ArchiMate® 3.2 Elements and Relationships

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Motivation	Composite	Passive Structure	Behavior	Active Structure	

Strategy layer:
- Course of Action
- Resource
- Capability
- Value Stream
- Resources are both Active and Passive / Resource

Business layer:
- Product
- Contract
- Business Object
- Representation
- Business Service
- Business Process
- Business Function
- Business Event
- Business Interaction
- Business Interface
- Business Collaboration
- Business Role
- Business Actor

Application layer:
- Data Object
- Application Service
- Application Process
- Application Function
- Application Event
- Application Interaction
- Application Interface
- Application Collaboration
- Application Component

Technology layer:
- Artifact
- Technology Service
- Technology Process
- Technology Function
- Technology Event
- Technology Interaction
- Technology Interface
- Technology Collaboration
- Node
- Path
- System Software
- Communication Network
- Device

Physical layer:
- Material
- Facility
- Distribution Network
- Equipment

Implementation & Migration:
- Plateau
- Gap
- Deliverable
- Implementation Event
- Work Package

Motivation elements:
- Meaning
- Value
- Stakeholder
- Driver
- Assessment
- Goal
- Outcome
- Principle
- Requirement
- Constraint

Generic Composite Elements:
- Grouping
- Location

Concept / Definition

Concept	Definition
Application Collaboration	An aggregate of two or more application internal active structure elements that work together to perform collective application behavior .
Application Component	An encapsulation of application functionality aligned to implementation structure , which is modular and replaceable .
Application Event	An application state change .
Application Function	Automated behavior that can be performed by an application component .
Application Interaction	A unit of collective application behavior performed by (a collaboration of) two or more application components .
Application Interface	A point of access where application services are made available to a user , another application component , or a node .
Application Process	A sequence of application behaviors that achieves a specific result .
Application Service	An explicitly defined exposed application behavior .
Artifact	A piece of data that is used or produced in a software development process , or by deployment and operation of a system .
Assessment	The result of an analysis of the state of affairs of the enterprise with respect to some driver .
Business Actor	A business entity that is capable of performing behavior .
Business Collaboration	An aggregate of two or more business internal active structure elements that work together to perform collective behavior.
Business Event	A business-related state change.
Business Function	A collection of business behavior based on a chosen set of criteria such as required business resources and /or competencies, and managed or performed as a whole .
Business Interaction	A unit of collective business behavior performed by (a collaboration of) two or more business actors, business roles, or business collaborations .
Business Interface	A point of access where a business service is made available to the environment .
Business Object	A concept used within a particular business domain .
Business Process	A sequence of business behaviors that achieves a specific result such as a defined set of products or business services.
Business Role	The responsibility for performing specific behavior , to which an actor can be assigned, or the part an actor plays in a particular action or event .
Business Service	An explicitly defined exposed business behavior .
Capability	An ability that an active structure element , such as an organization, person, or system, possesses .
Communication Network	A set of structures that connects technology internal active structure elements for transmission , routing, and reception of data.
Constraint	A limitation on aspects of the architecture , its implementation process, or its realization.
Contract	A formal or informal specification of an agreement between a provider and a consumer that specifies the rights and obligations associated with a product and establishes functional and non -functional parameters for interaction .
Course of Action	An approach or plan for configuring some capabilities and resources of the enterprise , undertaken to achieve a goal.
Data Object	Data structured for automated processing .
Deliverable	A precisely-defined result of a work package .
Device	A physical IT resource upon which system software and artifacts may be stored or deployed for execution .
Distribution Network	A physical network used to transport materials or energy .
Driver	An external or internal condition that motivates an organization to define its goals and implement the changes necessary to achieve them .
Equipment	One or more physical machines , tools, or instruments that can create, use, store, move, or transform materials.
Facility	A physical structure or environment .
Gap	A statement of difference between two plateaus .
Goal	A high-level statement of intent, direction, or desired end state for an organization and its stakeholders .
Grouping	The grouping element aggregates or composes concepts that belong together based on some common characteristic .
Implementation Event	A behavior element that denotes a state change related to implementation or migration .
Location	A place or position where structure elements can be located or behavior can be performed .
Material	Tangible physical matter or energy .
Meaning	The knowledge or expertise present in , or the interpretation given to, a core element in a particular context .
Node	A computational or physical resource that hosts , manipulates, or interacts with other computational or physical resources.
Outcome	An end result, effect, or consequence of a certain state of affairs .
Path	A link between two or more technology internal active structure elements , through which these elements can exchange data, energy, or material.
Plateau	A relatively stable state of the architecture that exists during a limited period of time .
Principle	A statement of intent defining a general property that applies to any system in a certain context in the architecture .
Product	A coherent collection of services and /or passive structure elements , accompanied by a contract, which is offered as a whole to (internal or external) customers.
Representation	A perceptible form of the information carried by a business object .
Requirement	A statement of need defining a property that applies to a specific system as described by the architecture .
Resource	An asset owned or controlled by an individual or organization .
Stakeholder	The role of an individual , team, or organization (or classes thereof) that their interests in the effects of the architecture .
System Software	Software that provides or contributes to an environment for storing , executing, and using software or data deployed within it .
Technology Collaboration	An aggregate of two or more technology internal active structure elements that work together to perform collective technology behavior .
Technology Event	A technology state change .
Technology Function	A collection of technology behavior that can be performed by a technology internal active structure element .
Technology Interaction	A unit of collective technology behavior performed by (a collaboration of) two or more technology internal active structure elements .
Technology Interface	A point of access where technology services offered by a technology internal active structure element can be accessed .
Technology Process	A sequence of technology behaviors that achieves a specific result .
Technology Service	An explicitly defined exposed technology behavior .
Value	The relative worth , utility, or importance of a concept .
Value Stream	A sequence of activities that create an overall result for a customer , stakeholder, or end user .
Work Package	A series of actions identified and designed to achieve specific results within specified time and resource constraints .

Relationships

Structural Relationships
- Composition
- Aggregation
- Assignment
- Realization

Dependency Relationships
- Serving
- Access
- Influence
- Association

Dynamic Relationships
- Triggering
- Flow

Other Relationships
- Specialization

Relationship Connectors
- And-Junction
- Or-Junction

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