

# The-Open-Group

## Exam Questions OGA-031

ArchiMate 3 Part 1 Exam



**NEW QUESTION 1**

In the Application Layer metamodel, what relationship type is defined from an application service to a data object?

- A. Aggregation
- B. Composition
- C. Realization
- D. Access

**Answer: D**

**NEW QUESTION 2**

In the Application Layer metamodel, what is the relationship type from an application service to a data object?

- A. Realization
- B. Composition
- C. Access
- D. Aggregation

**Answer: C**

**NEW QUESTION 3**

Complete the sentence. The ArchiMate standard provides a set of entities and relationships for

- A. modeling detailed workflow
- B. providing fine-grained descriptions of business motivation
- C. representing Architecture Description
- D. supporting a fixed set of diagram types

**Answer: C**

**NEW QUESTION 4**

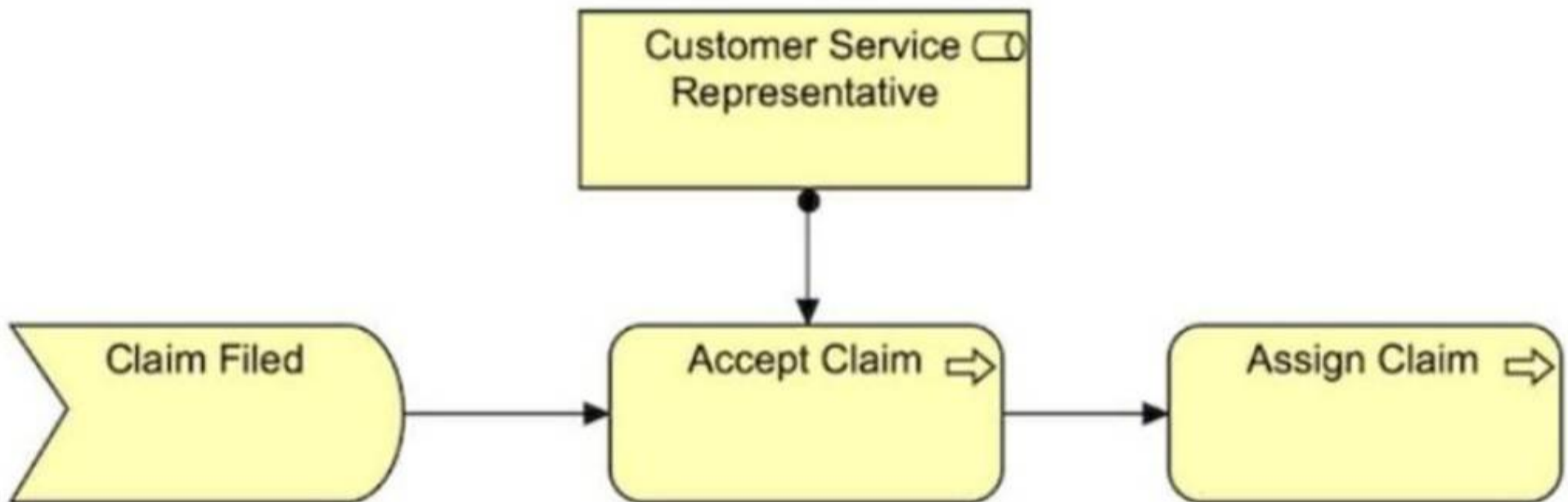
Complete the sentence. In the Business Layer metamodel, a Business Event accesses a \_\_\_\_\_

- A. Business Internal Active Structure Element
- B. Business Composite Element
- C. Business Passive Structure Element
- D. Business Internal Behavior Element

**Answer: C**

**NEW QUESTION 5**

Consider the diagram which shows part of the ArchiSurance Claims Administration:



A diagram showing:

- ? "Claim Filed" (Business Event) "Accept Claim" (Business Process) "Assign Claim" (Business Process)
- ? A Customer Service Representative is assigned to Accept Claim.)

Which of the following describes this diagram?

- A. The Claim Filed event assigns the Customer Service Representative to participate in the Accept Claim and Assign Claim processing.
- B. The event Claim Filed triggers the Accept Claim process which is serviced by the Customer Service Representative role before the Assign Claim process.
- C. The information that flows from Claim Filed to Accept Claim and then to Assign Claim is reviewed by the Customer Service Representative role.
- D. Business event Claim Filed triggers a business process Accept Claim which in turn triggers an Assign Claim process.

**Answer: D**

**NEW QUESTION 6**

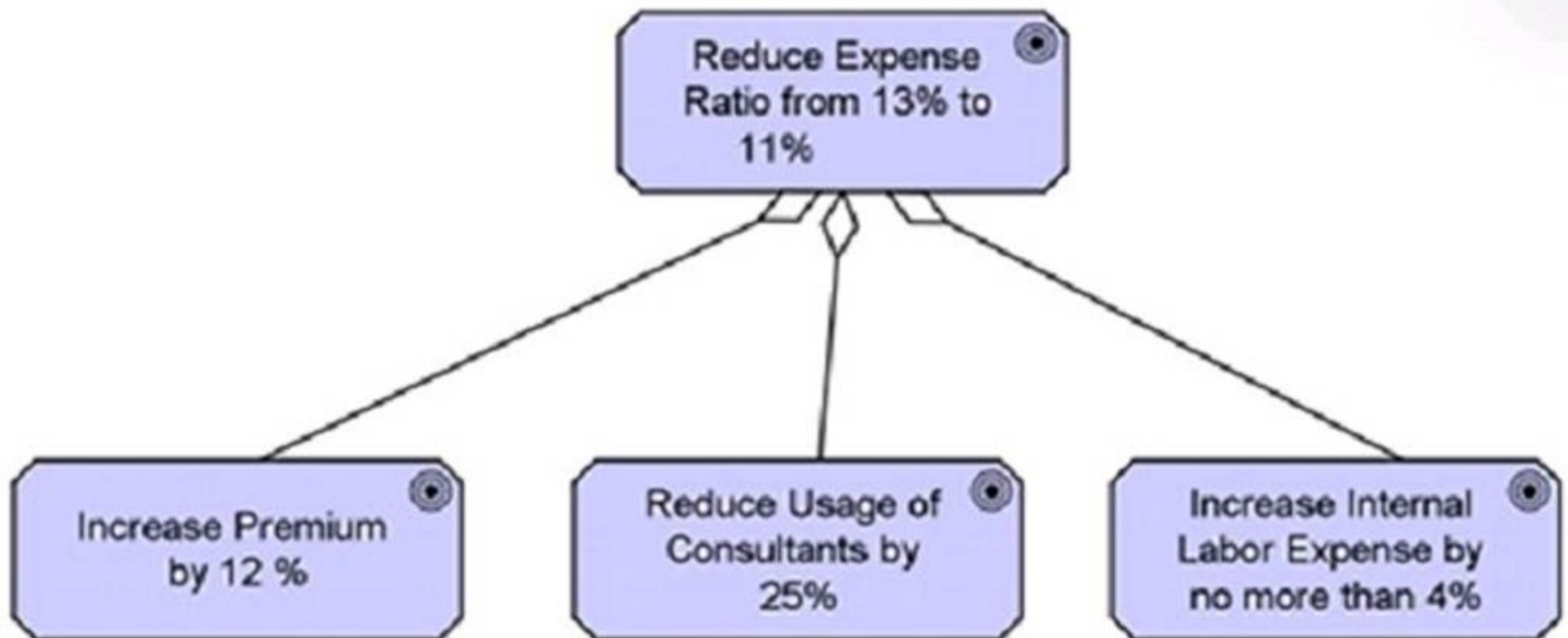
Complete the sentence. In the Physical Elements metamodel, a distribution network realizes a \_\_\_\_\_.

- A. Node
- B. Path
- C. Technology service
- D. Technology interaction

**Answer: B**

**NEW QUESTION 7**

What is the best description of the diagram?



- A. The goal 'Reduce Expense Ratio from 13% to 11%' must be achieved before any of the other three goals is achieved-
- B. The goal 'Reduce Expense Ratio from 13% to 11%' will be achieved if at least one of the other three goals is achieved
- C. The goal 'Reduce Expense Ratio from 13% to 11%' is similar to the three other goals.
- D. The goal 'Reduce Expense Ratio from 13% to 11%' is decomposed into three other goals.

**Answer: D**

**NEW QUESTION 8**

Consider the following diagram:



What element is used to represent the Chief Marketing Officer in this diagram?

- A. Role
- B. Actor
- C. Business Actor
- D. Stakeholder

**Answer: C**

**NEW QUESTION 9**

What Implementation and Migration element can be used to model sub-projects or tasks within a project, complete projects, programs, or project portfolios?

- A. Project component
- B. Work package
- C. Plateau
- D. Implementation event

**Answer: B**

**NEW QUESTION 10**

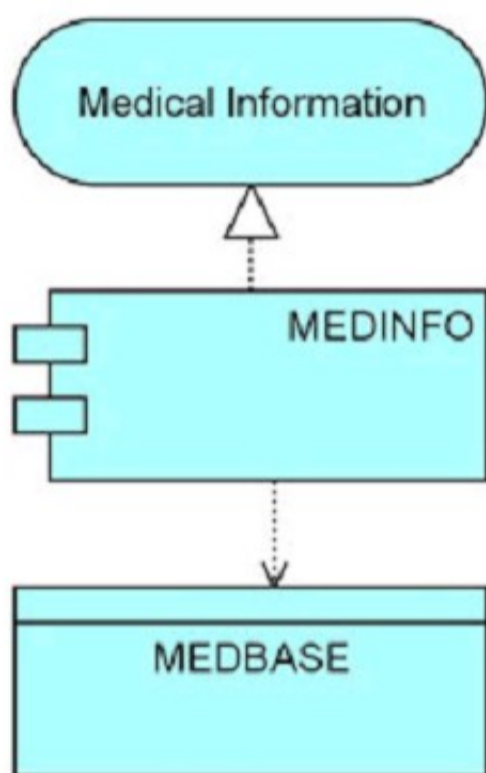
What physical element is used to model buildings that have an important role in production processes?

- A. Facility
- B. Manufacturing Plant
- C. Distribution node
- D. Equipment

**Answer: A**

**NEW QUESTION 10**

Consider the following diagram showing a system used for settling injury claims:



Which answer correctly describes this diagram?

- A. The MEDINFO application realizes the Medical Information service, and accesses a data object called MEDBASE-
- B. The MEDINFO application serves the Medical Information department, and accesses a data object called MEDBASE\_
- C. The Medical Information application uses a back-end module called MEDINFO to access a data object called MEDBASE.
- D. The MEDBASE application uses MEDINFO middleware to present the Medical Information user interface.

**Answer: A**

**NEW QUESTION 15**

Complete the sentence. The passive counterpart of the application component in the application layer is called a(n) \_\_\_\_\_.

- A. Application event
- B. Meaning
- C. Product
- D. Data object

**Answer: D**

**NEW QUESTION 19**

Complete the sentence. The different layers of Enterprise Architectures that can be modeled with the ArchiMate language include Business, Application, and

- A. Data
- B. Strategy
- C. Information
- D. Technology

**Answer: D**

**NEW QUESTION 20**

What aspect in the ArchiMate Core Framework represents elements such as business roles, and system software?

- A. Behavior
- B. Motivation
- C. Active structure
- D. Passive structure

**Answer: C**

**NEW QUESTION 23**

What application layer element would you use to define a point of access where an application service is made available to a user?

- A. Application function
- B. Application service
- C. Application interaction
- D. Application interface

**Answer: D**

**NEW QUESTION 28**

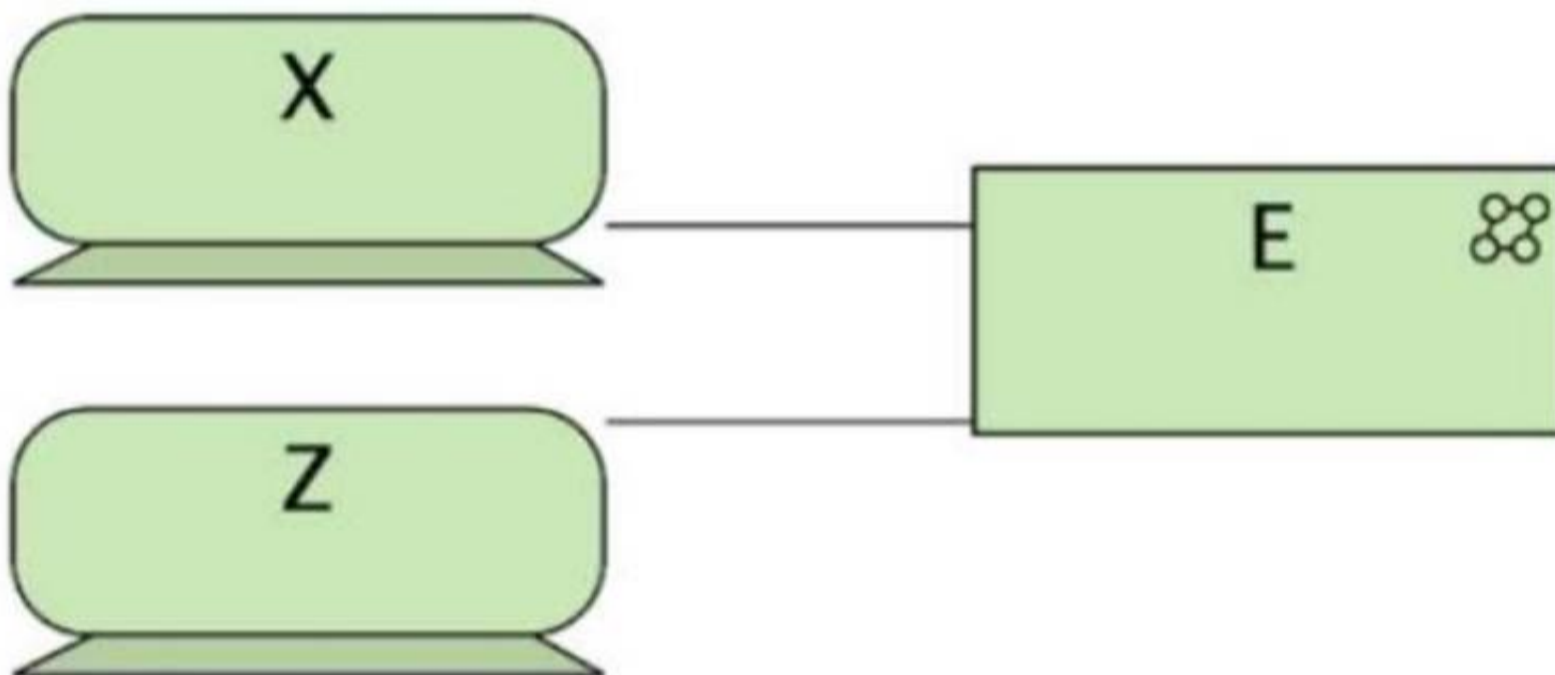
Complete the sentence. In the physical elements metamodel, a facility is a specialization of a \_\_\_\_\_

- A. Technology service
- B. path
- C. Technology interaction
- D. Node

**Answer: D**

**NEW QUESTION 31**

Consider the diagram, where X and Z are servers located in the ArchiSurance data center:



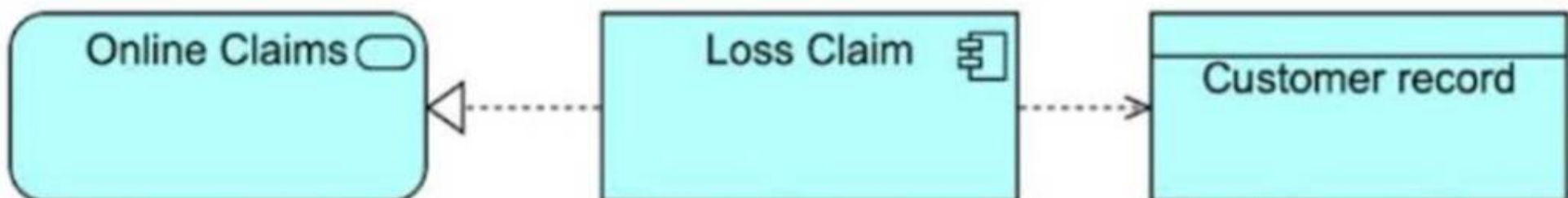
(A diagram showing X and Z (servers) connected to E (a shared technology element).) What correctly describes the diagram?

- A. The servers, represented by devices, are connected by a communication network.
- B. The servers are shown in the technology interaction E, where they collectively process data.
- C. The servers share a common network area storage device E.
- D. Technology collaboration E represents a point of access for services offered by the servers.

**Answer: C**

**NEW QUESTION 32**

Consider the diagram showing a system used for settling car insurance claims:



(A diagram showing Online Claims connected to Loss Claim, which in turn accesses Customer Record.) Which answer correctly describes this diagram?

- A. The Loss Claim application serves the Online Claims department and accesses a data object called Customer Record.
- B. The Online Claims application uses a back-end module called Loss Claim to access a data object called Customer Record.
- C. The Loss Claim application realizes the Online Claims service and accesses a Customer Record data object.
- D. The Customer Record application uses Loss Claim middleware to present the Online Claims user interface.

**Answer: B**

**NEW QUESTION 36**

What are the types of elements defined in the top-level language structure of the ArchiMate concepts?

- A. Application, Business, Strategy, Technology
- B. Active, Behavior, Passive
- C. Behavior, Composite, Motivation, Structure
- D. Abstract, Core, Composite

**Answer: C**

**NEW QUESTION 40**

What physical element is used to represent tangible matter or energy?

- A. Material
- B. Equipment
- C. Supplies
- D. Distribution node

**Answer: A**

**NEW QUESTION 43**

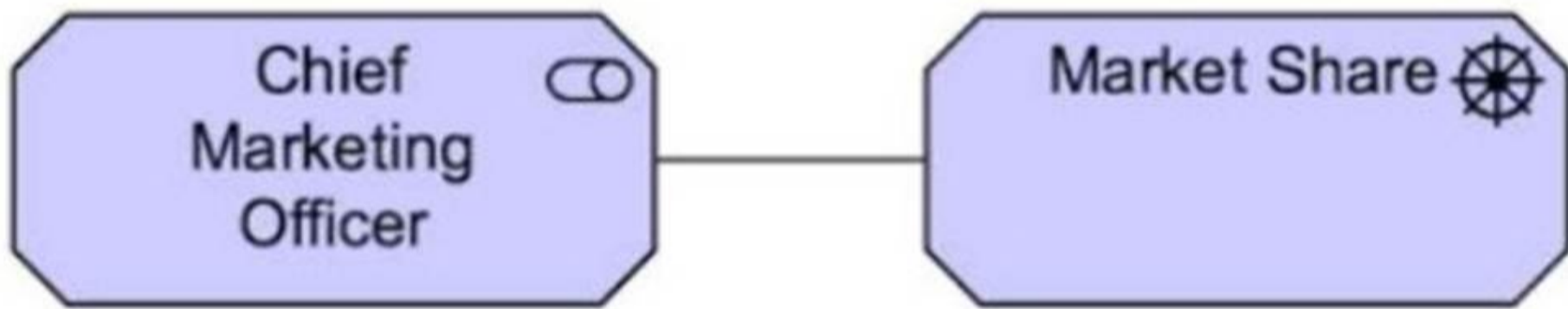
What is the purpose of a Relationship Connector in the ArchiMate language?

- A. Defining composite elements
- B. Modeling architecture viewpoints
- C. Connecting two or more relationships of the same type
- D. Connecting different layers in the ArchiMate Core Framework

**Answer: C**

**NEW QUESTION 44**

Consider the diagram:



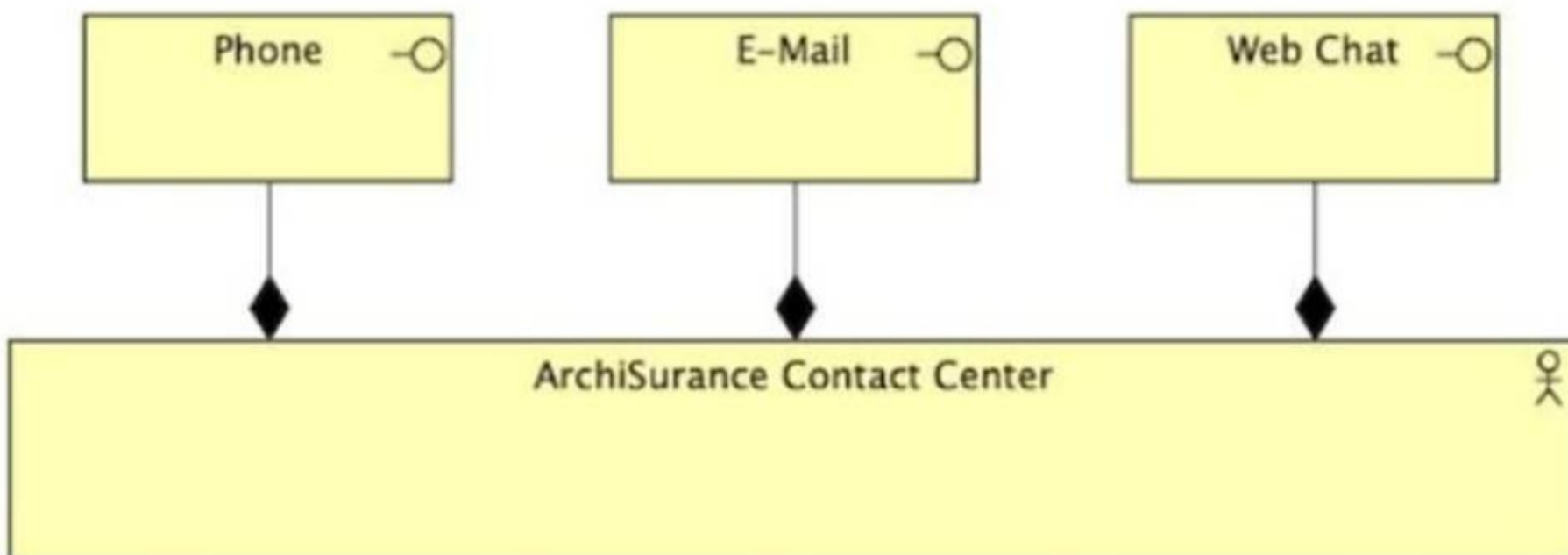
(A diagram showing Chief Marketing Officer connected to Market Share.) What element represents the Chief Marketing Officer?

- A. Business Actor
- B. Role
- C. Stakeholder
- D. Actor

**Answer: C**

**NEW QUESTION 48**

Consider the diagram:



(A diagram showing Phone, E-Mail, and Web Chat connected to ArchiSurance Contact Center through black diamonds.)

Which of the following describes the ArchiSurance Contact Center?

- A. The Contact Center has a business interaction with its customers using phone, e-mail, and web chat.

- B. The Contact Center uses phone, e-mail, and web chat for internal communication.
- C. The Contact Center has three business interfaces to serve customers: phone, e-mail, and web chat.
- D. The staff within the Contact Center collaborate using phone, e-mail, and web chat.

**Answer: C**

**NEW QUESTION 50**

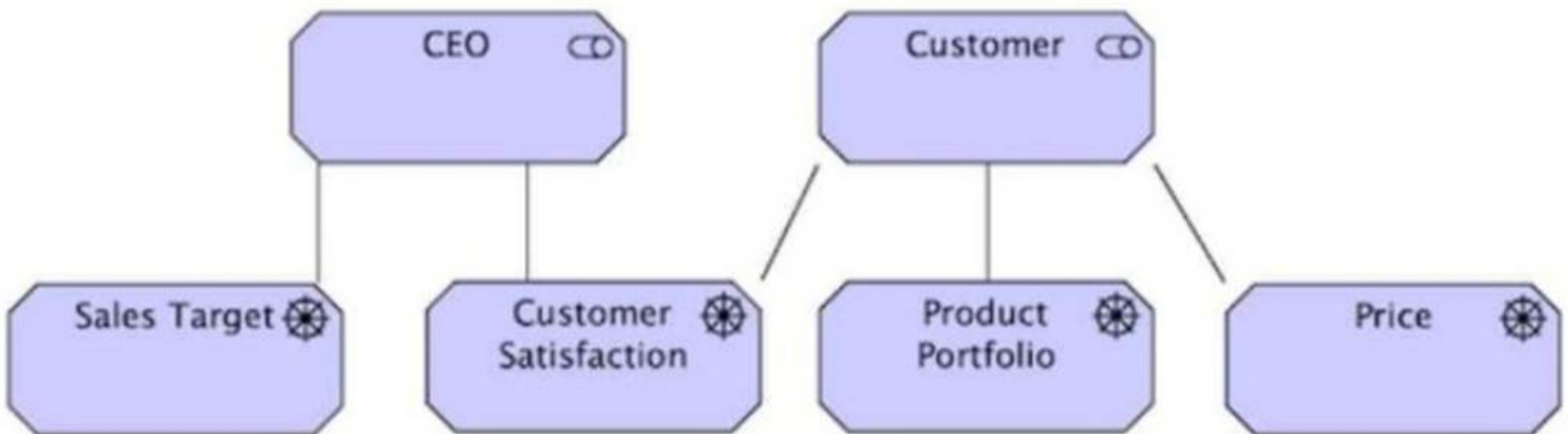
Which of the following is a composite element?

- A. Grouping
- B. Course of Action
- C. Aggregation
- D. Contract

**Answer: A**

**NEW QUESTION 51**

Consider the diagram:



(A diagram showing a CEO connected to Sales Target and Customer Satisfaction, while a Customer is connected to Product Portfolio and Price. Customer Satisfaction appears to be a shared concern.)

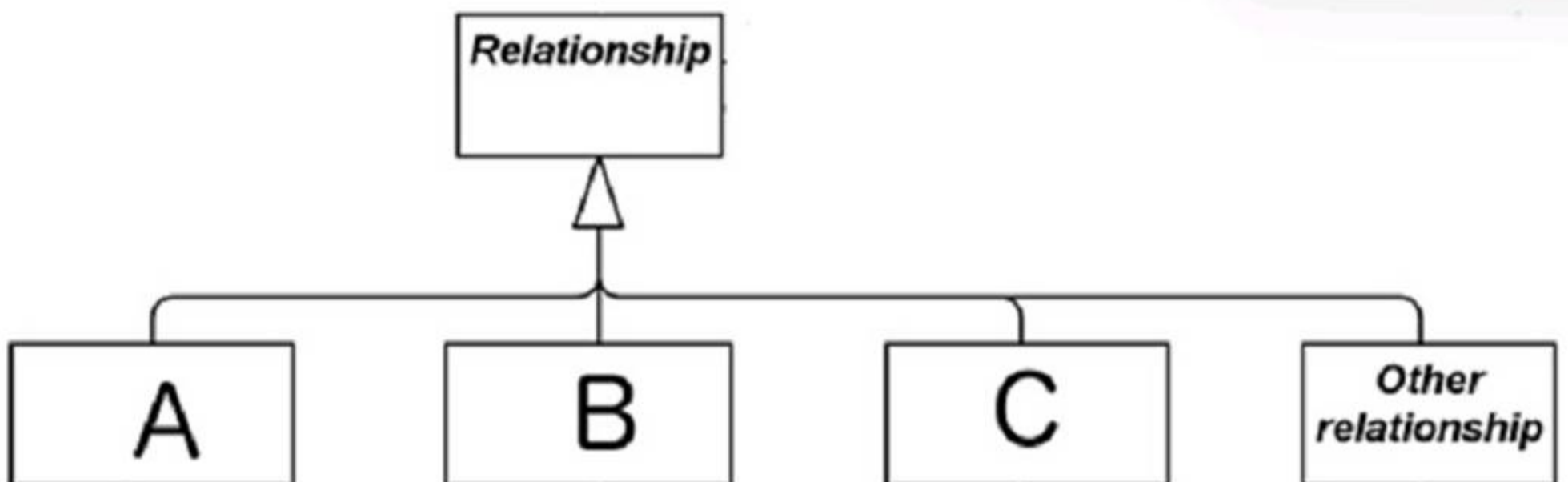
Which of the following answers best interprets the diagram?

- A. Ensuring the Customer is satisfied is a constraint on the CEO achieving the sales target.
- B. Customer satisfaction is a shared concern of the CEO and Customer.
- C. The CEO has the goal to provide customer satisfaction to the Customer.
- D. The CEO has a requirement to provide customer satisfaction.

**Answer: B**

**NEW QUESTION 54**

Relationships are classified in a number of categories as shown below What are A, B and C?

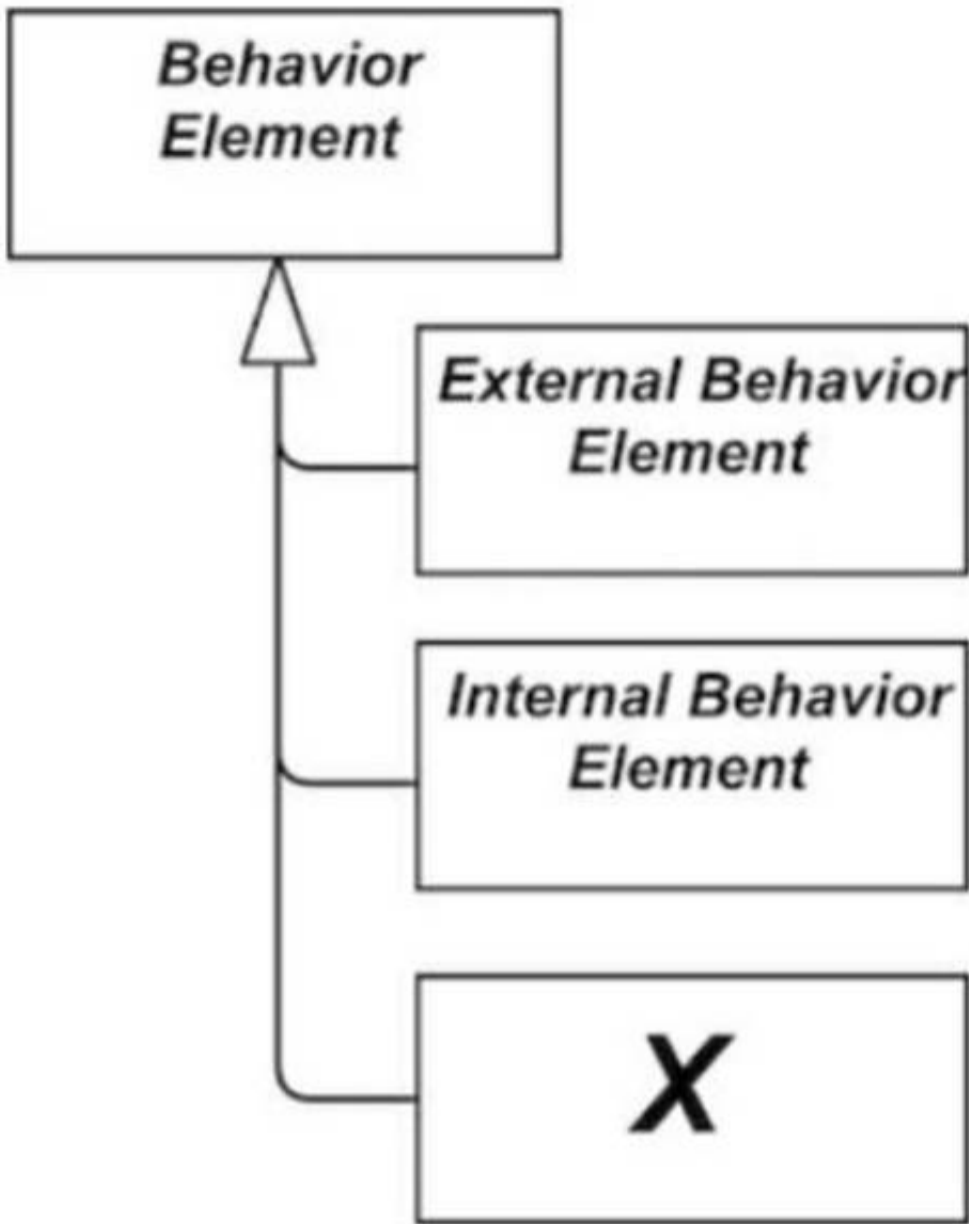


- A. Aggregation, assignment, realization
- B. Derived, Internal, External
- C. Passive, Behavior, Active
- D. Structural, dependency, dynamic

**Answer: D**

**NEW QUESTION 58**

Consider the metamodel fragment shown. What is the element marked X?

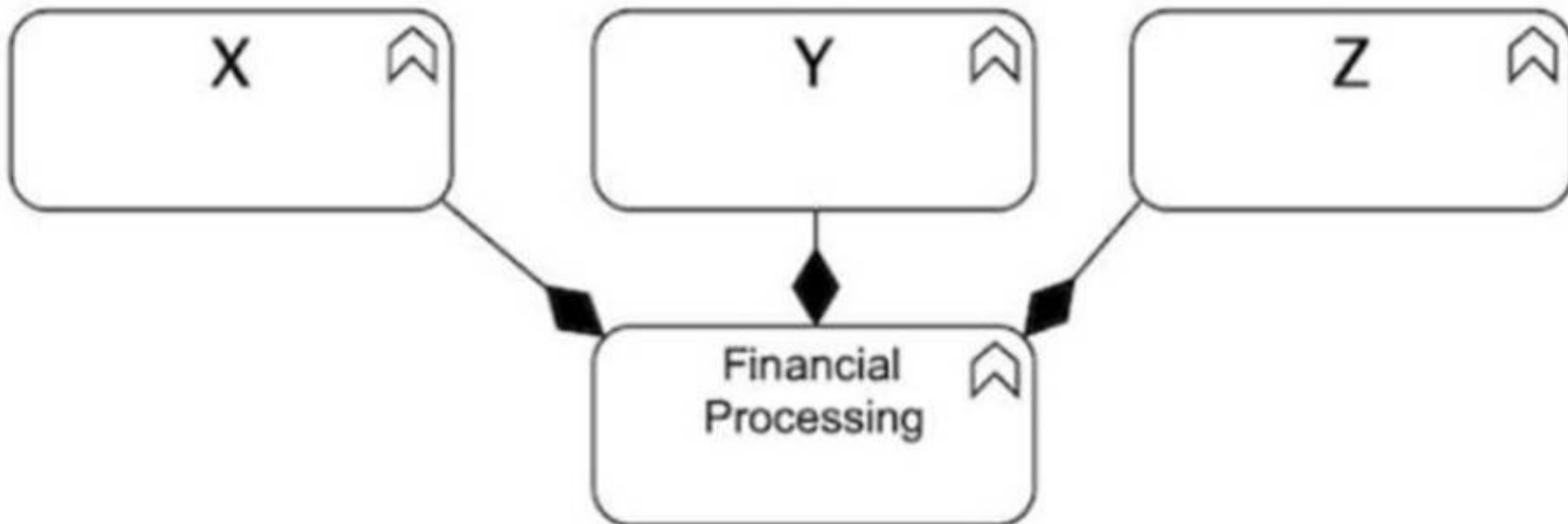


- A. Function
- B. Service
- C. Interface
- D. Event

**Answer: D**

**NEW QUESTION 62**

Consider the diagram:



(A diagram showing X, Y, and Z connected to Financial Processing using black diamonds.) Which of the following is the correct description of the diagram?

- A. The financial processing function is composed of three sub-functions X, Y, and Z.
- B. The financial processing function aggregates the three sub-functions X, Y, and Z.
- C. The financial processing function is influenced by the three sub-functions X, Y, and Z.
- D. The financial processing function is assigned the three sub-functions X, Y, and Z.

**Answer: A**

**NEW QUESTION 64**

Which of the following is a Passive Structure Element?

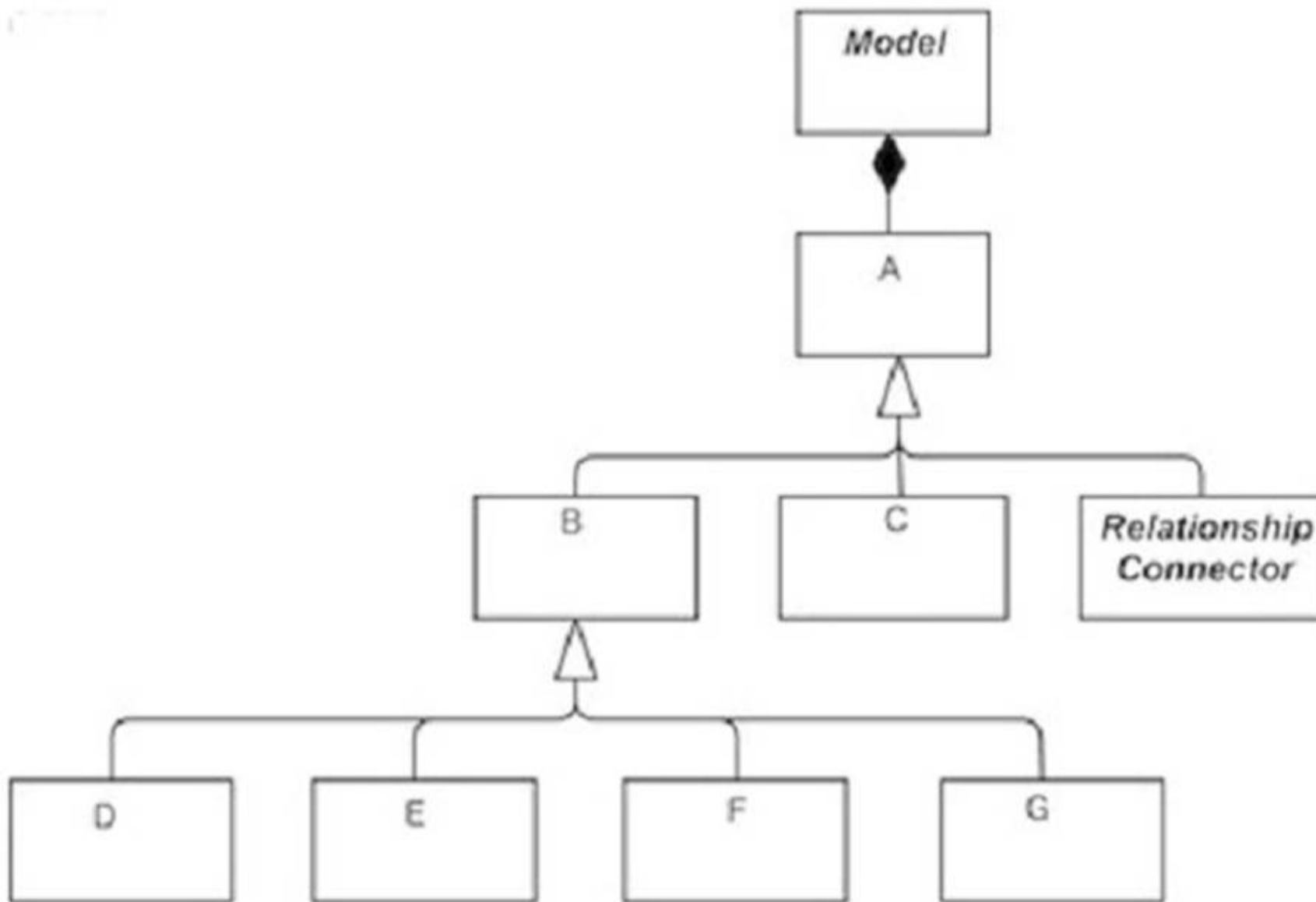
- A. Application Component
- B. Actor
- C. Event

D. Data Object

**Answer:** D

**NEW QUESTION 65**

Consider the top-level hierarchical structure of the ArchiMate Language shown below:



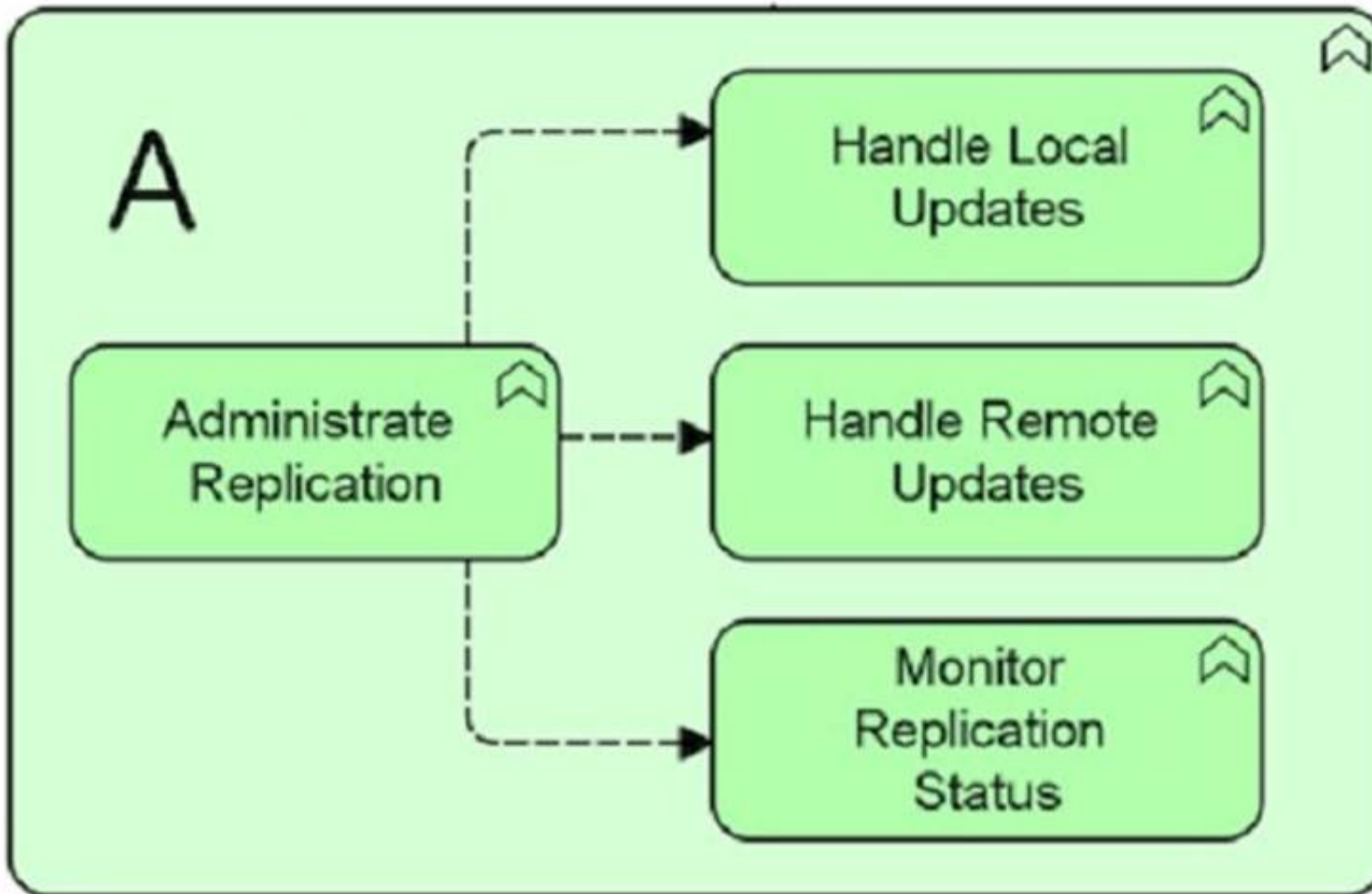
What do A and B denote?

- A. A=Element, B=Core Element
- B. A=Element, B=Relationship
- C. A-Concept, B-Element
- D. A-Metamodel, B-Event

**Answer:** C

**NEW QUESTION 70**

Consider the following diagram:



What correctly describes this diagram?

- A. Four technology functions realize technology function A The first function Administrate Replication triggers the other three functions in parallel
- B. Technology process A aggregates four technology service
- C. The Administrate Replication service is broken down into three other services.
- D. Technology function A is composed of four technology processe
- E. The technology process Administrate Replication reads information from the three other processes.
- F. Technology function A is composed of four technology function
- G. Information flows from Administrate Replication to the other functions.

Answer: D

**NEW QUESTION 72**

What element type is denoted by the symbol below using the standard notation conventions?



- A. Behavior element
- B. Structure element
- C. Physical element
- D. Motivation element

Answer: B

**NEW QUESTION 77**

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