



MINISTERSTVO

INVESTÍCIÍ, REGIONÁLNEHO ROZVOJA
A INFORMATIZÁCIE
SLOVENSKEJ REPUBLIKY

Modelovací jazyk ArchiMate

školenie



KONCEPTY JADRA

Jadro jazyku -Core framework (1/2)

Tri vrstvy:

- biznis,
- aplikačná,
- technologická.

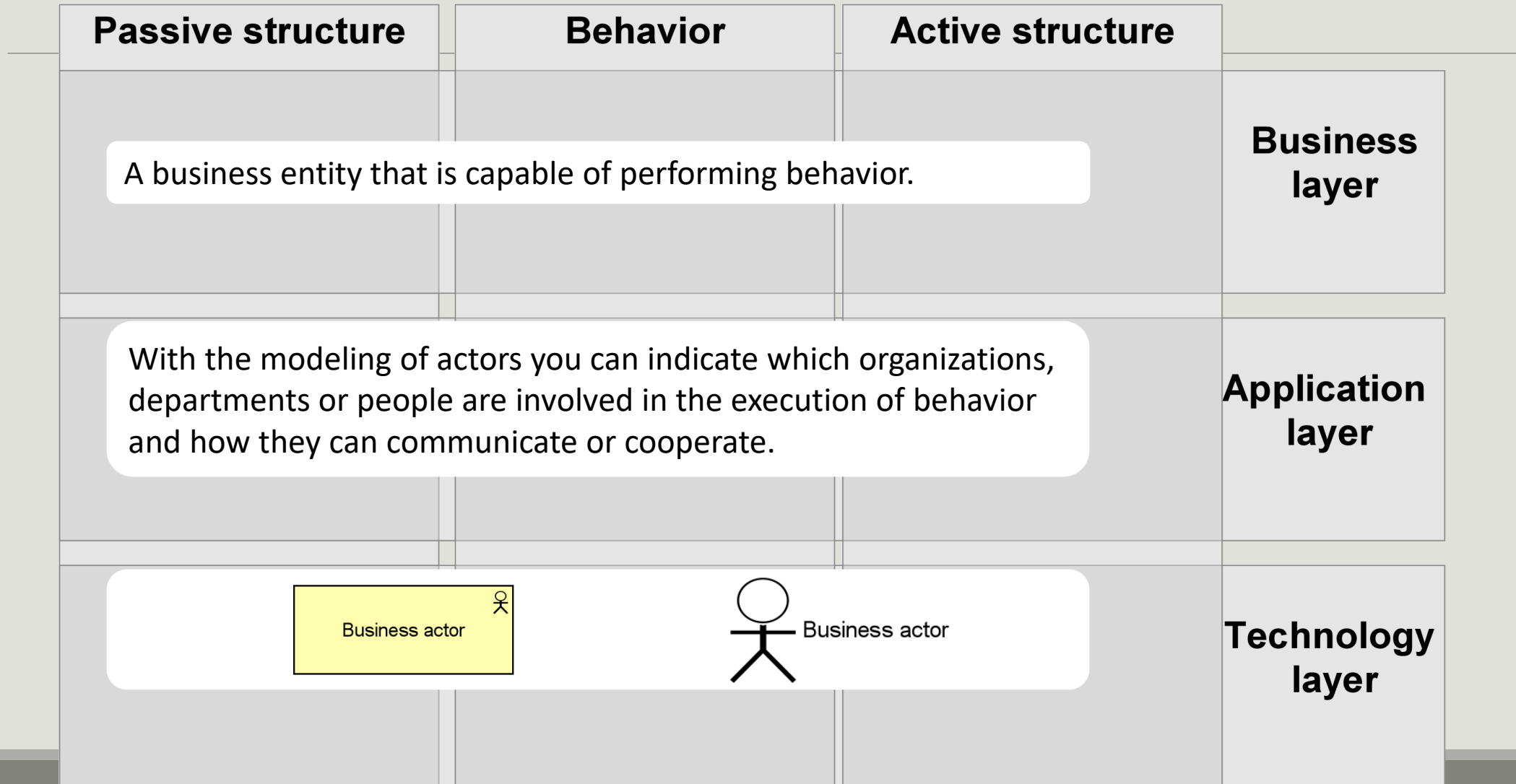
Tri aspekty:

- aktívne štrukturálne: entita schopná vykonávať správanie,
- behaviorálne: správanie vykonané 1 alebo viac štrukturálnymi objektami,
- pasívne štrukturálne: objekt, na ktorom je správanie vykonávané.

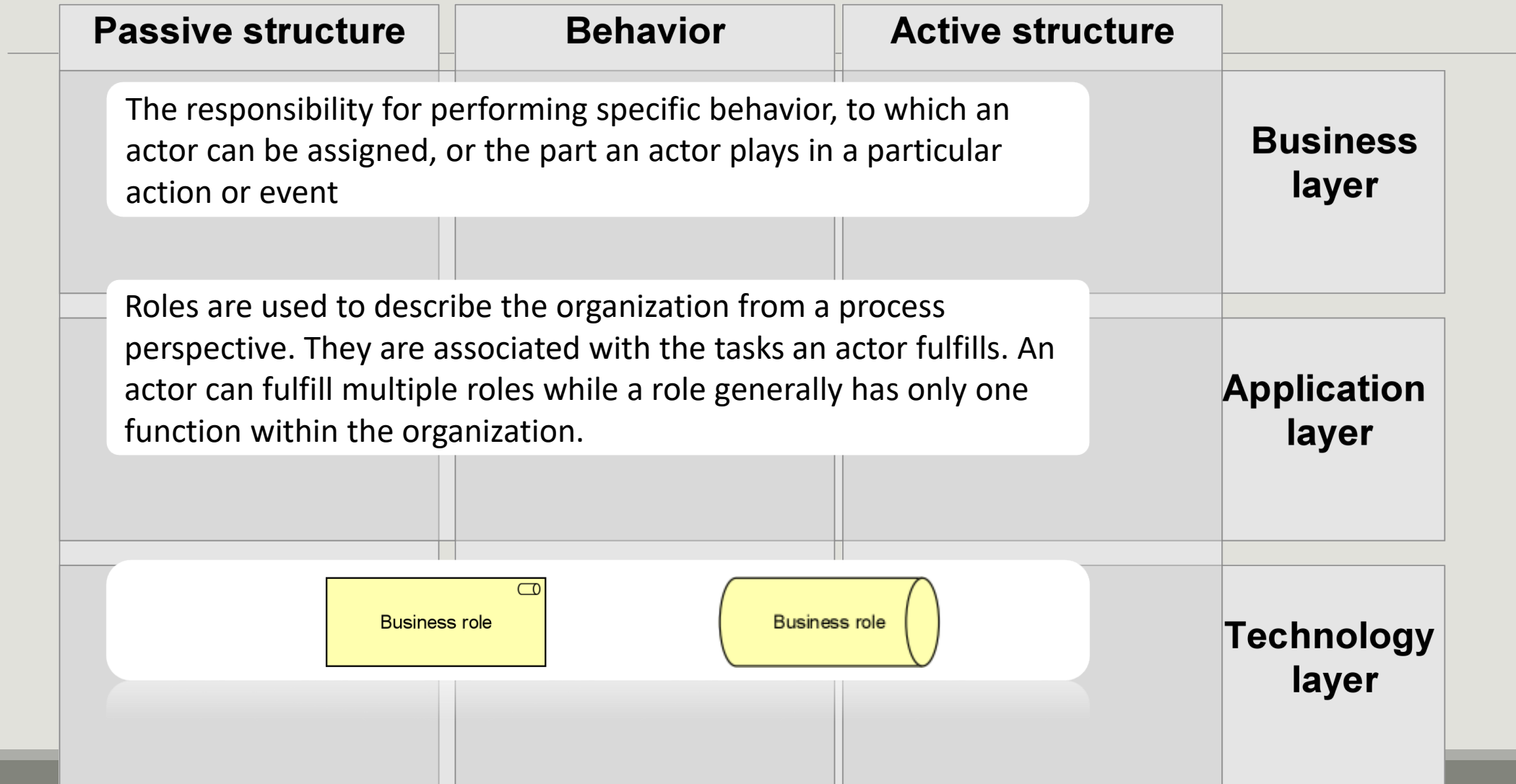
Passive structure	Behavior	Active structure	
			Business layer
			Application layer
			Technology layer

Kompozitné elementy

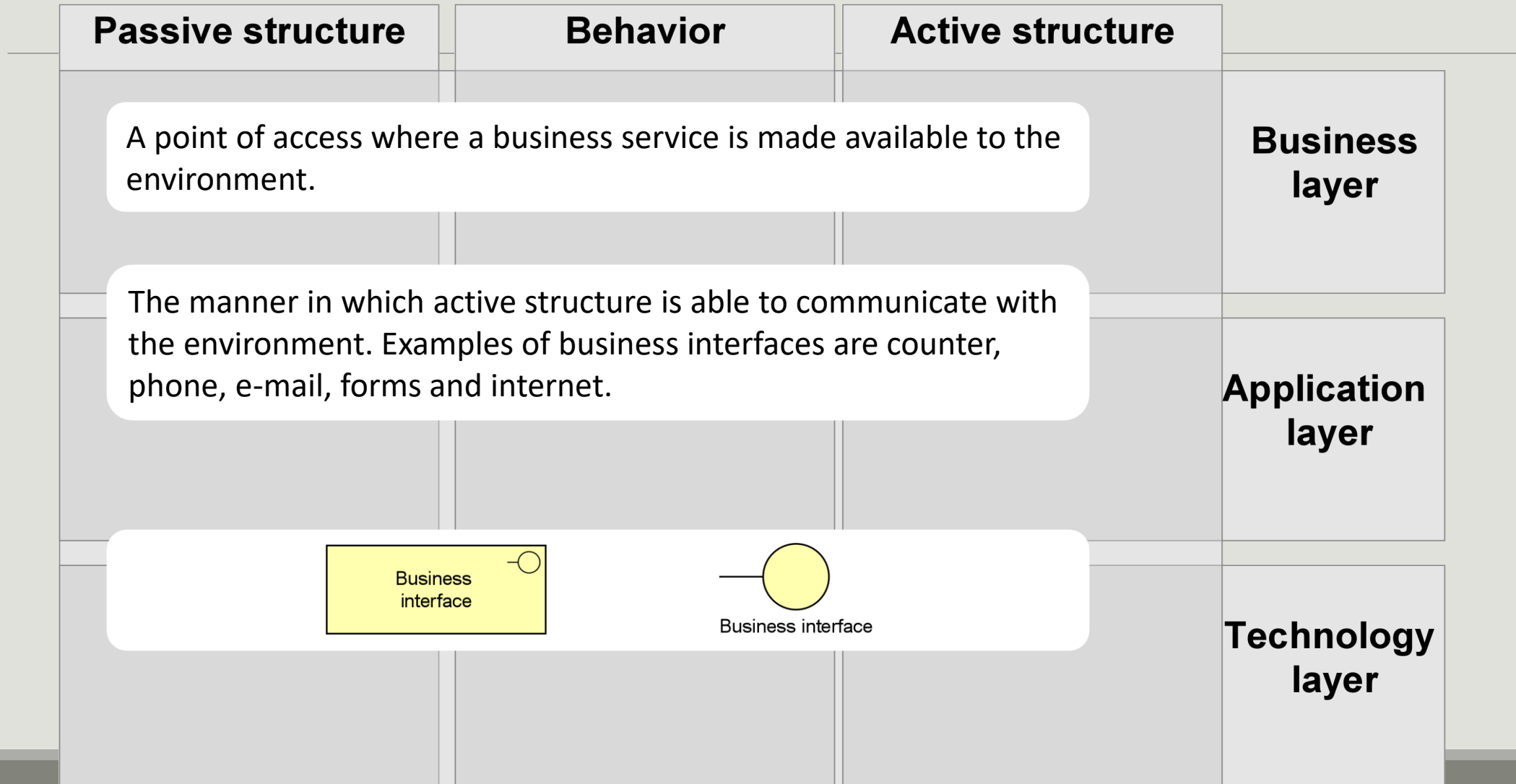
Business Actor



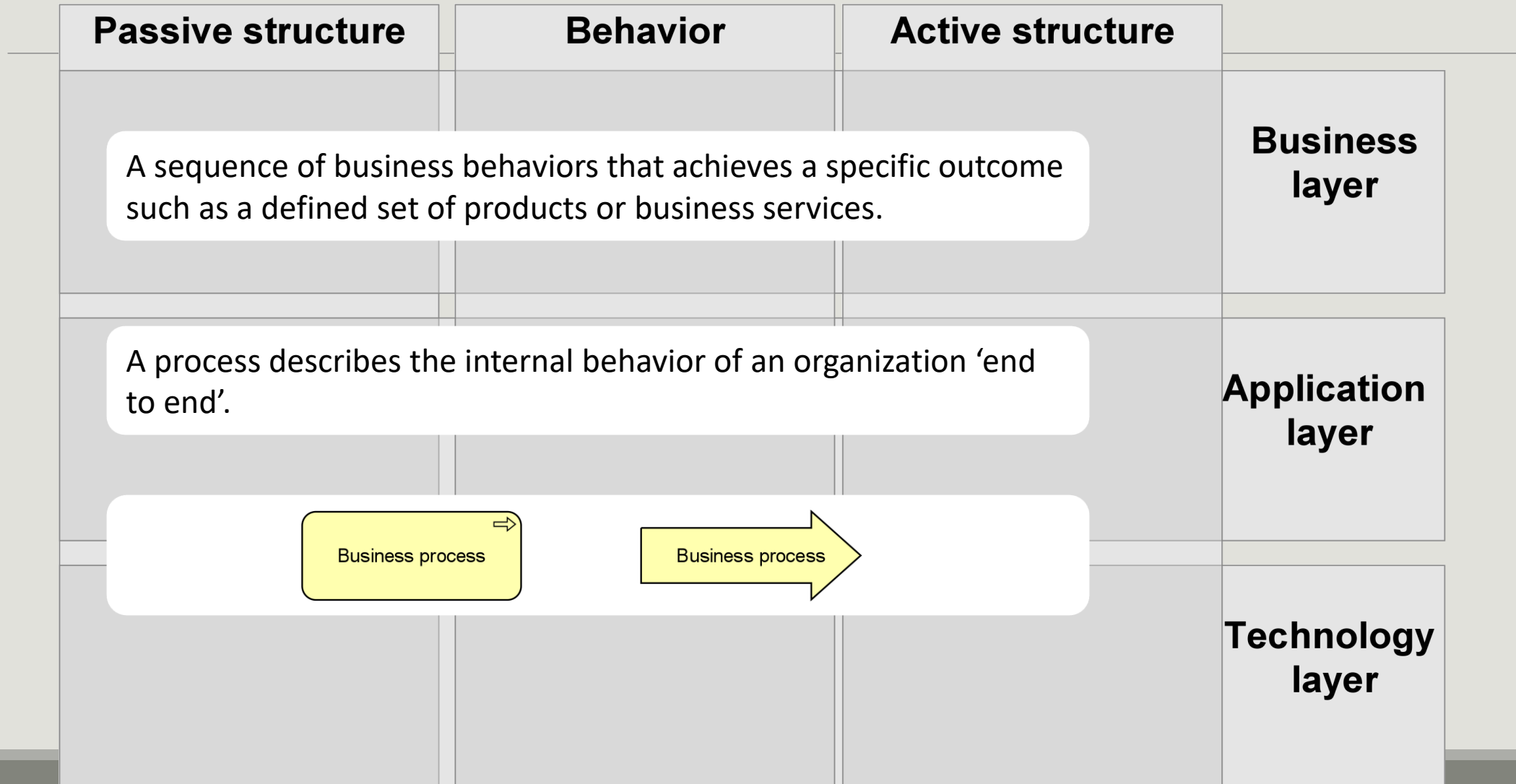
Business Role



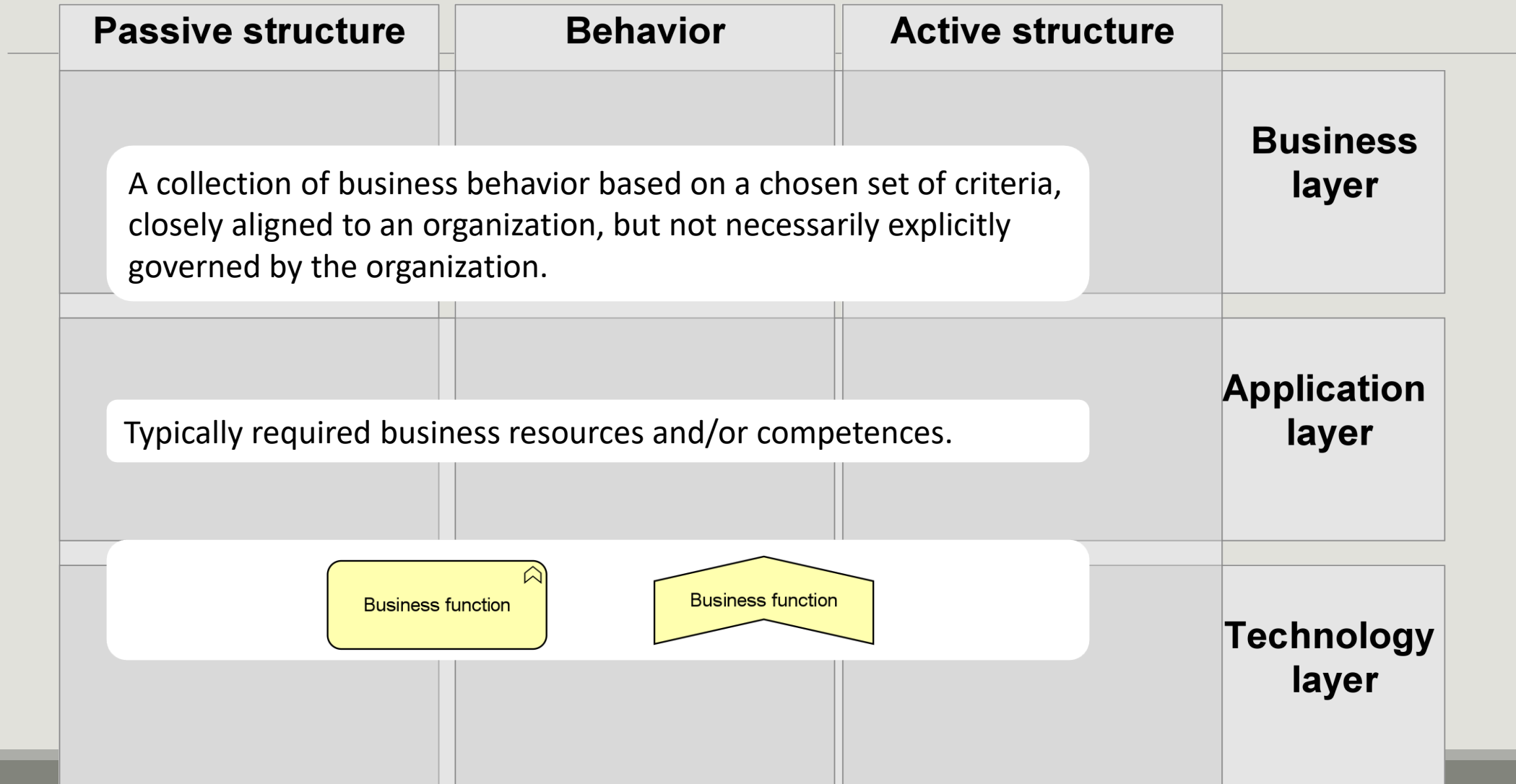
Business Interface



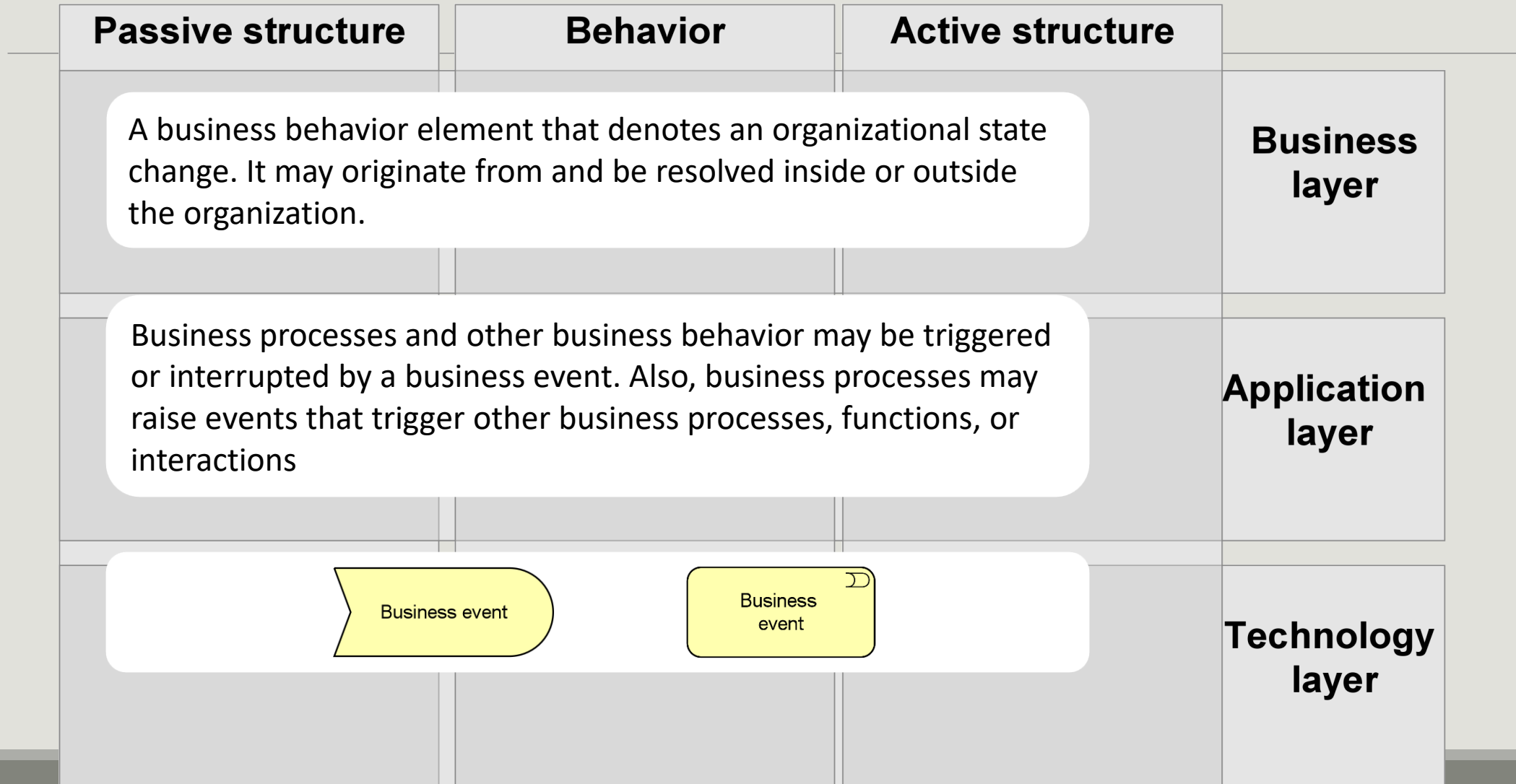
Business Process



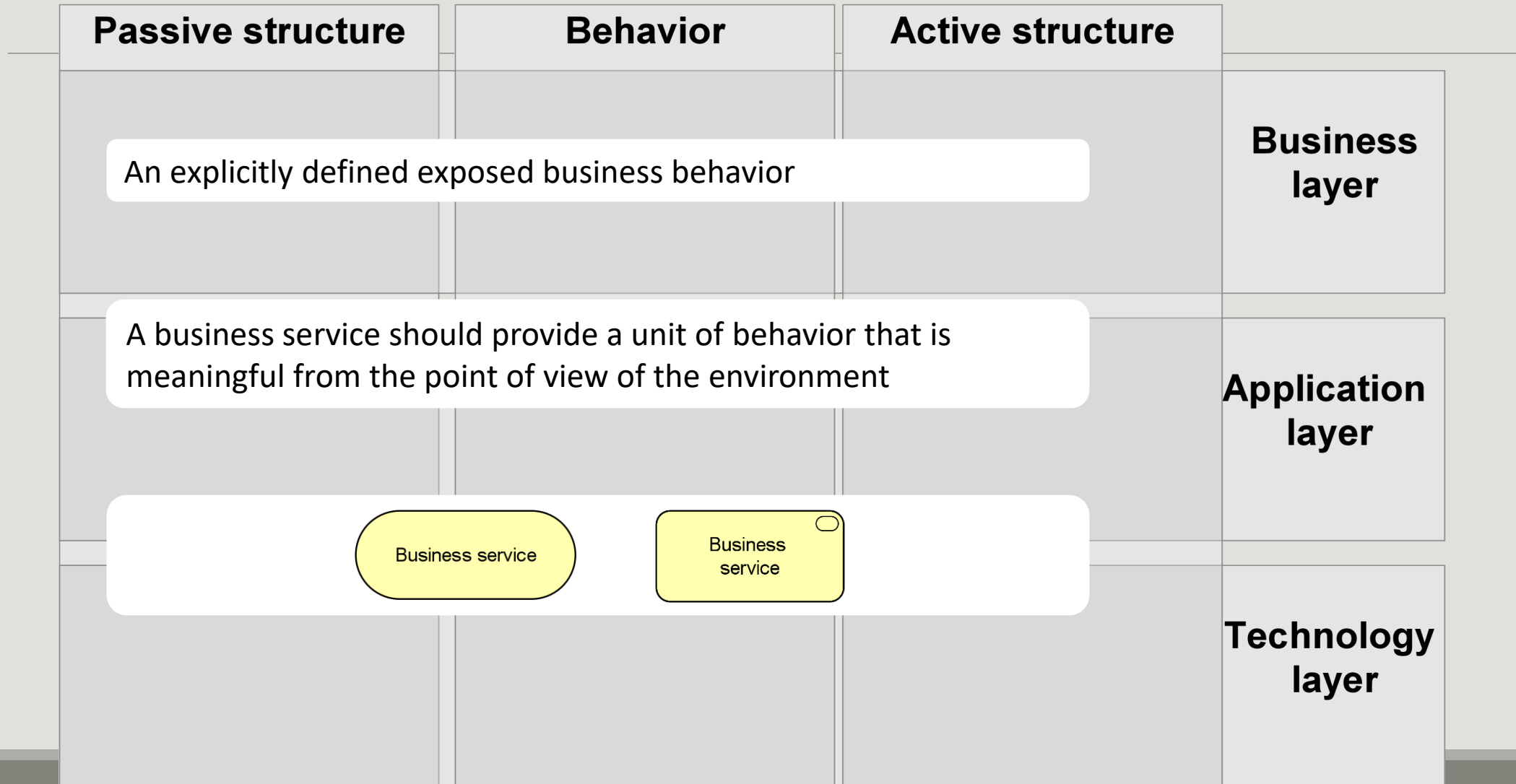
Business Function



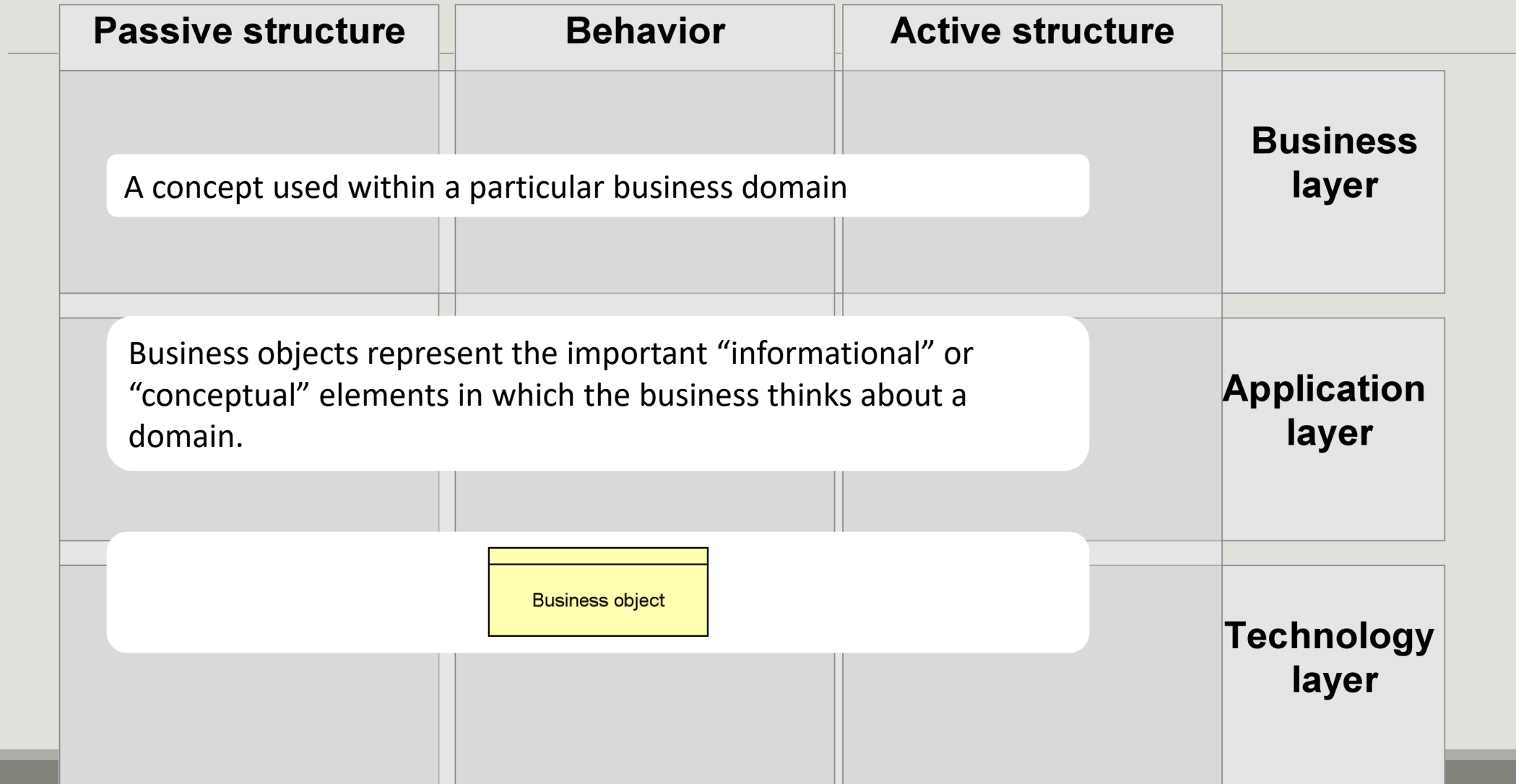
Business Event



Business Service




Business Object



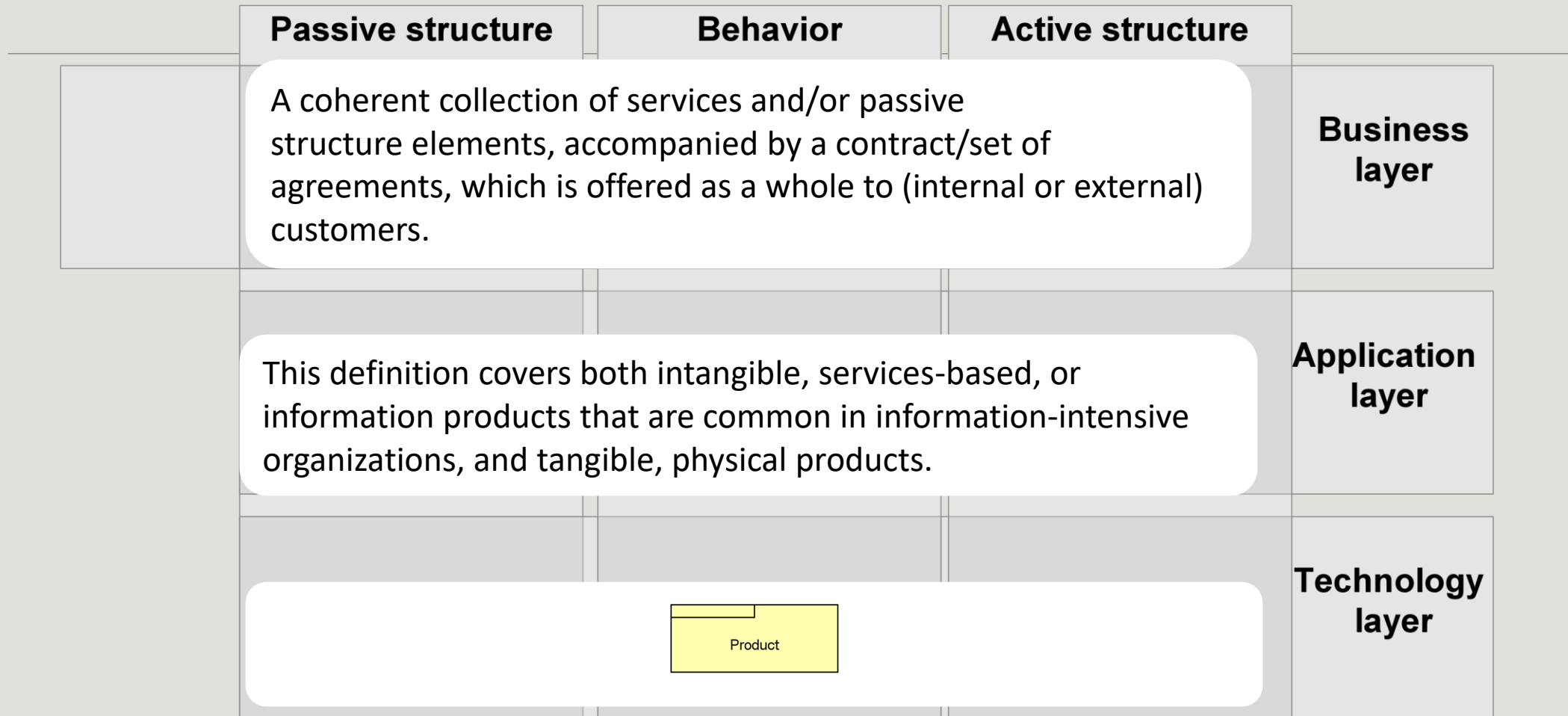
Contract

Passive structure	Behavior	Active structure	
Formal or informal specification of an agreement that specifies the rights and obligations associated with a product and establishes functional and non-functional parameters for interaction			Business layer
The contract concept may be used to model a contract in the legal sense, but also a more informal agreement associated with a product. It may also be or include a Service Level Agreement (SLA). A contract is a specialization of a business object.			Application layer
<div>Contract</div>			Technology layer

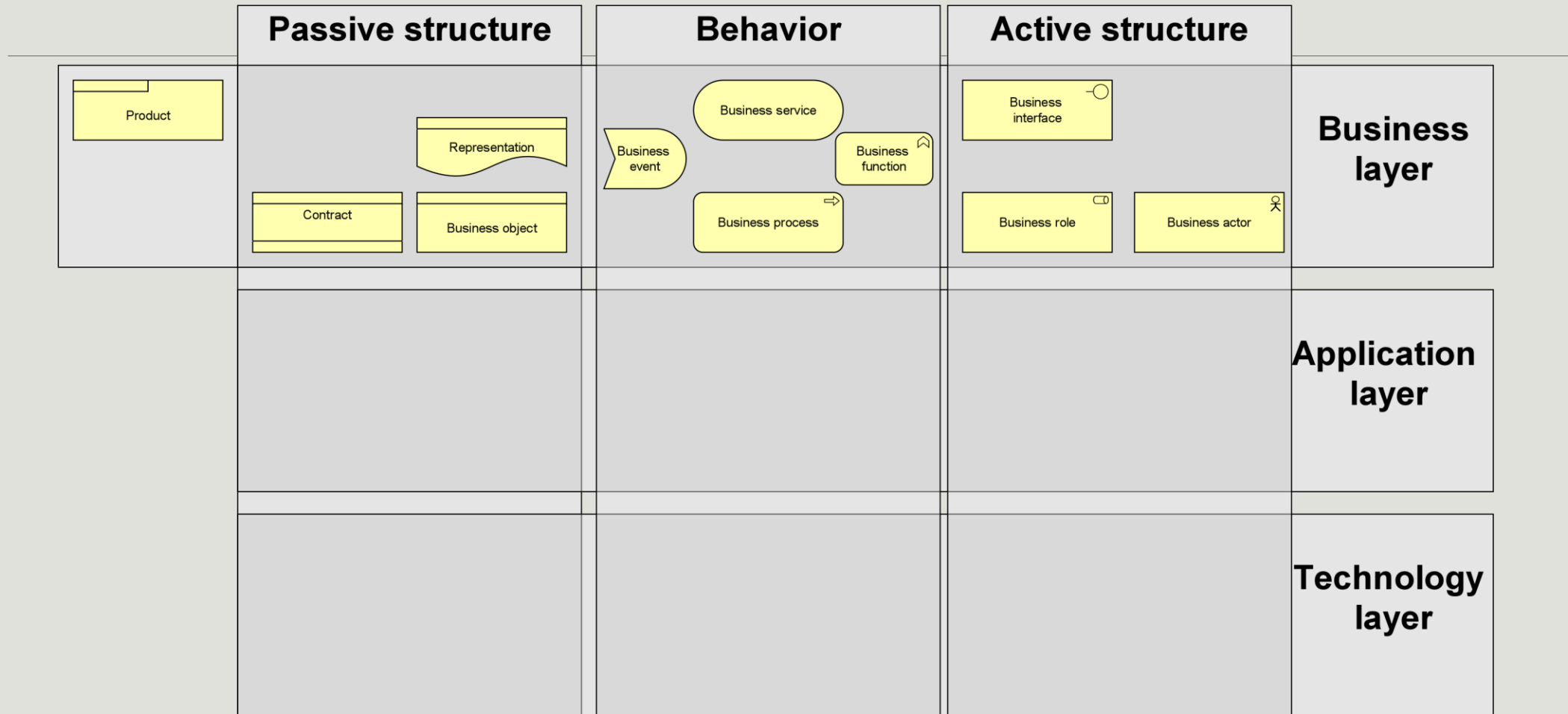
Representation

Passive structure	Behavior	Active structure	
A perceptible form of the information carried by a business object.			Business layer
If relevant, representations can be classified in various ways; for example, in terms of medium (electronic, paper, audio, etc.) or format (HTML, ASCII, PDF, RTF, etc.).			Application layer
			Technology layer

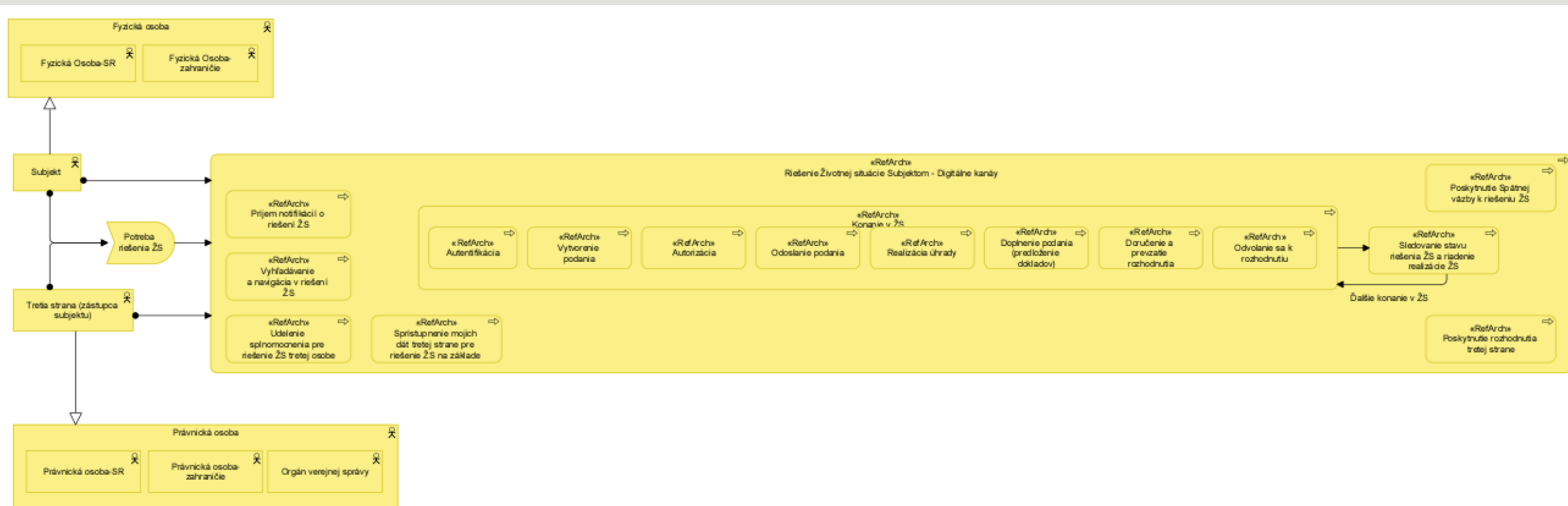
Product



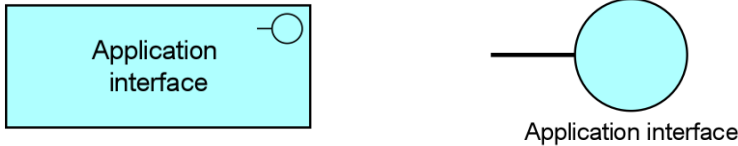
Biznis vrstva



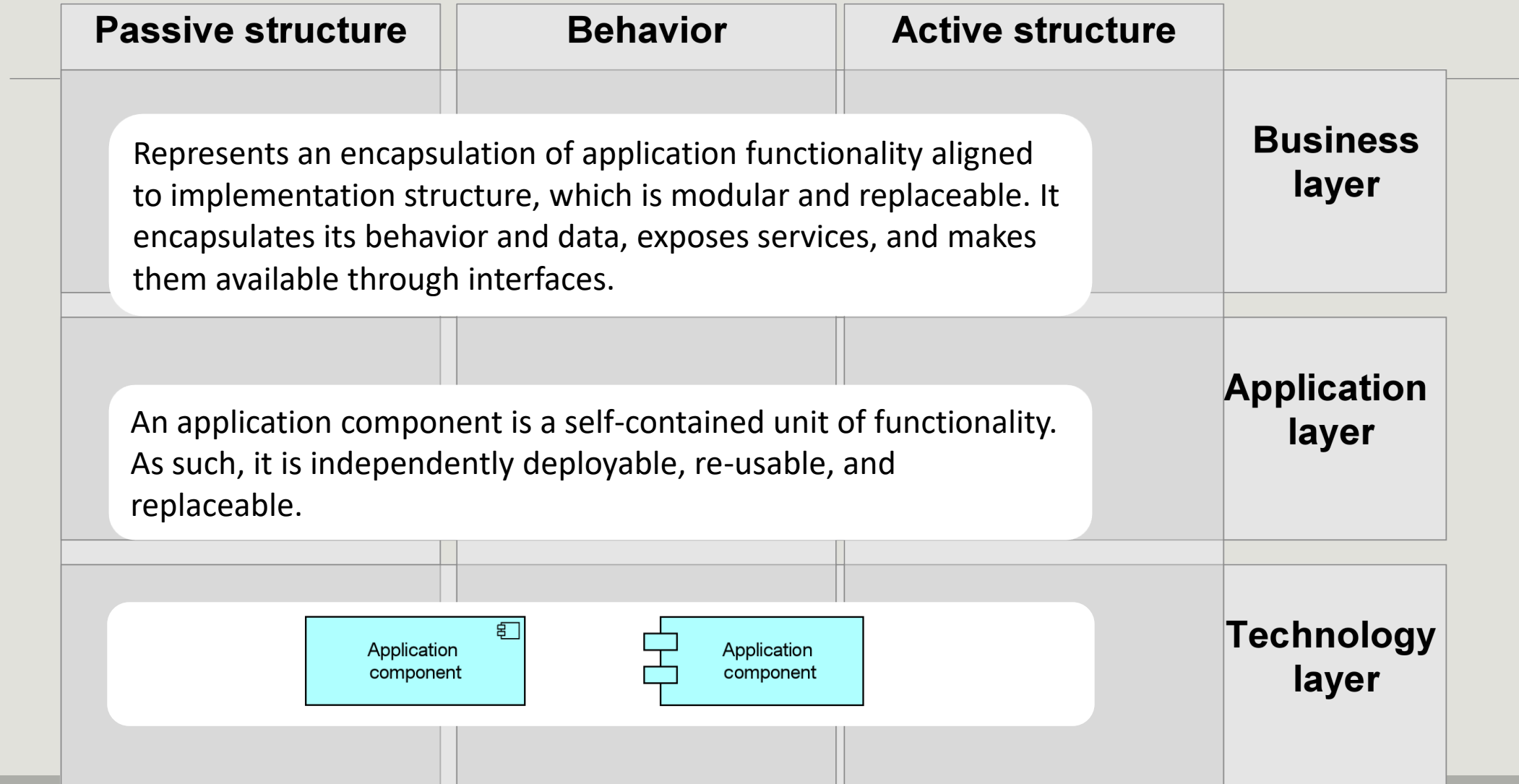
Príklad



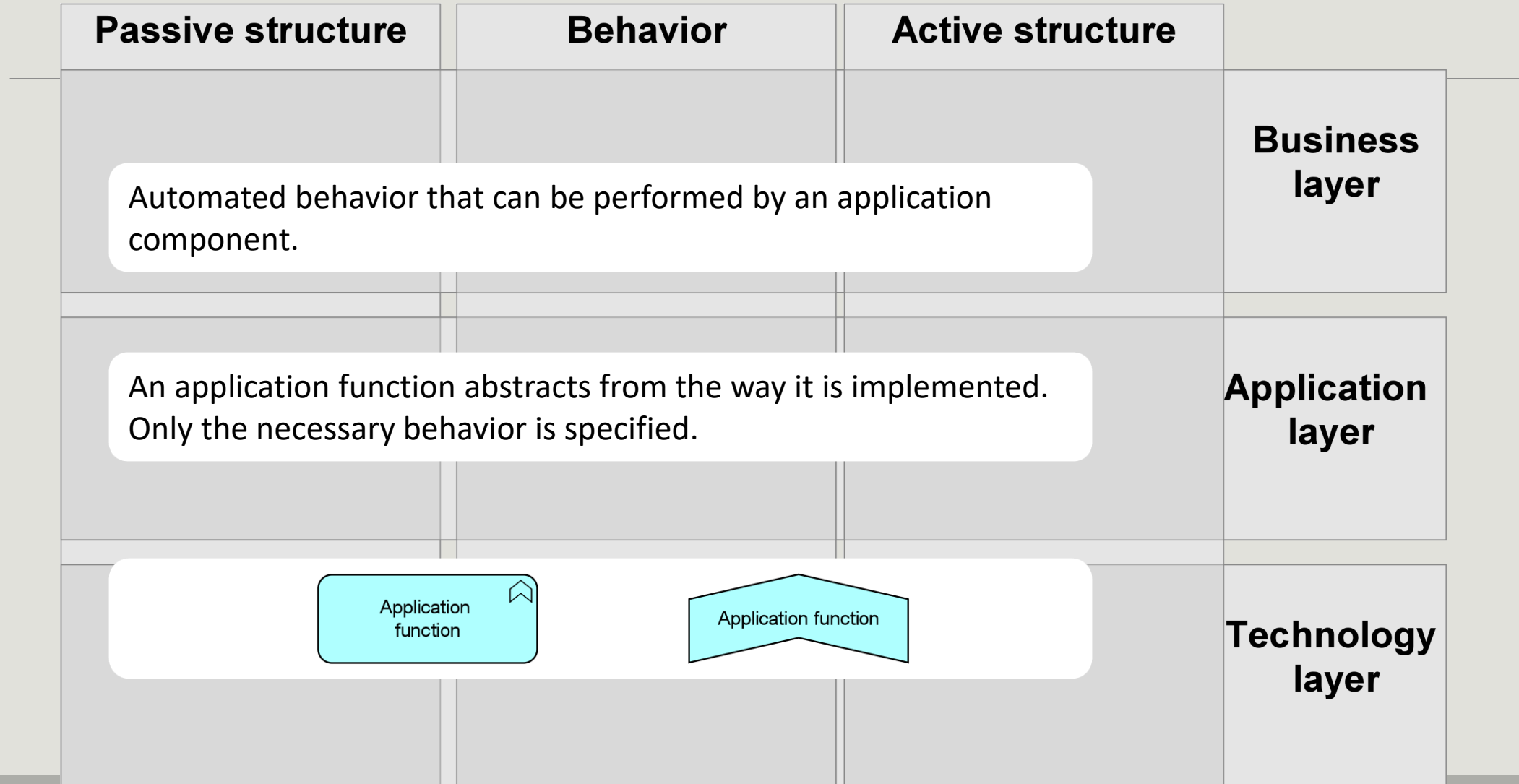
Application Interface

Passive structure	Behavior	Active structure	
A point of access where a application services are made available to a user, another application component, or a node			Business layer
An application interface specifies how the functionality can be accessed or which functionality an application component requires from its environment. An application interface exposes an application service to the environment. The same application service may be exposed through different interfaces.			Application layer
			Technology layer

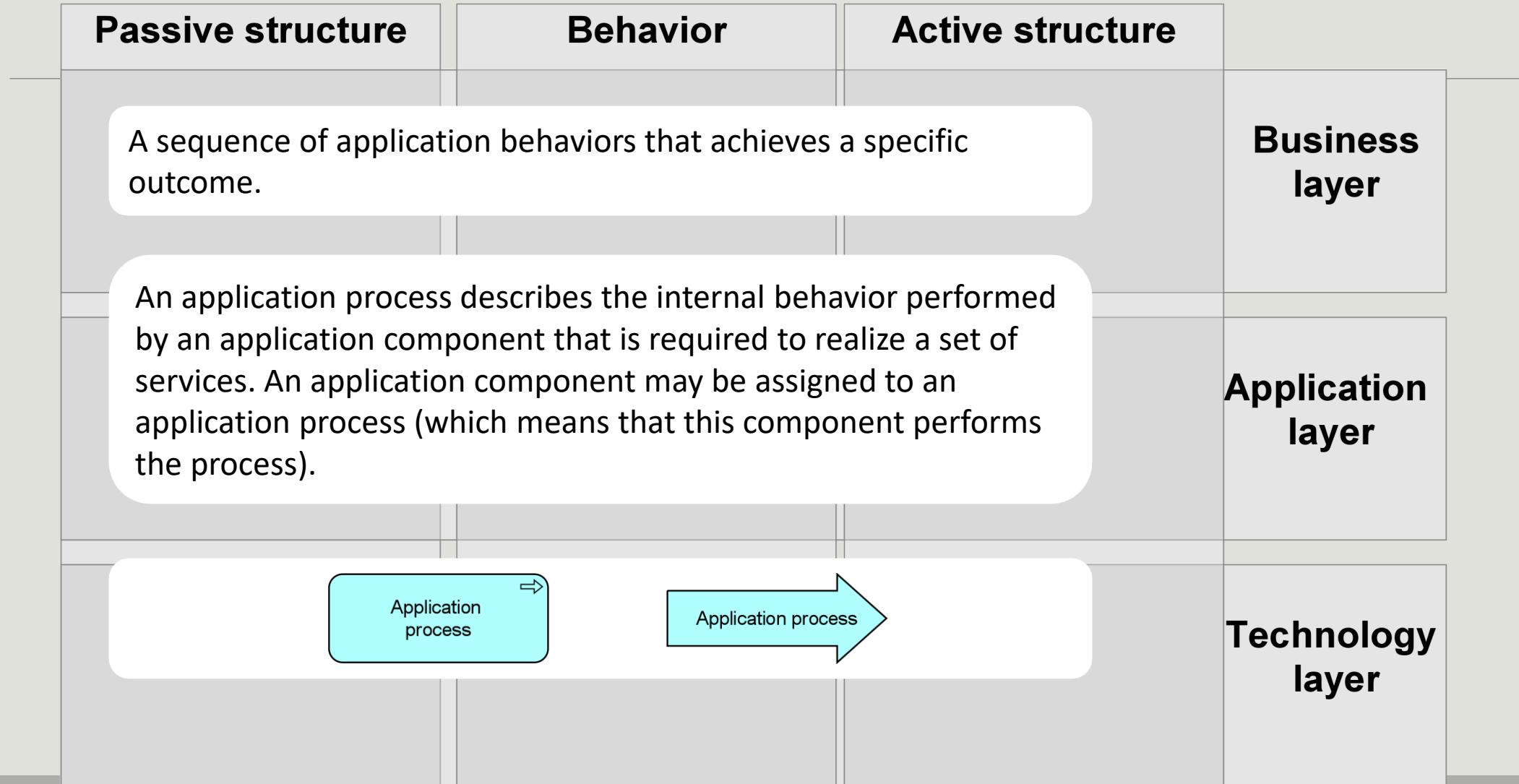
Application Component



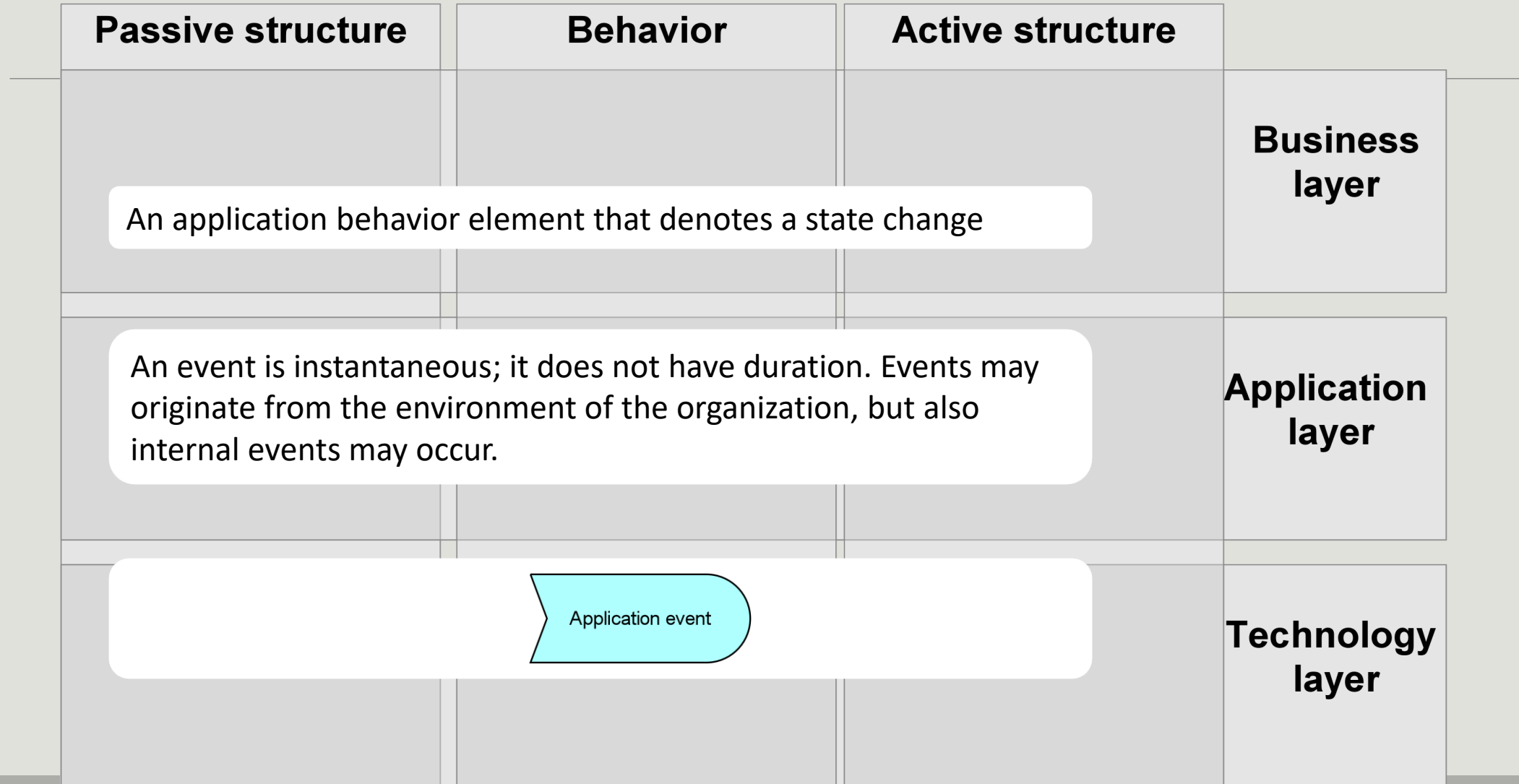
Application Function



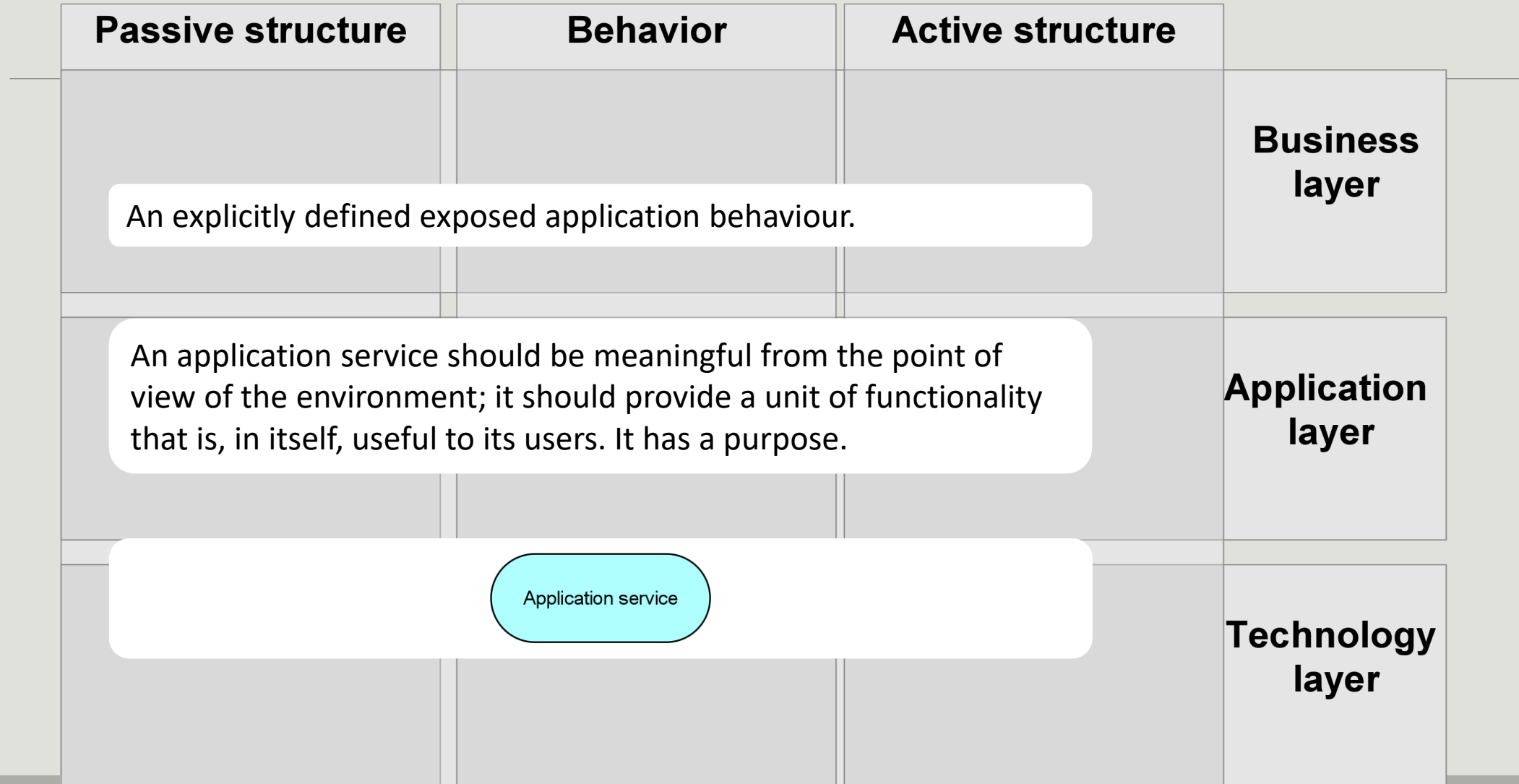
Application Process



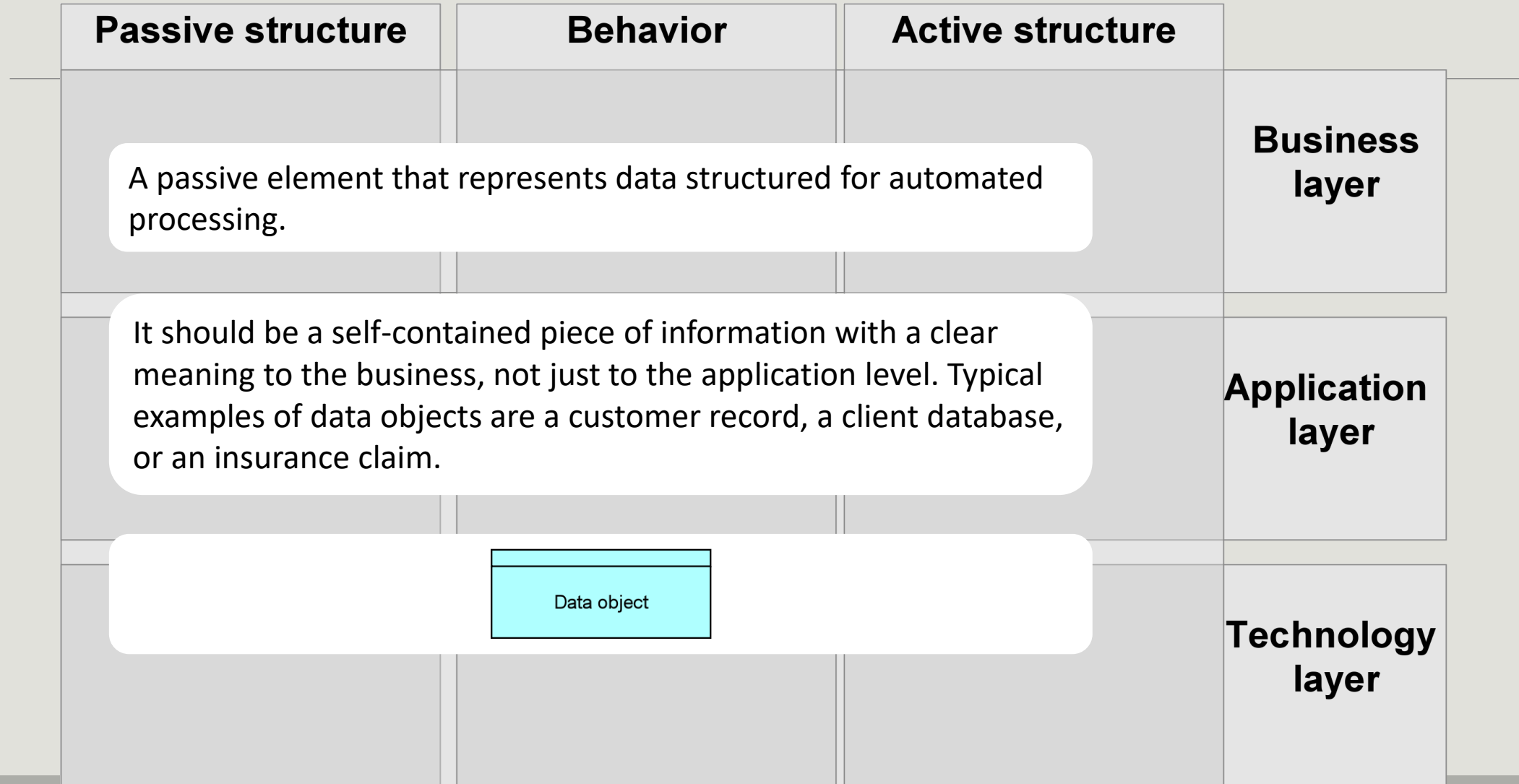
Application Event



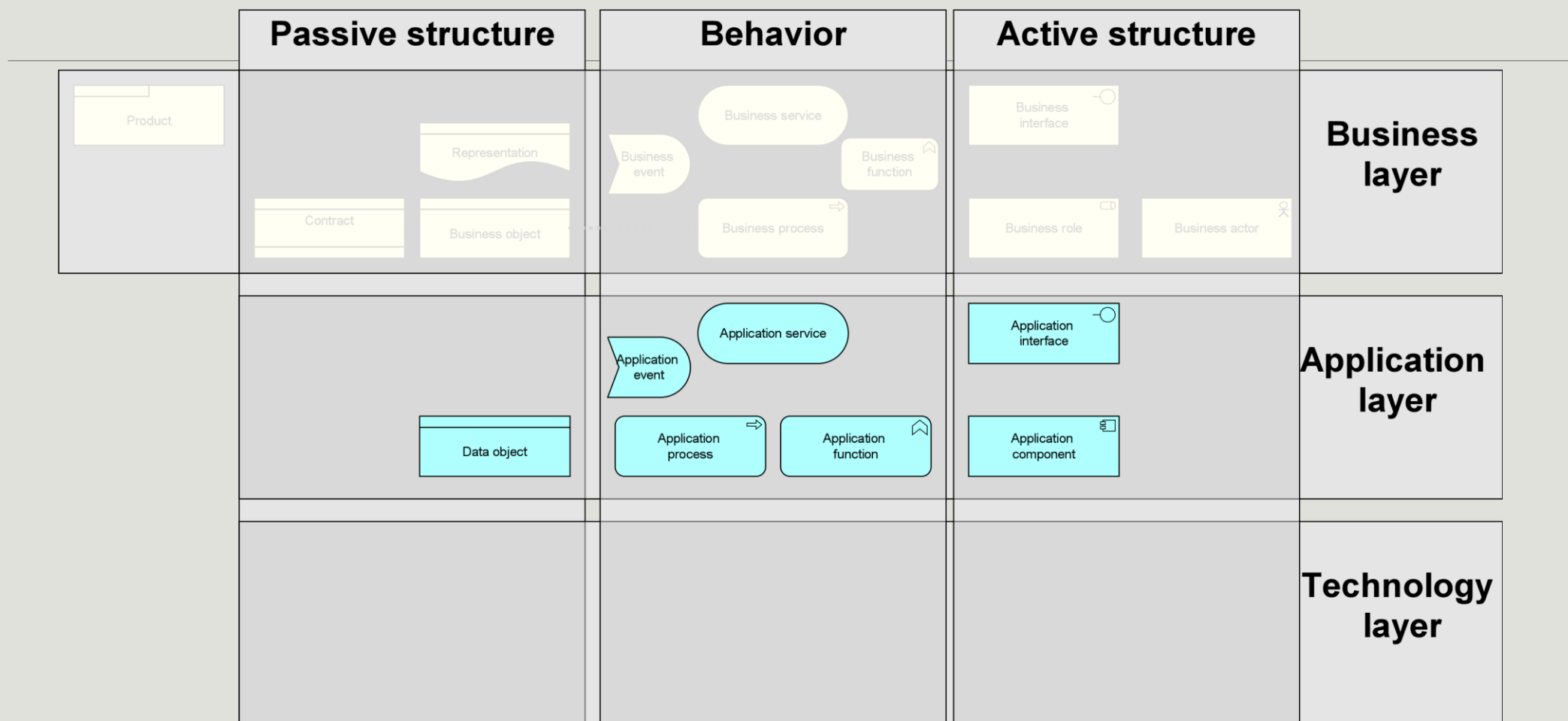
Application Service



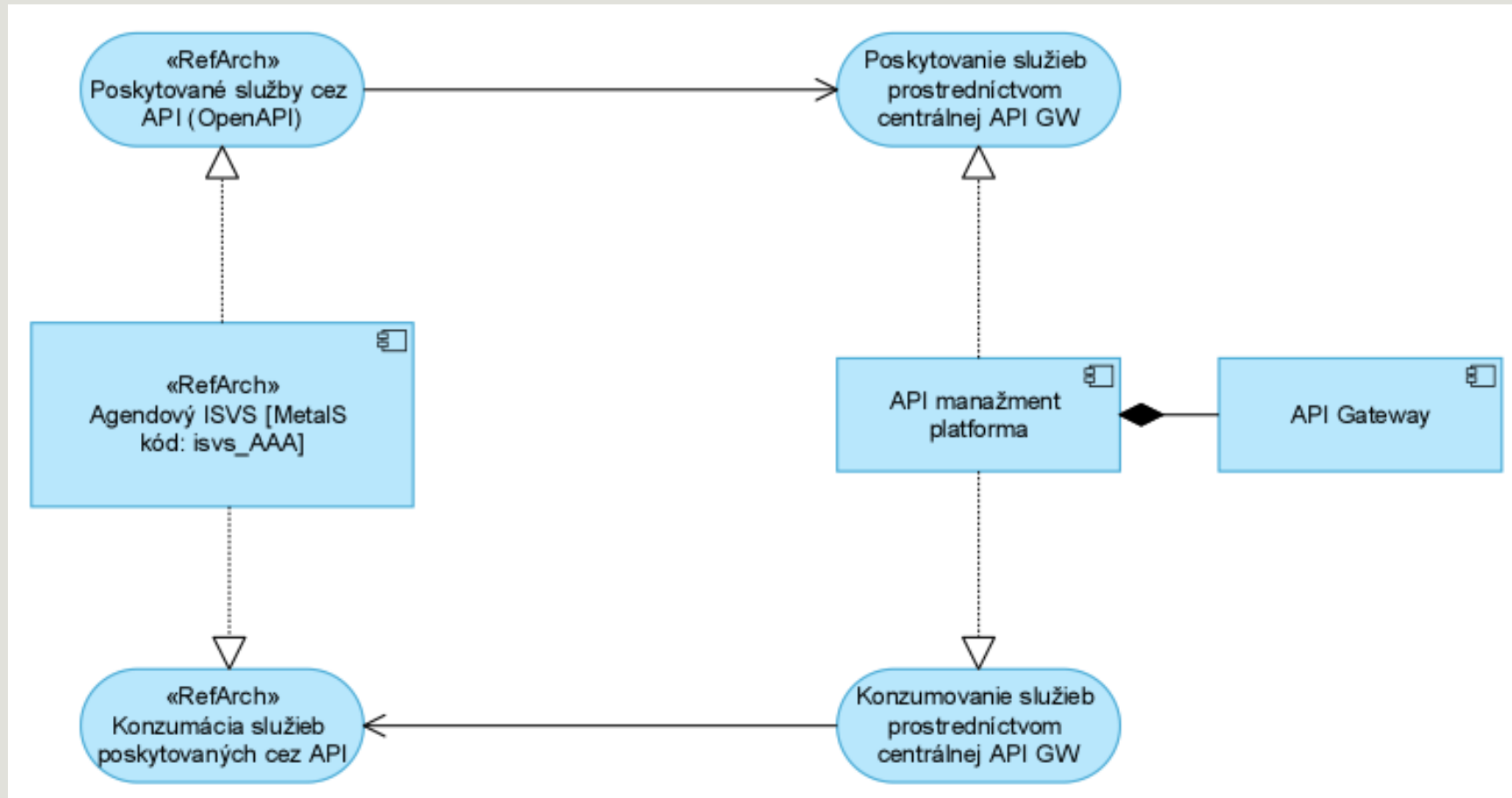
Data Object



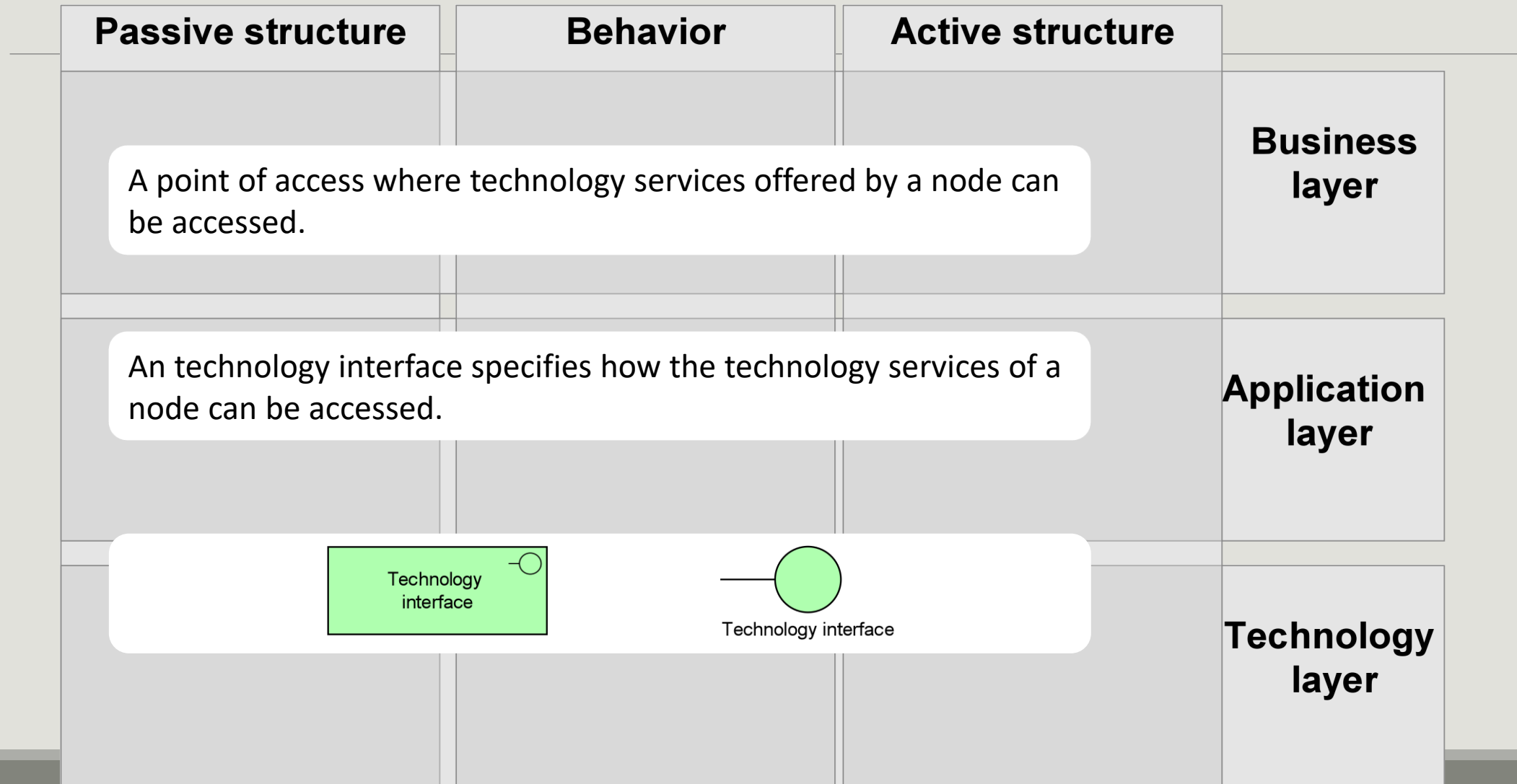
Aplikačná vrstva



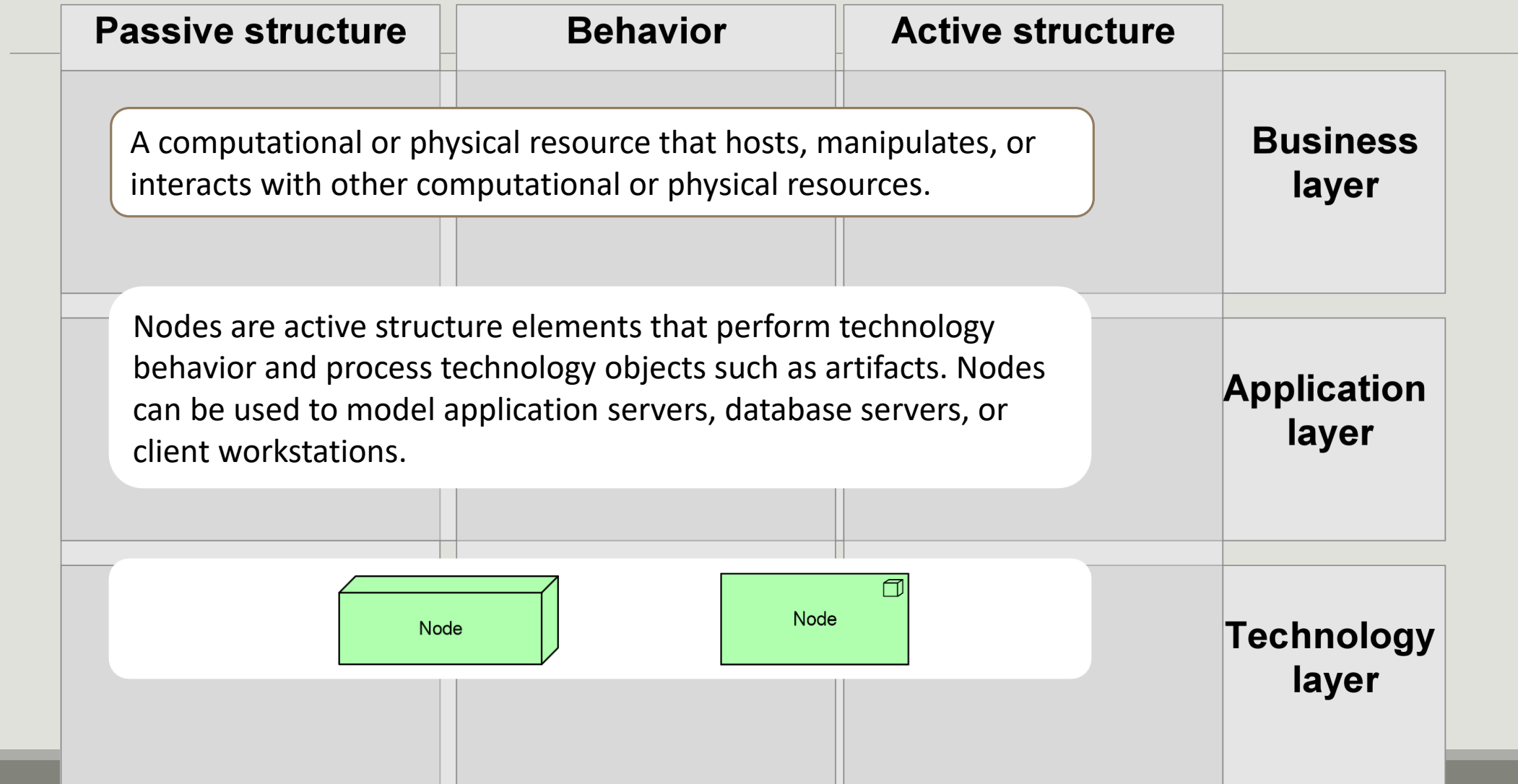
Príklad



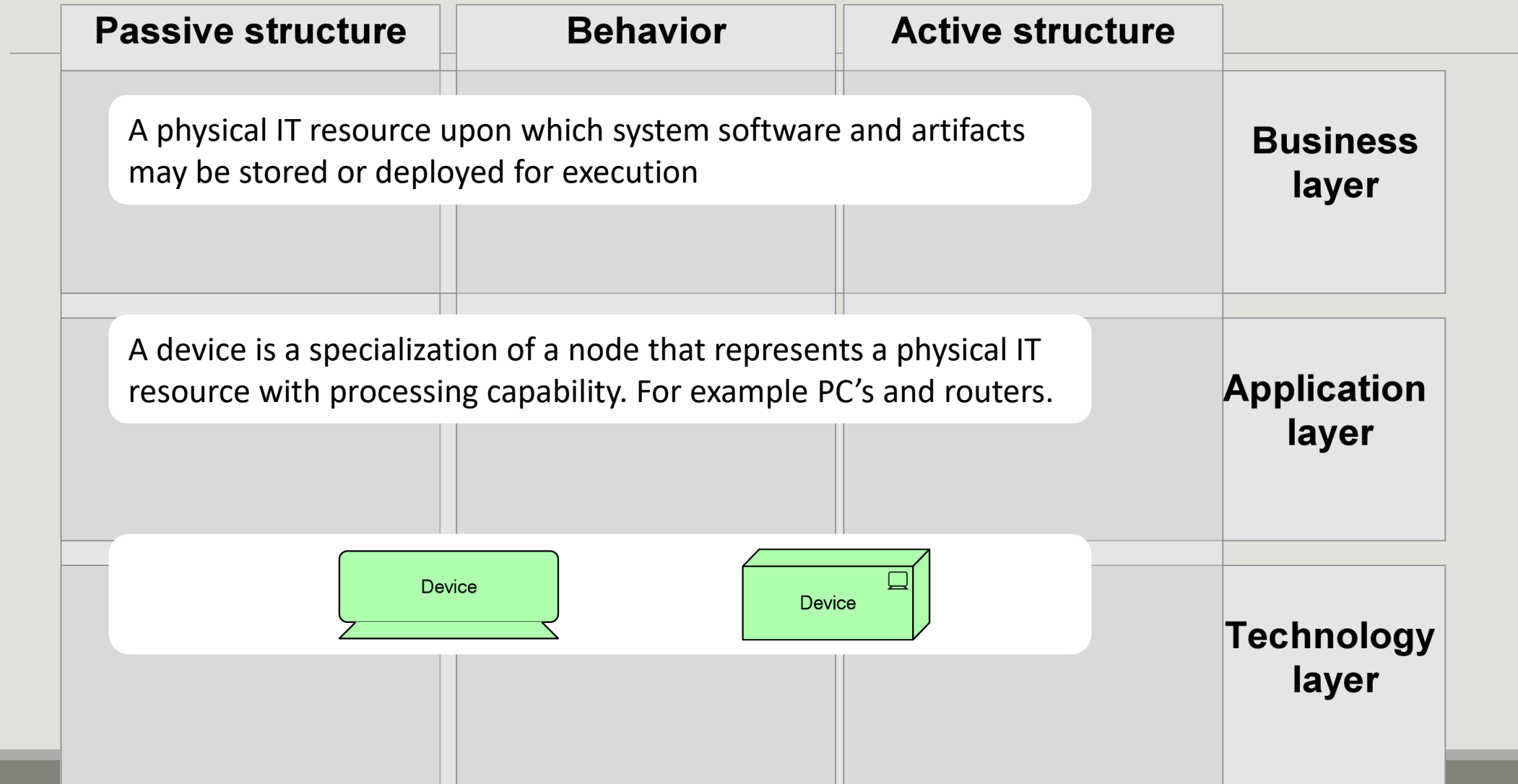
Technology Interface



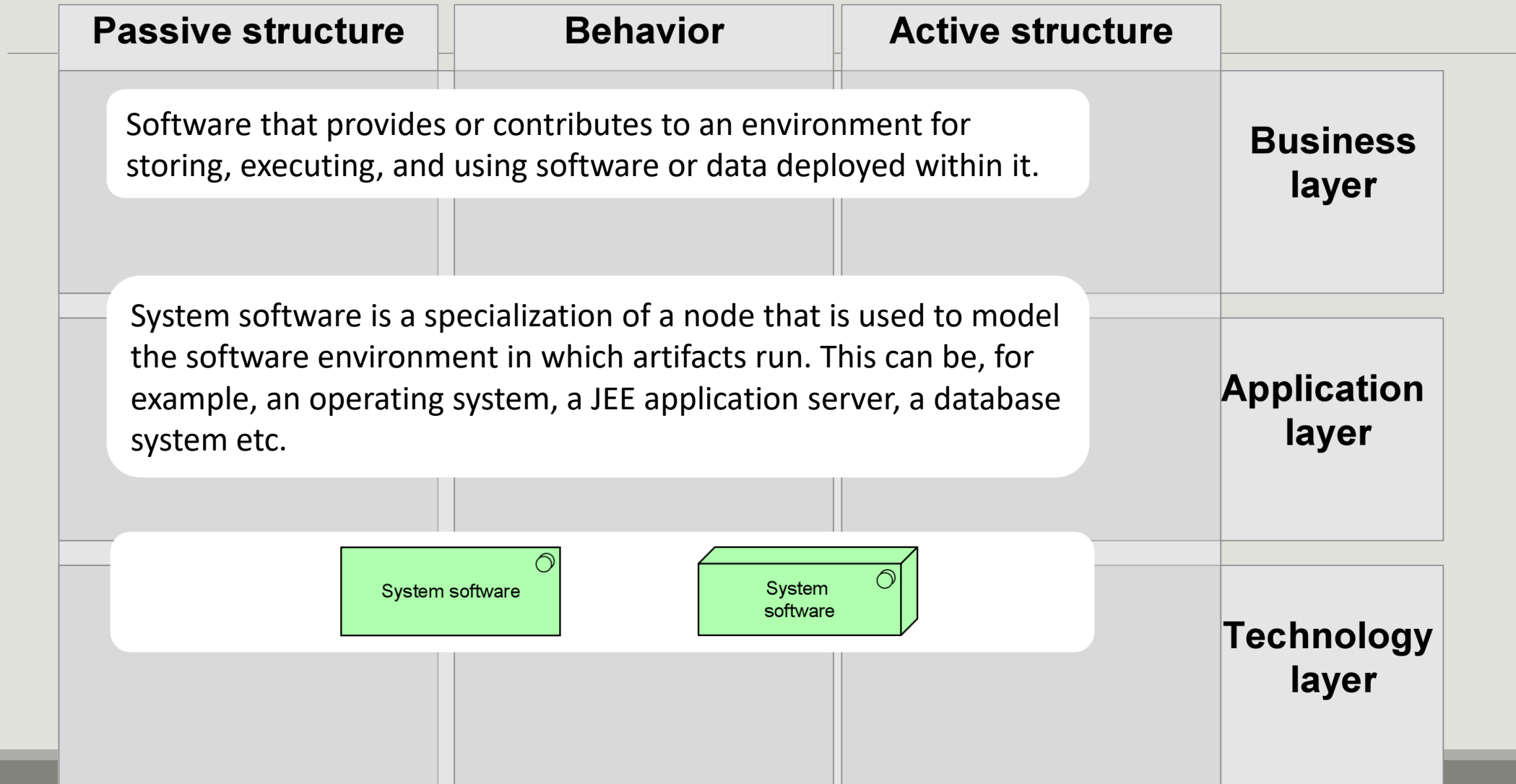
Node



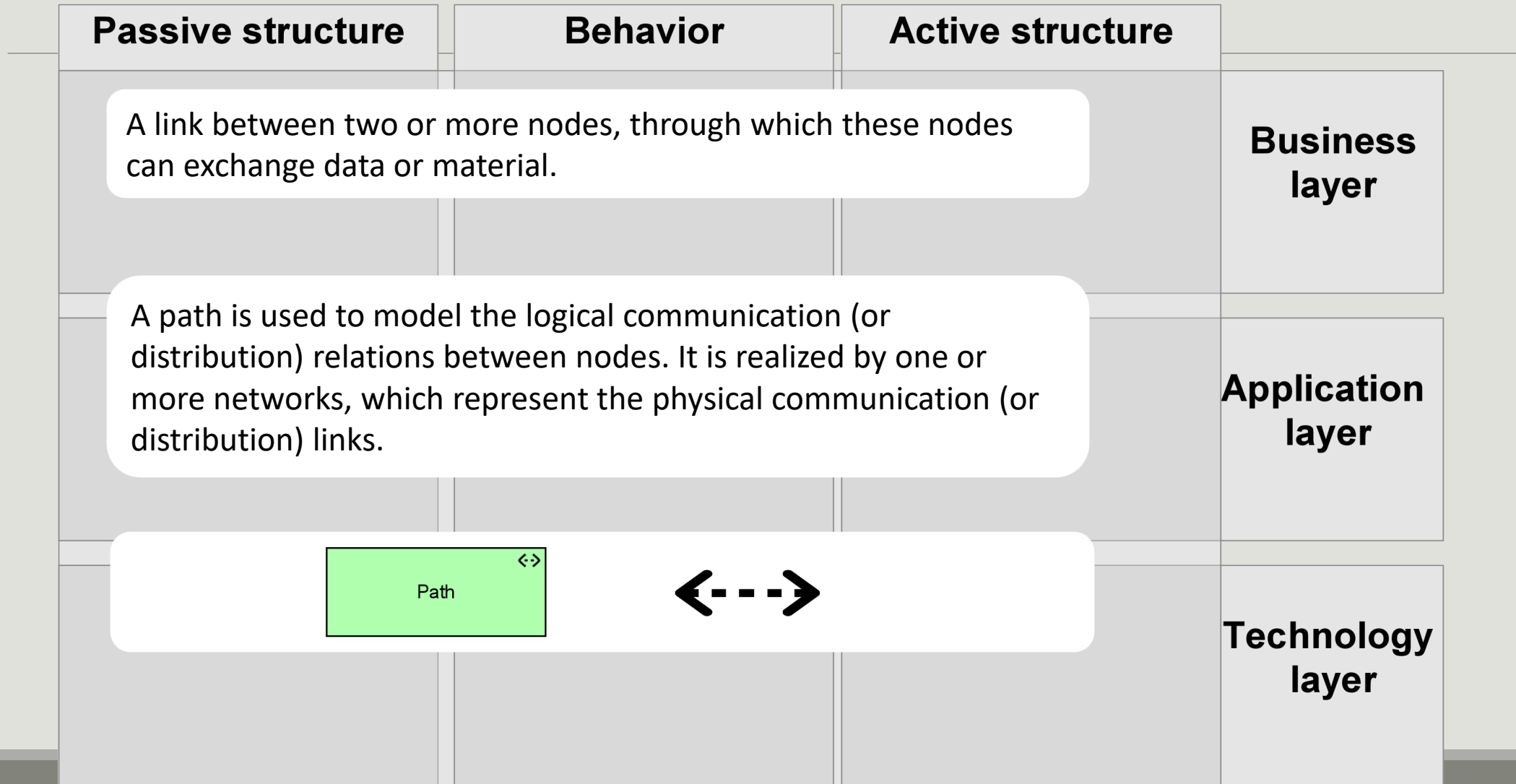
Device



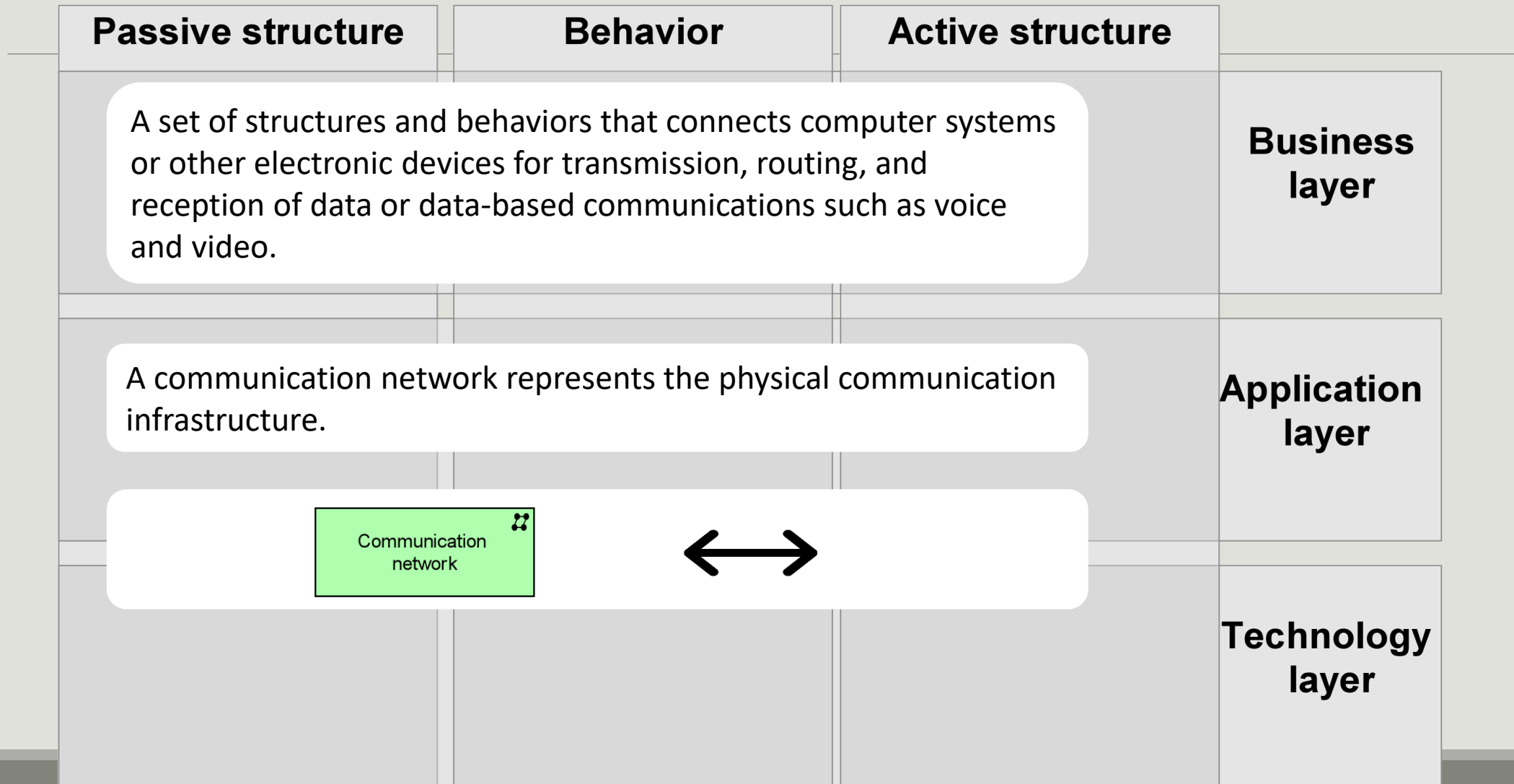
System Software



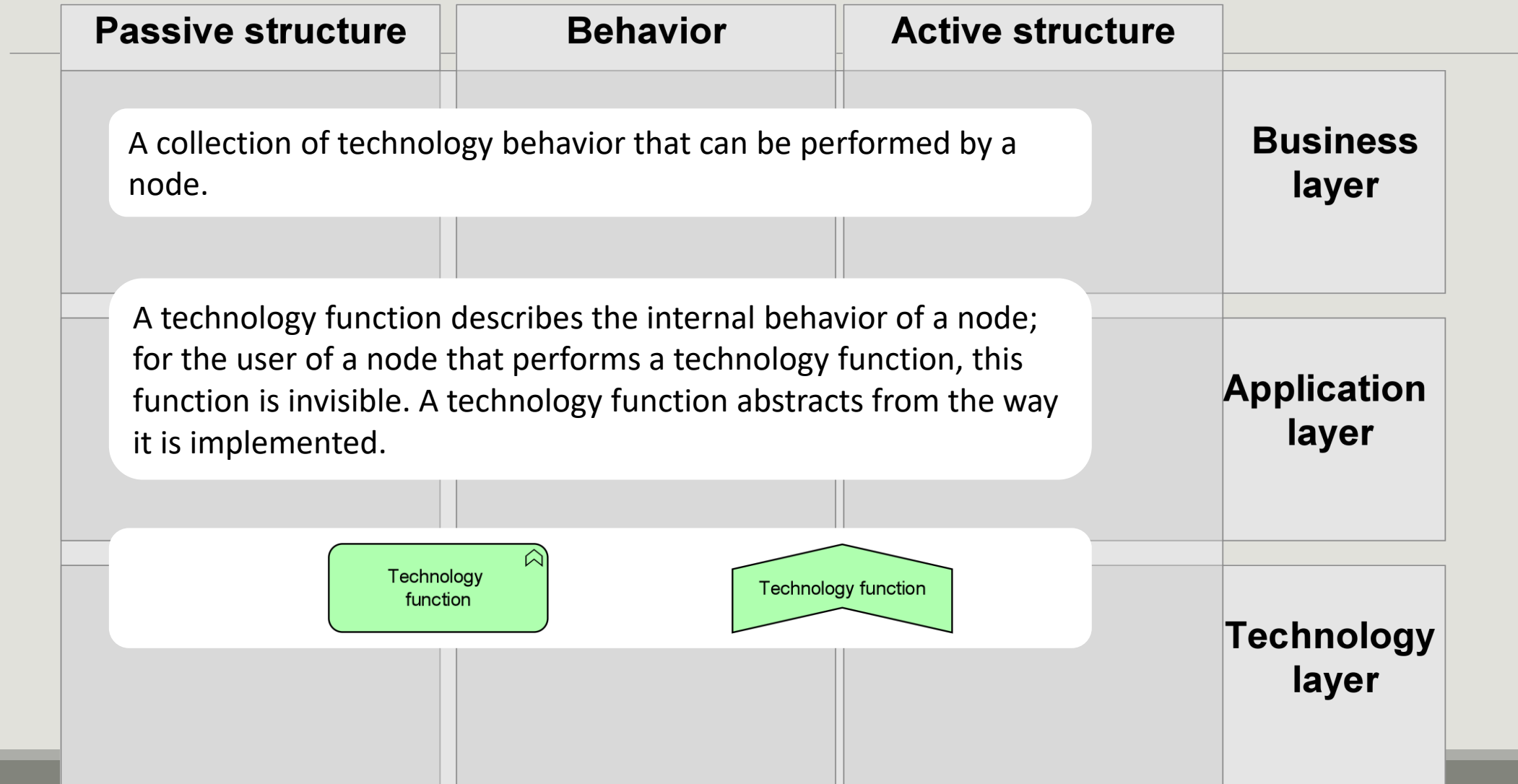
Path



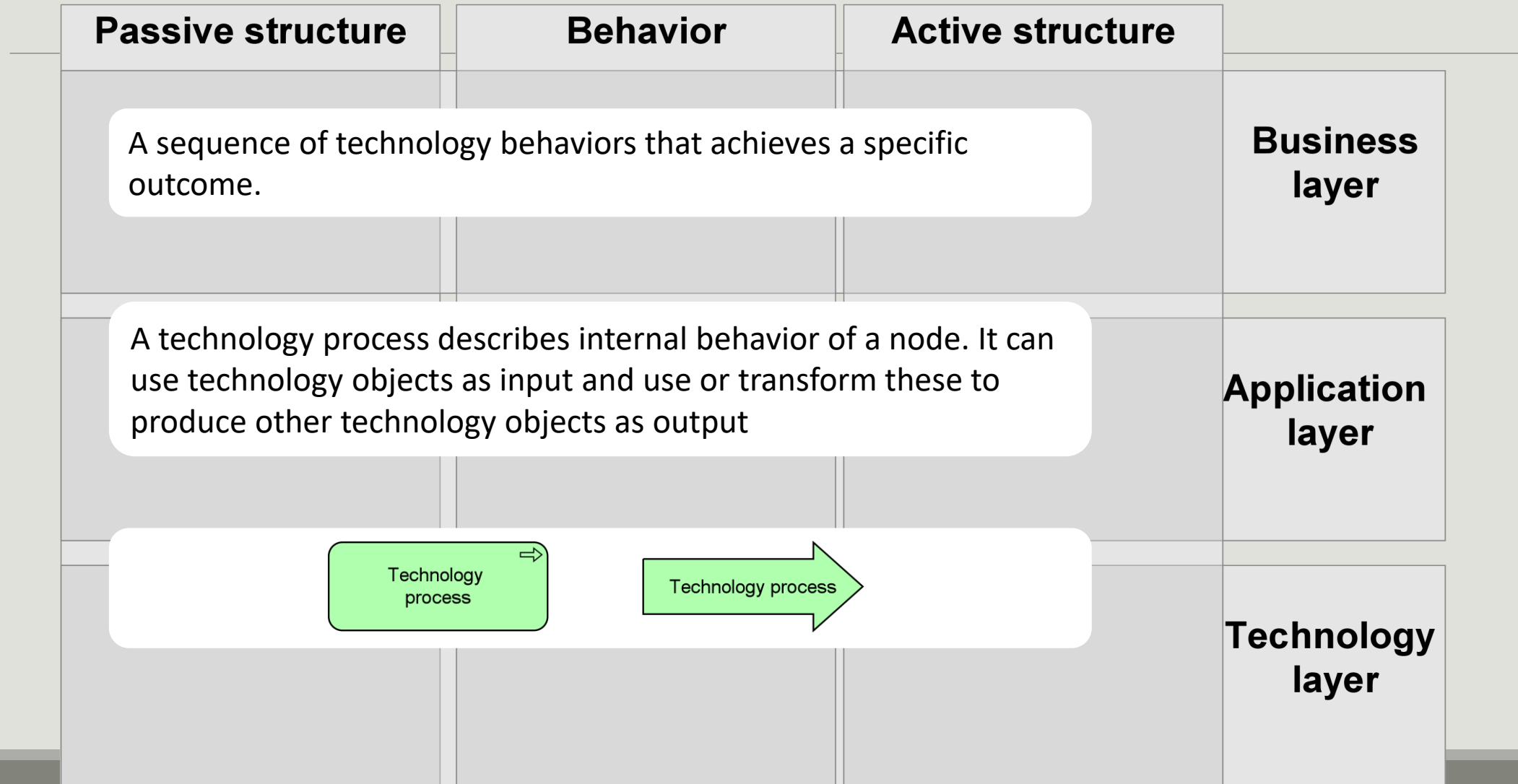
Communication Network



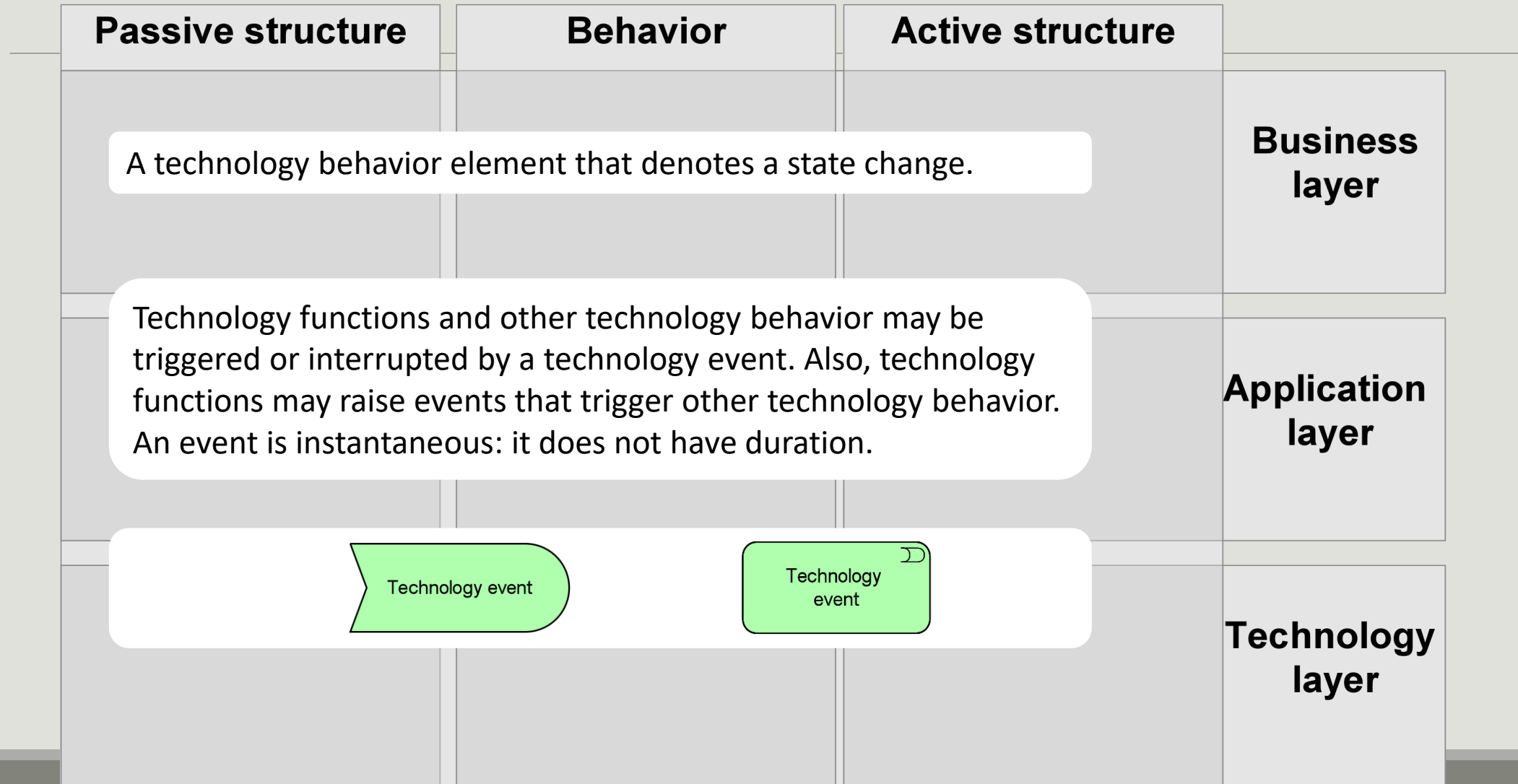
Technology Function



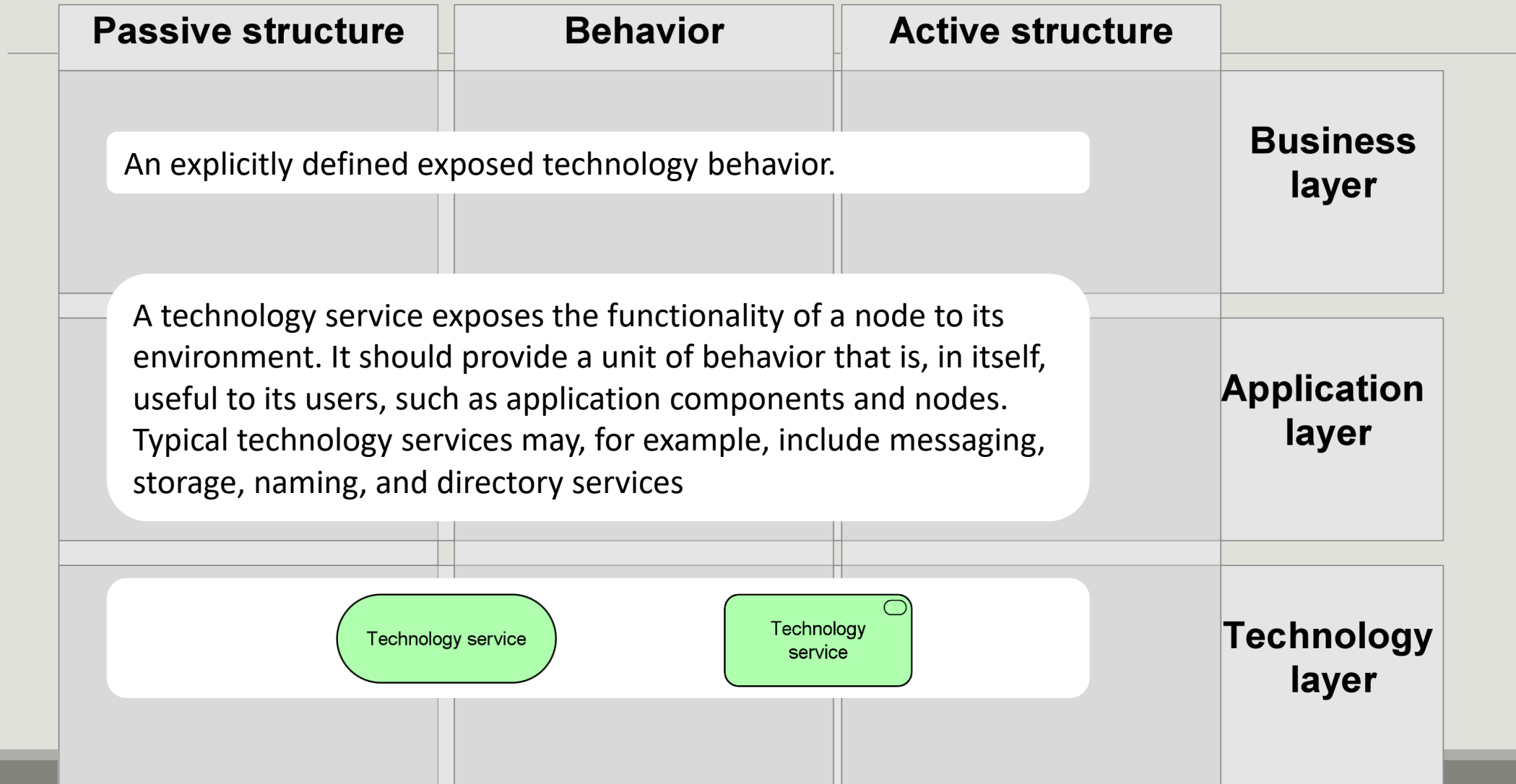
Technology Process



Technology Event



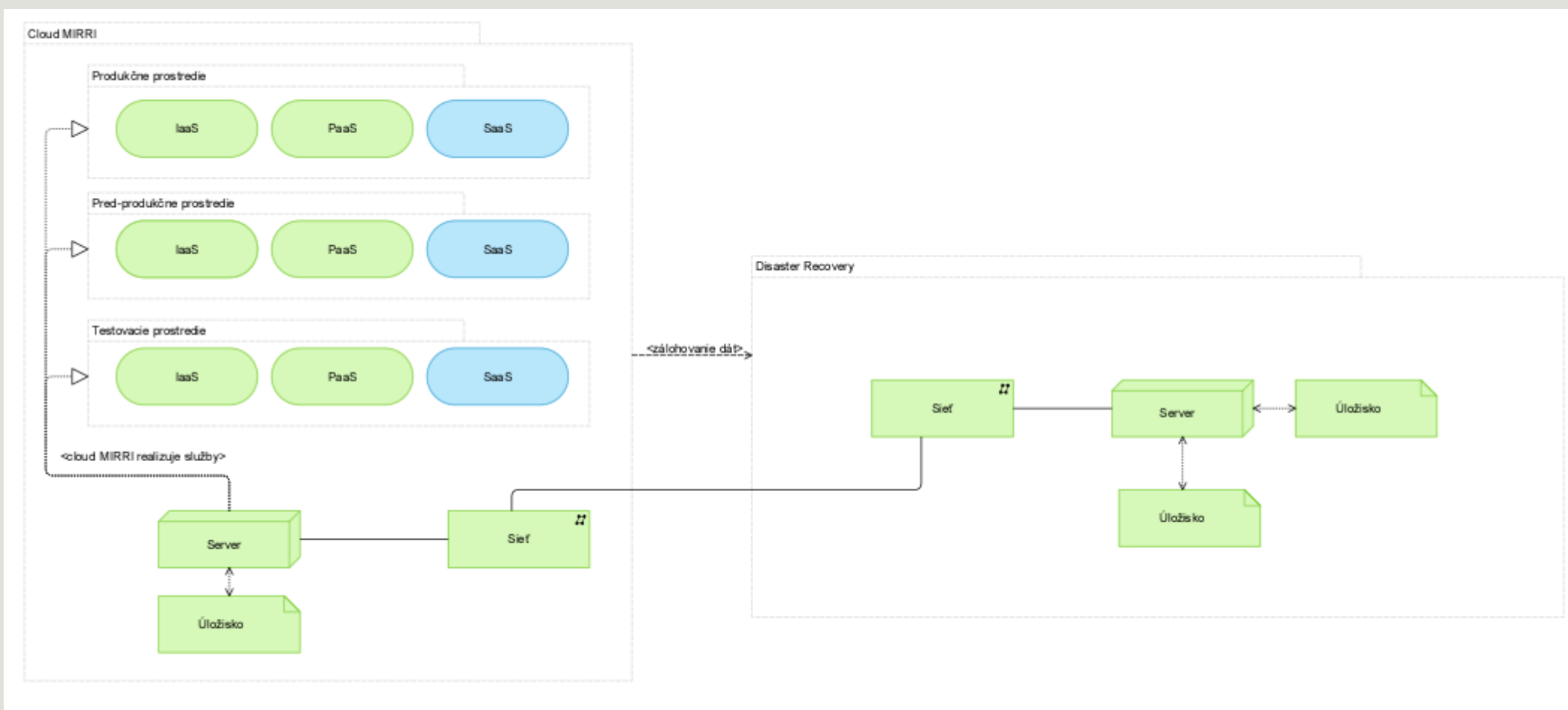
Technology Service



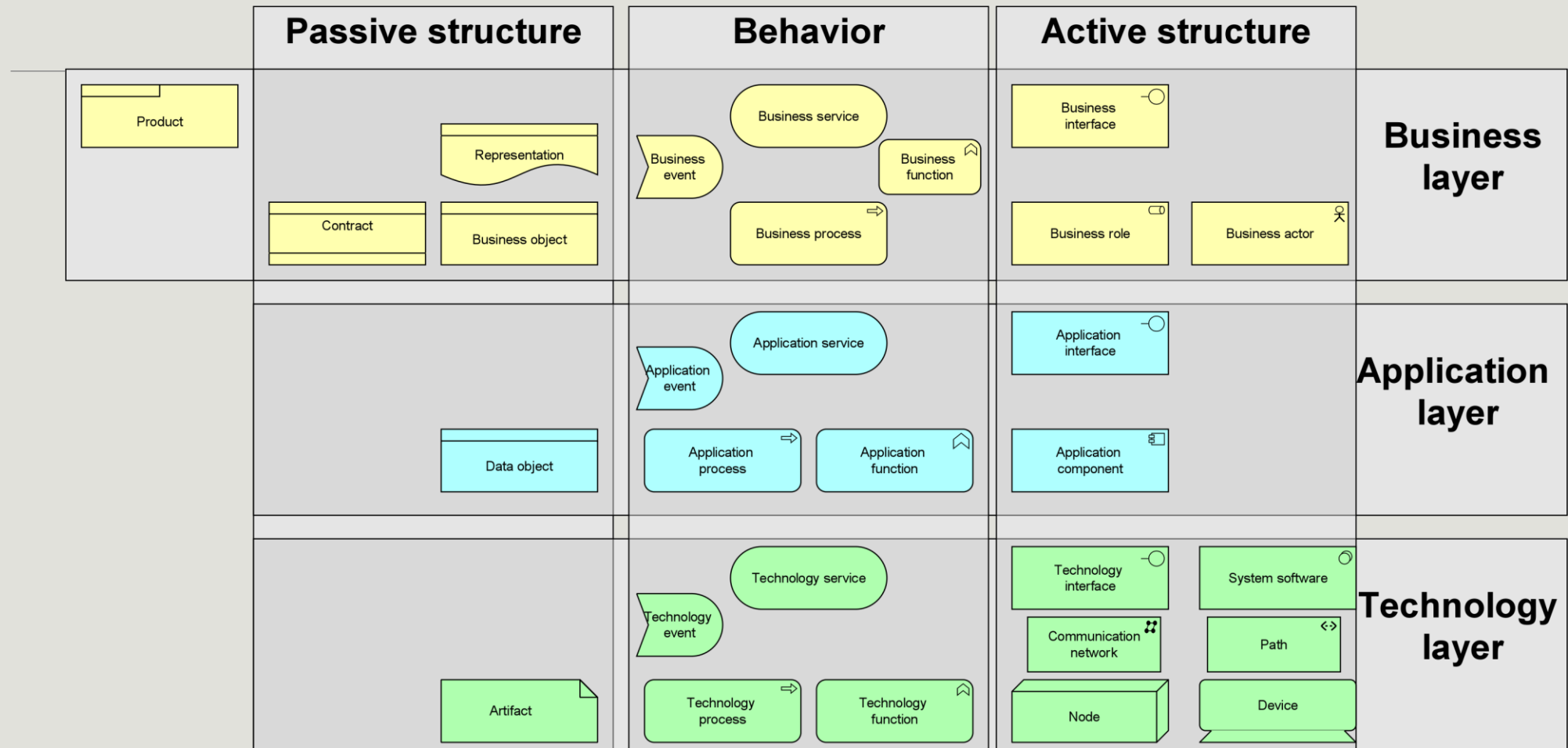
Artifact

Passive structure	Behavior	Active structure	
A physical piece of data that is used or produced in a software development process, or by deployment and operation of an IT system.			Business layer
An artifact represents a tangible element in the IT world. It is typically used to model (software) products such as source files, executables, scripts, database tables, messages, documents, specifications, and model files. An artifact could be used to represent a physical data component that realizes a data object.			Application layer
<div>Artifact</div> <div>Artifact</div>			Technology layer

Príklad



Koncepty jadra



Pozn.: okrem kolaborácie a interakcie