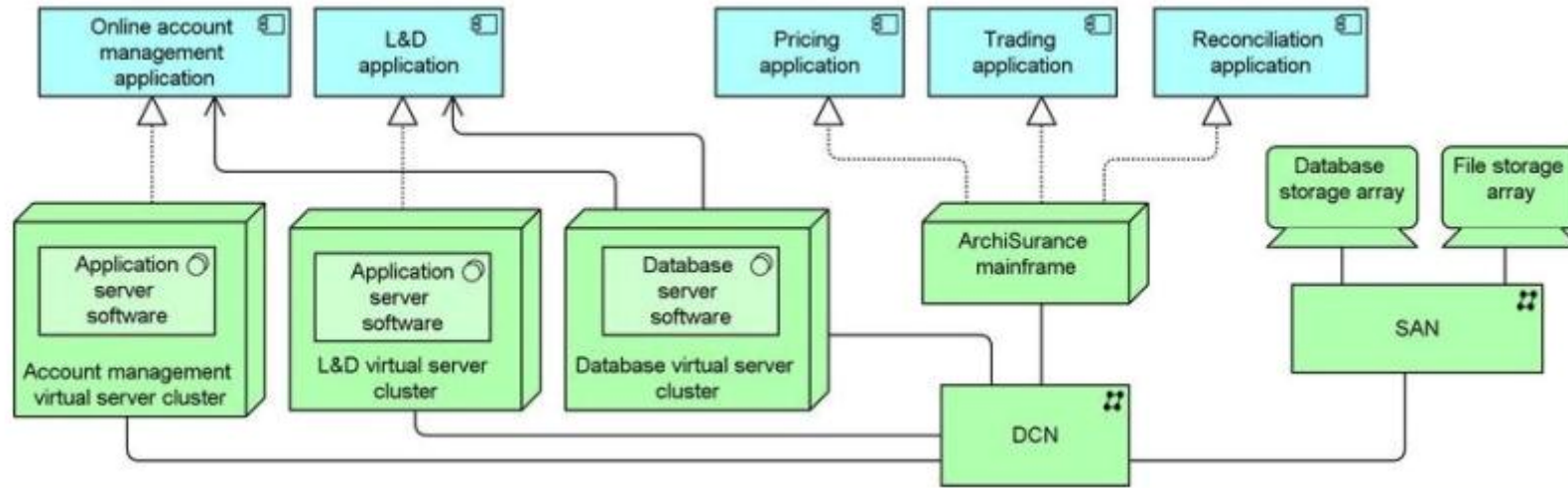
A- Option A



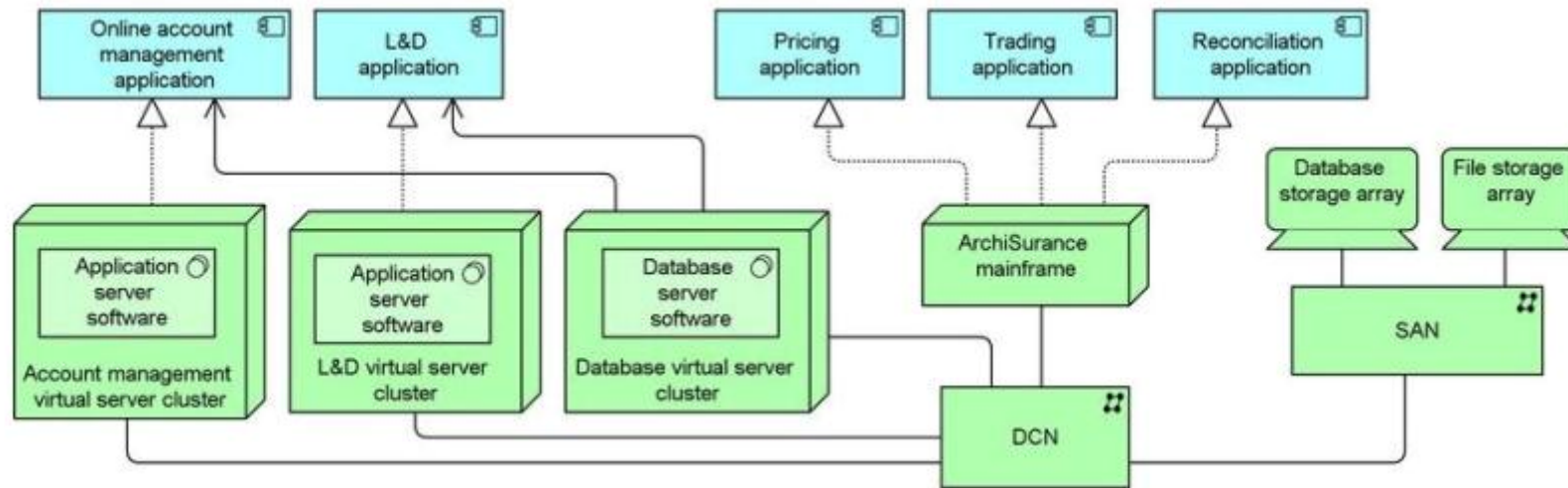
B- Option B



C- Option C



D- Option D



Answer:

A

Question 4

Question Type: MultipleChoice

Scenario

Please read this scenario prior to answering the question

The ArchiSurance IT Operations (IT Ops) department has five core responsibilities, and continuously executes a core business process for each responsibility. (1) The Batch Ops process makes sure that batch jobs execute completely, successfully, and on time, consistent with their service level agreements (SLAs). (2) The Online Ops process makes sure that all web applications and content delivery services are available and performing according to their SLAs. (3) The Security Ops process protects ArchiSurance IT operations from being damaged by malicious or careless incidents. (4) The User Support process assists users of ArchiSurance systems with problems or requests. (5) The Continuous Improvement process monitors and measures the performance of each of the other processes and works to solve problems and optimize use of ArchiSurance resources. In order to enable monitoring, each of the other processes generates monitoring data that is read by the Continuous Improvement process.

The processes in the System Ops category, which are Batch Ops, Online Ops and Security Qds, each have a separate sub-process for incident management. These sub-processes are triggered, respectively, by Batch, Online and Security Incidents. One of the first steps in each incident management sub-process, is to pass an Incident Alert to each of the other System Ops processes. This is accomplished by posting the alert to the Alert Buffer.

The Batch Ops process uses a schedule that lists all batch jobs and their dependencies. The schedule is used by two Batch Ops sub-processes. The Batch Planning sub-process updates this schedule for use by the Execution Management sub-process.

The Batch Ops process uses a number of applications that interact with each other. The Batch Scheduler application enables users to manage a database of jobs, job schedules and dependencies, and launches batch jobs according to the database. The Batch Monitor application uses the job schedules as a reference to monitor job execution, and reports all exceptional conditions to the both the Batch Scheduler and the Incident Handler applications via the Alert Buffer described earlier in the scenario. The Incident Handler refers to a set of business rules to determine the systems and individuals that must be notified of each incident. Based on these determinations, the Incident Handler produces appropriate notifications.

Due to their criticality, the Batch Scheduler, Batch Monitor and Incident Handler applications are hosted redundantly in multiple geographically distributed data centers. In each data center, the three applications are hosted on a fully redundant virtual server cluster. Each cluster is connected to two site local area networks, each of which connects to a separate physical storage array.

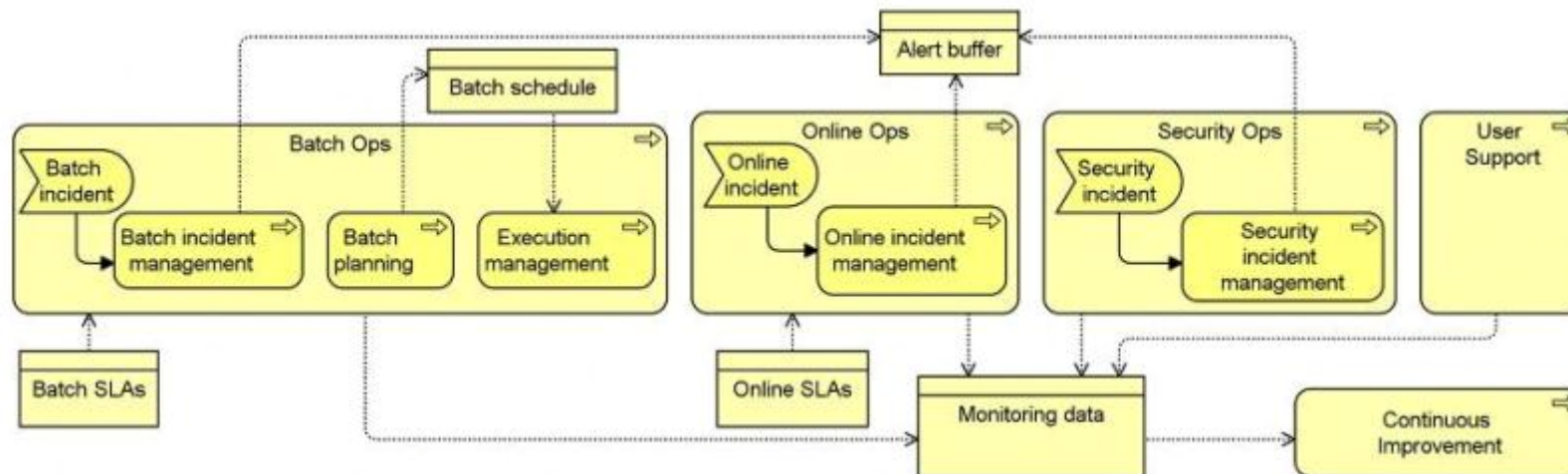
Refer to the scenario

As part of an IT service management initiative, you have been asked to model the operations management business processes and sub-processes, including their relationships, the events that trigger them and the information they exchange.

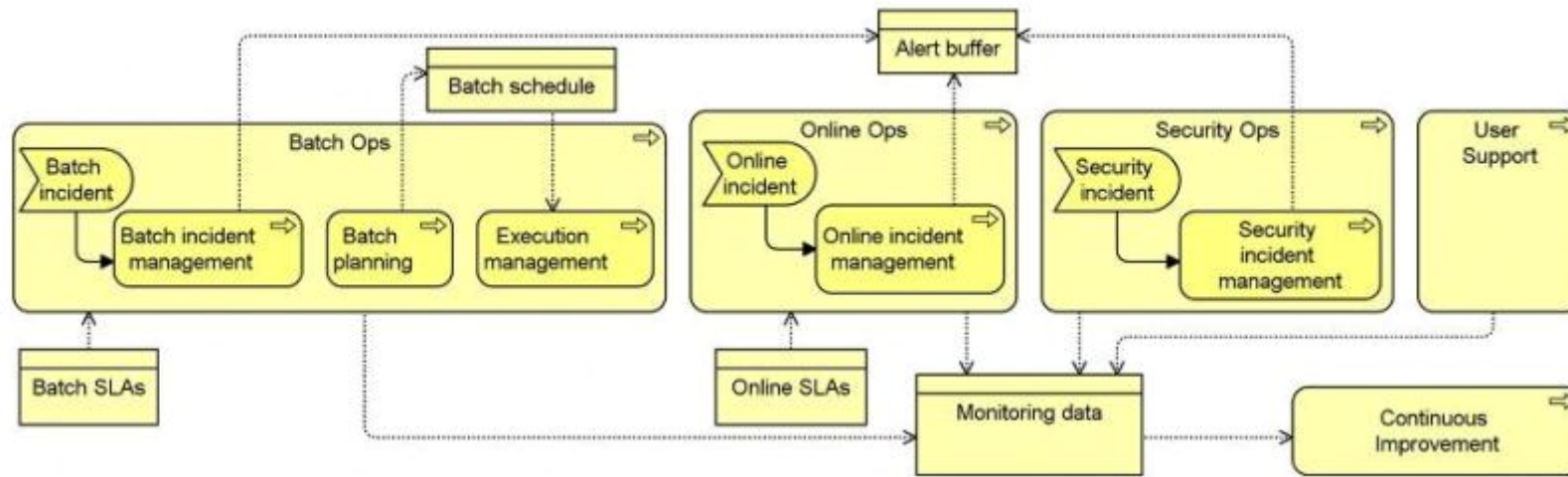
Which answer provides the most complete and accurate model?

Options:

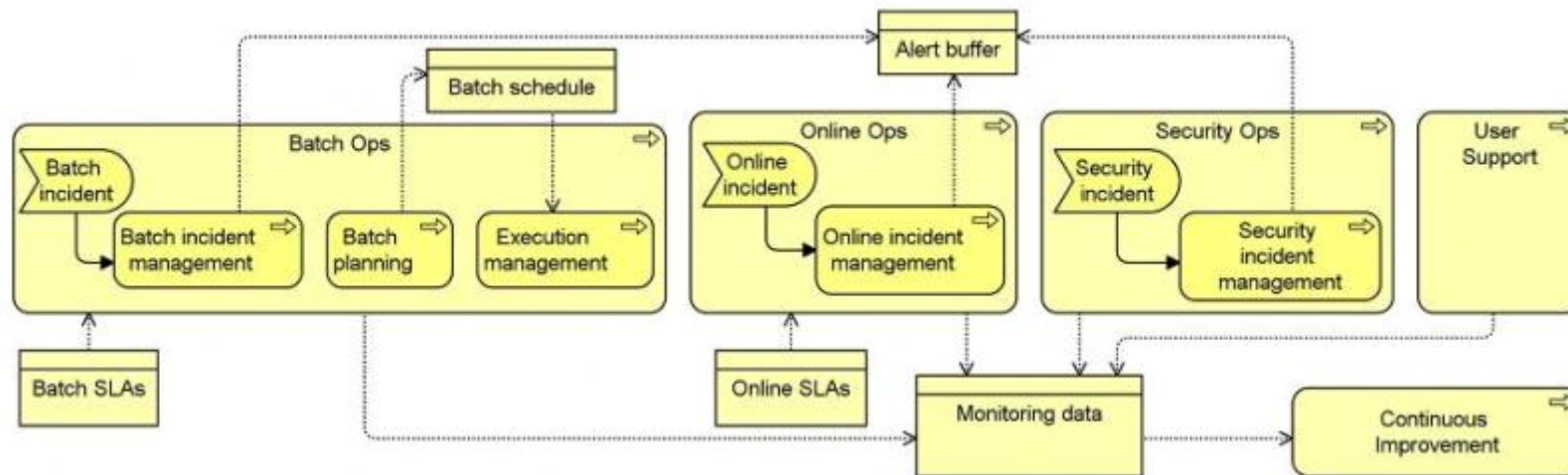
A- Option A



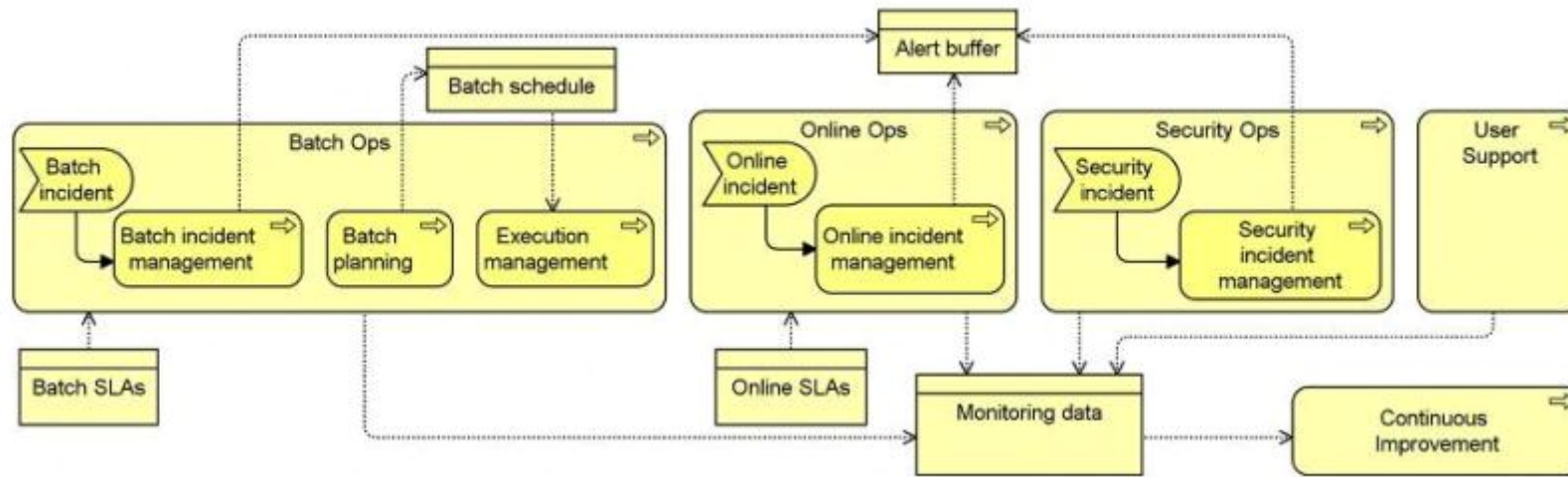
B- Option B



C- Option C



D- Option D



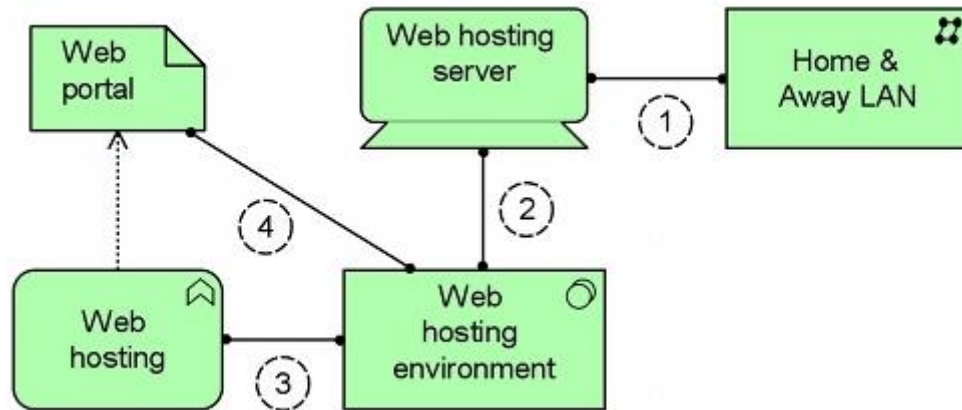
Answer:

B

Question 5

Question Type: MultipleChoice

Consider the following diagram:



Which of the numbered assignment relationships is not allowed according to the ArchiMate metamodel?

Options:

- A- Number 1
- B- Number 2
- C- Number 3
- D- Number 4

Answer:

A

Question 6

Question Type: MultipleChoice

Consider the following symbol that represents information about a major systems and process transformation project:



What concept does this symbol represent?

Options:

- A- A constraint
- B- A principle
- C- A goal
- D- A requirement

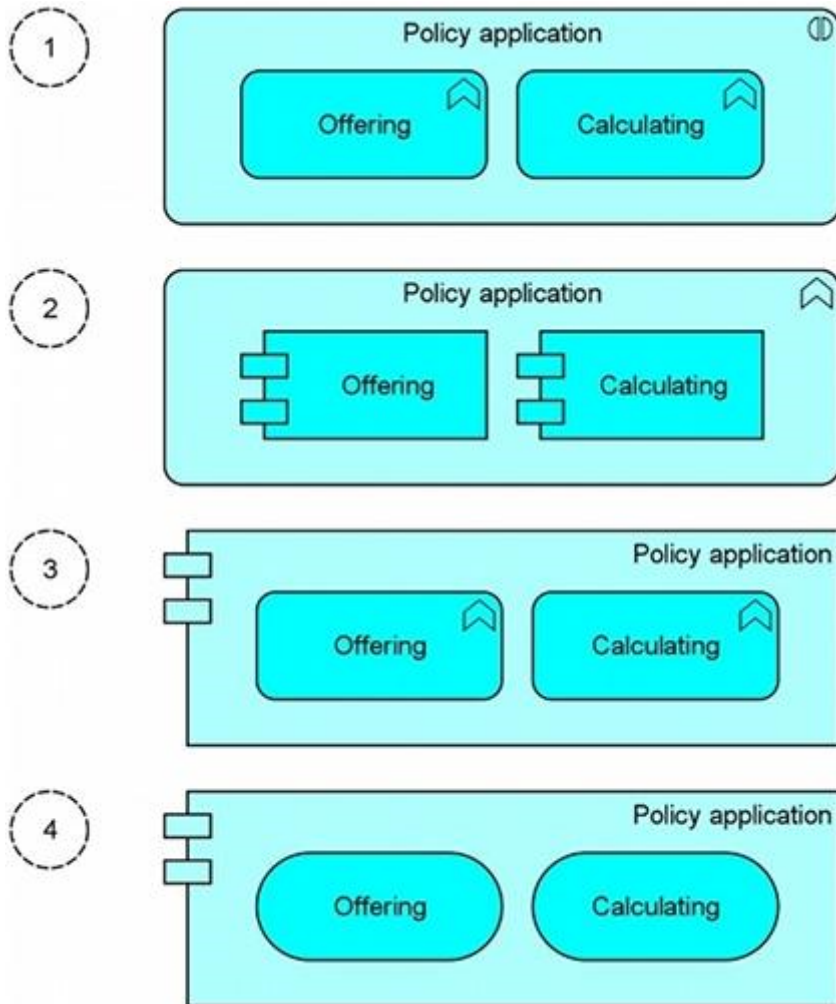
Answer:

B

Question 7

Question Type: MultipleChoice

Consider the following four diagrams:



Which diagram depicts a "Policy application" as an application component with the two application functions "Offering" and "Calculating"?

Options:

A- Diagram 1

B- Diagram 2

C- Diagram 3

D- Diagram 4

Answer:

C

Question 8

Question Type: MultipleChoice

Within the Implementation & Migration Extension, which concept is the only one that models behavior?

Options:

A- Deliverable

B- Plateau

C- Gap

D- Work Package

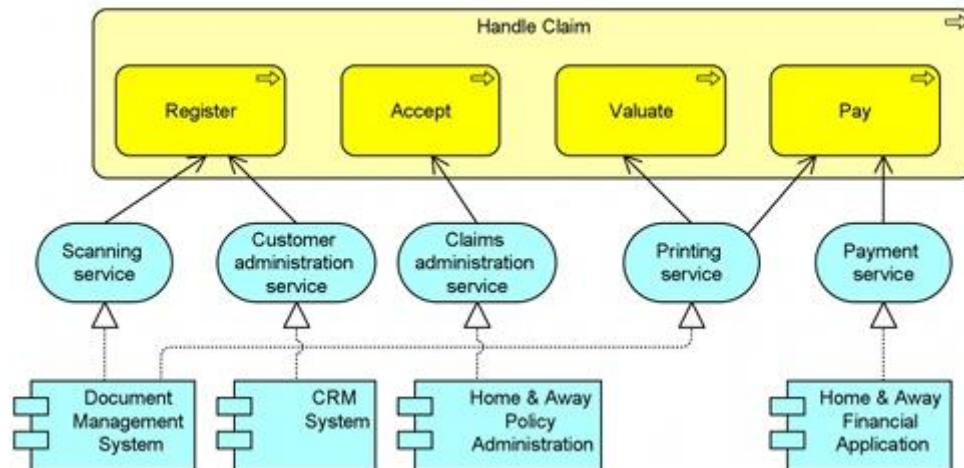
Answer:

D

Question 9

Question Type: MultipleChoice

Consider the following diagram:



In which phase of the TOGAF Architecture Development Method (ADM) would such a view be most applicable?

Options:

- A- Preliminary Phase
- B- Phase B: Business Architecture
- C- Phase C: Information Systems Architectures
- D- Phase D: Technology Architecture

Answer:

C

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