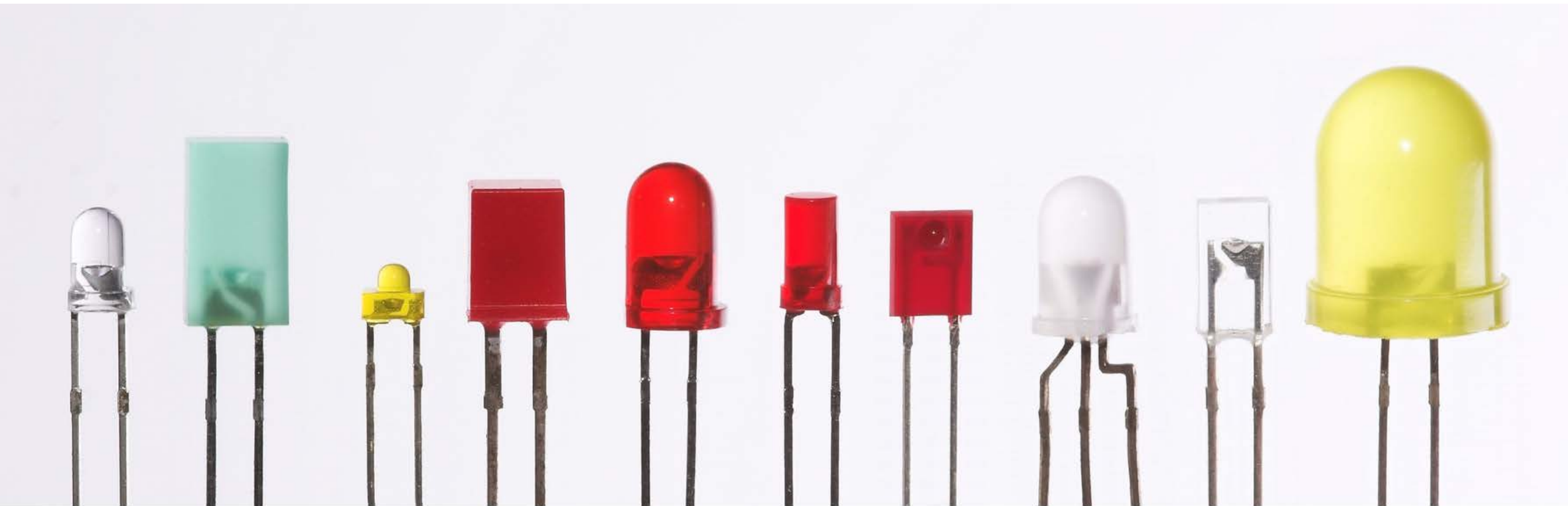


# Architecture Roles in Enterprise



Joseph Anthony

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Enterprises come in all shapes and sizes

Enterprise architecture roles are influenced by what the enterprise does



Enterprise architecture has been around for more than three decades

Enterprises tend to have legacy mindset and processes co-mingled with modern outlooks

An aerial night photograph of a city skyline and a marina. The skyline is filled with numerous skyscrapers, many of which are illuminated with various colors like blue, green, and red. The marina in the foreground is filled with many small boats, likely yachts, and is surrounded by city lights and infrastructure. The overall scene is a vibrant, high-angle view of a modern urban environment at night.

Depending on their scope of work architects work at different levels of abstraction

# Typical Architecture Roles in Enterprise

Strategy Orientation



Enterprise Architect

Business Architect

Segment/ Domain Architect

Solutions Architect

Information Systems Architect

Infrastructure Architect

Other Specialized Architect Roles

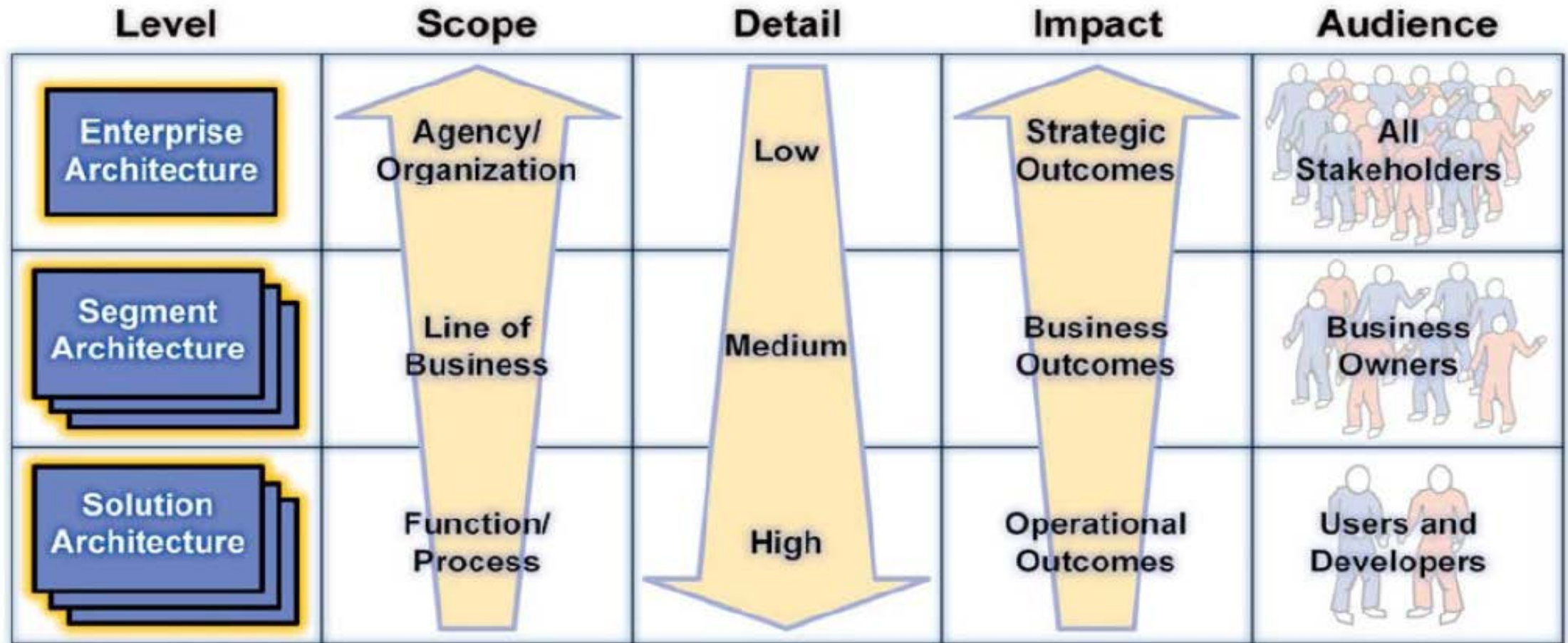
Business  
Focus

Overlap

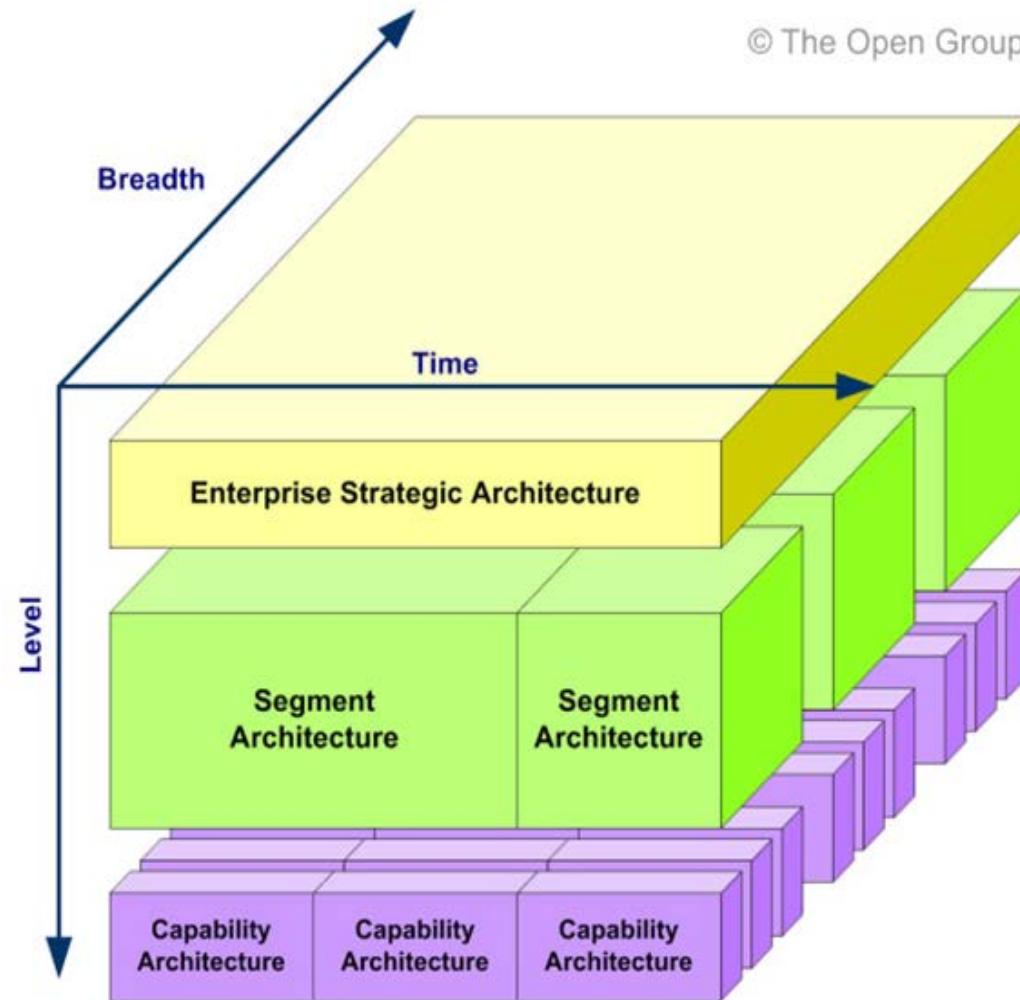
Technology  
Focus

Implementation Orientation

# Enterprise Architecture Roles - FEAF



# Enterprise Architecture Roles - TOGAF



## Focus of this module

Enterprise  
Architect

Solutions  
Architect

Domain or  
Segment  
Architect

Business  
Architect

Information  
Systems  
Architect

Infrastructure  
Architect

Other Arch.  
Roles



## Lets Focus On ...

Enterprise  
Architect

Solutions  
Architect

Domain or  
Segment  
Architect

Business  
Architect

Information  
Systems  
Architect

Infrastructure  
Architect

Other Arch.  
Roles

# Enterprise Architect Role



The level of abstraction the role operates at

The value add, in terms of:

Goals & Tasks

Interactions

Artefacts

# Level of Abstraction

Scope is the entire enterprise

Business  
Technology capabilities  
Other capabilities  
Operations  
Value chains  
External entities

Enterprise-wide

Mission  
Values  
Vision  
Strategy

Comprehends the enterprise

Business models  
Operating models  
Capabilities, processes, value chains  
& value streams  
Organizational structure  
Portfolios of initiatives  
How they overlap & interconnect

EA

Architecture principles

Patterns & anti-patterns

Good & best practices

Current and target states

# How Does the EA Role Add Value?

# Goals



- Inform/ Influence and support strategy formulation
- Architecture vision for the target state
- Capture the current state of the enterprise's architecture
- Formulate and evolve high-level architecture roadmap
- Architectural agility through agile processes and building blocks
- Business and technology innovations

# Interacts With ...



CXOs, heads of business units  
Domain/ Subject-matter experts  
Segment, solution, business, applications, data, technology, security architects  
Vendors and service providers  
Partners and customers  
Industry bodies and regulatory authorities

# Artefacts



Architecture is not all about artefacts

Artefacts aids and supports but do not substitute interaction and communication  
Uses a variety of artefacts as appropriate and relevant for the consumers, not limited to

**Capability, strategy, process and organization maps**

**Architectural vision, baseline and target state architectures and architecture roadmaps**

**Reference architectures, standards, principles, policies and process guidelines**



## Lets Focus On ...

Enterprise  
Architect

Solutions  
Architect

Domain or  
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Architect

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Architect

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Systems  
Architect

Infrastructure  
Architect

Other Arch.  
Roles

# Solutions Architect Role



The level of abstraction the role operates at

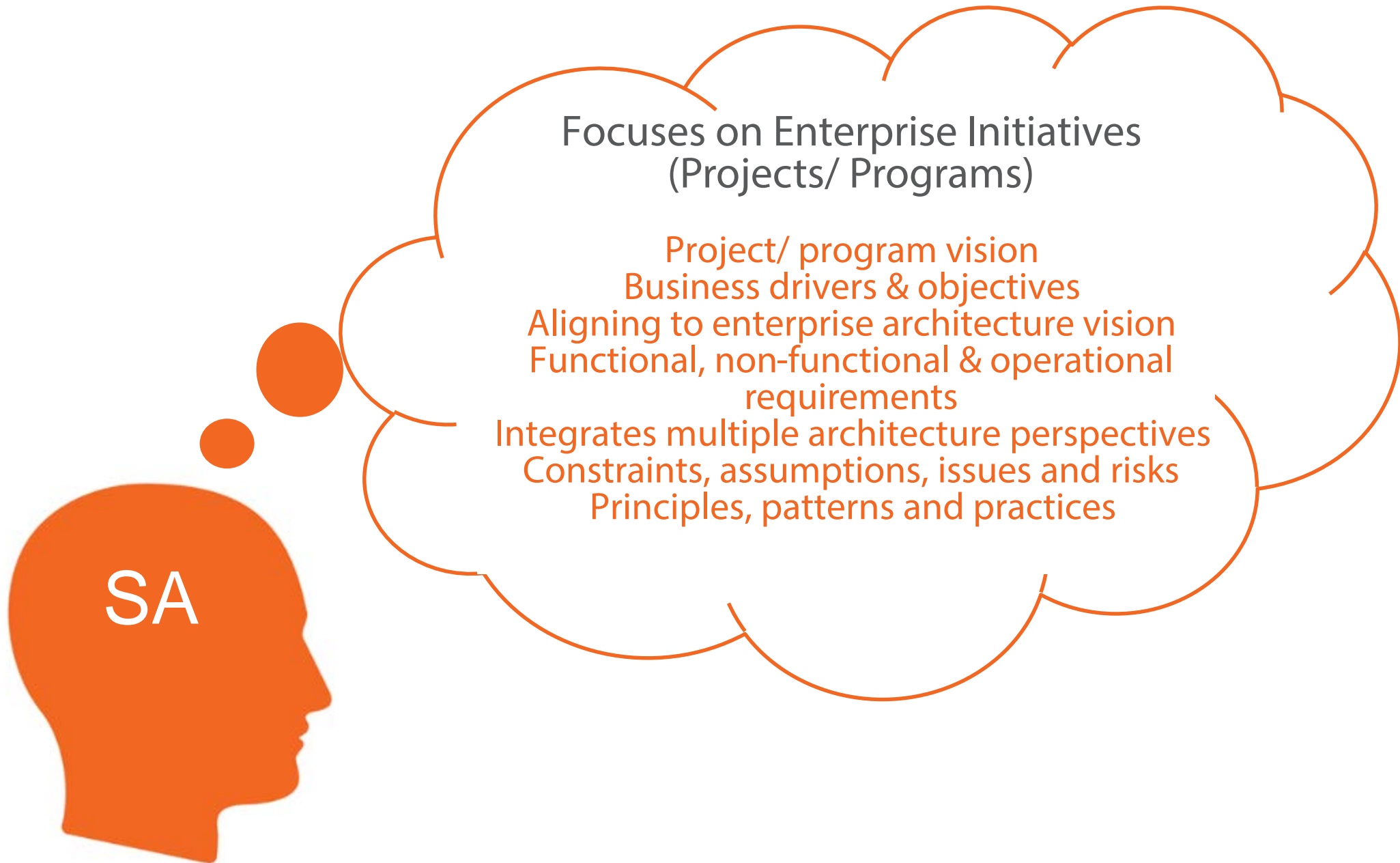
The value the role brings to the table

Goals & Tasks

Interactions

Artefacts

# Level of Abstraction



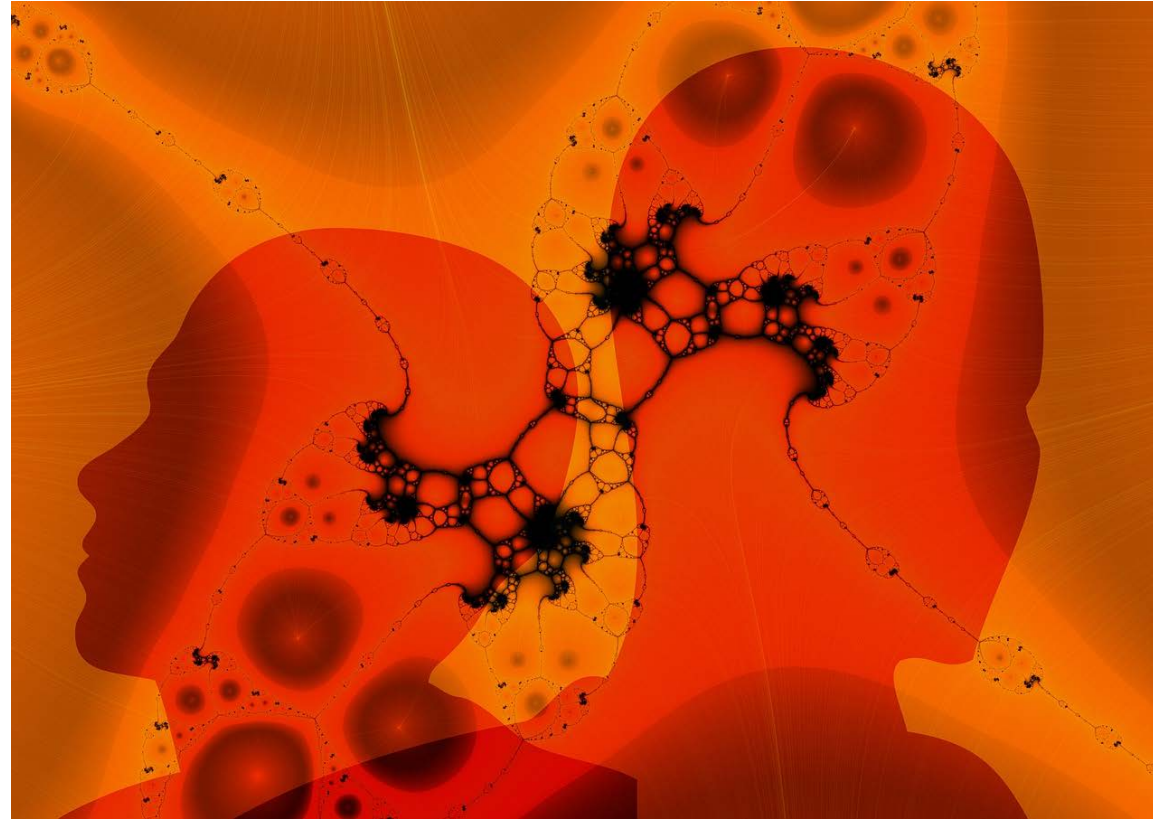
# How Does the SA Role Add Value?

# Goals



- Create effective solutions at the project and program level
  - Meets business objectives set for the program
- Aligning solution architecture to enterprise and domain architecture
  - Architectural governance at the initiative level
- Solicits and incorporates multiple architectural perspectives

# Interacts With ...



Business stakeholders and domain experts  
Enterprise and segment/ domain architects  
Project, Program and Release management

Business analysts, customer experience specialists, developers, tech. leads, testers  
and other architects (from domains such as infrastructure, security, application,  
data etc.)

Vendors, partners, service providers and customers

# Artefacts



Creates solution concepts  
Early and high-level estimates  
High-level baseline architecture view of the solution



## Lets Focus On ...

Enterprise  
Architect

Solutions  
Architect

Domain or  
Segment  
Architect

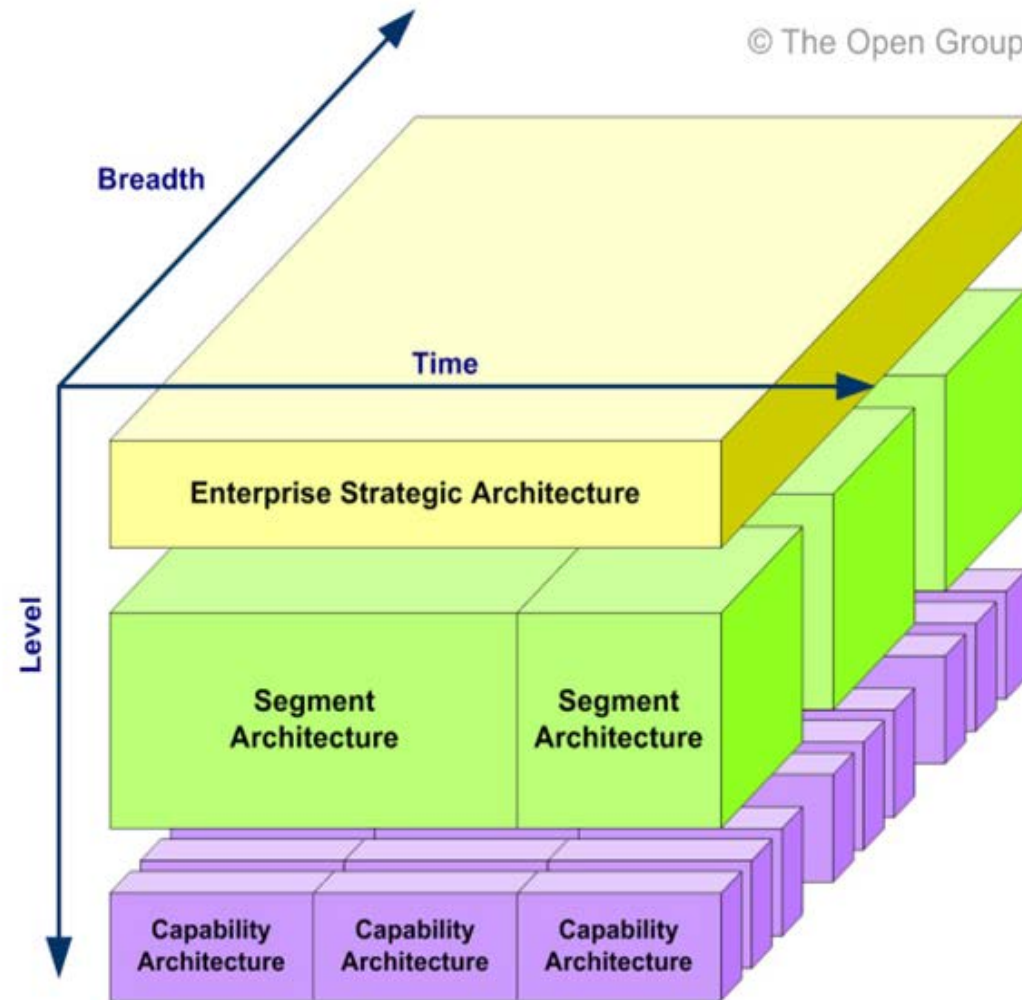
Business  
Architect

Information  
Systems  
Architect

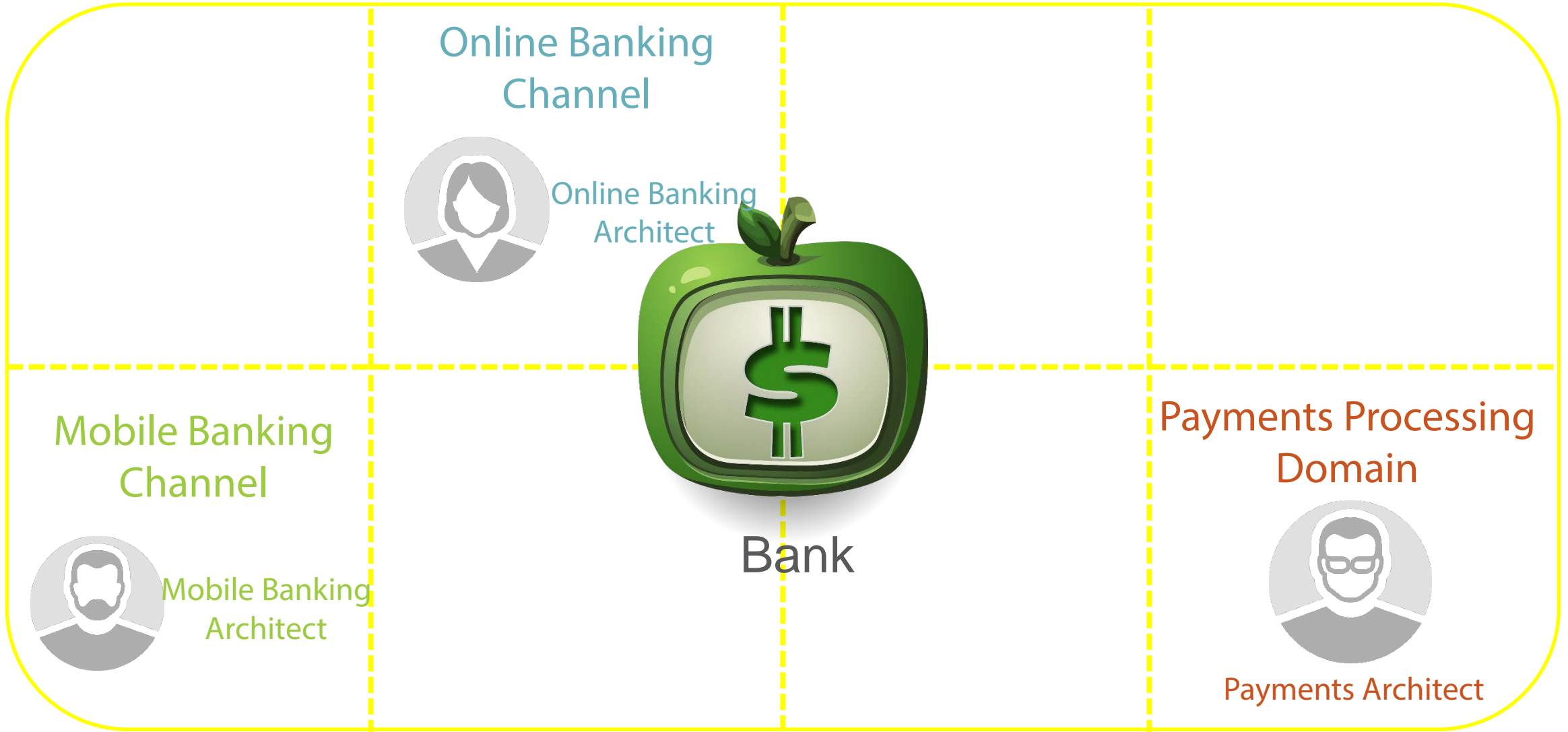
Infrastructure  
Architect

Other Arch.  
Roles

# Segment or Domain Architect ?



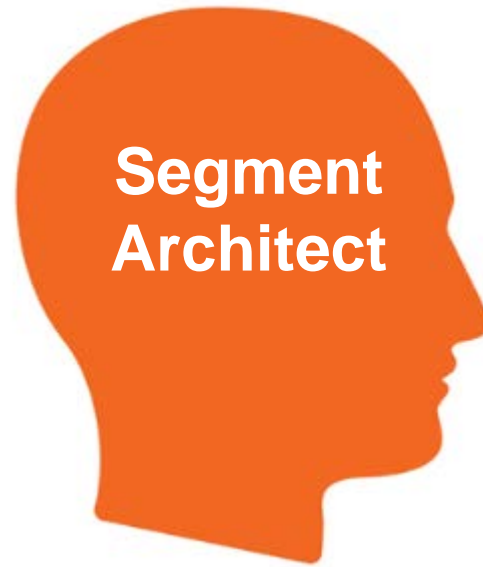
# Consider a Large Bank...



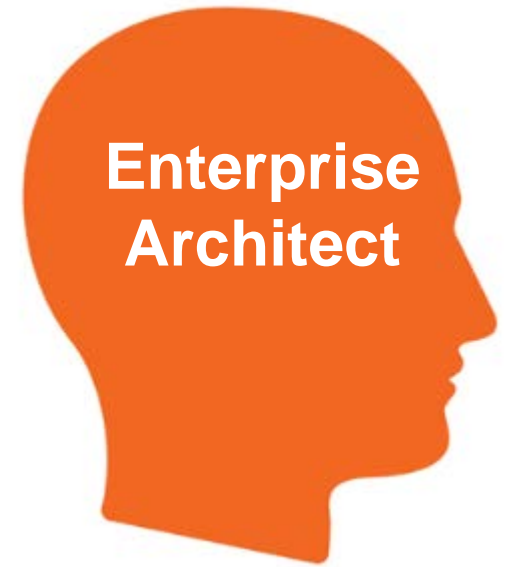
# Segment Architect Role



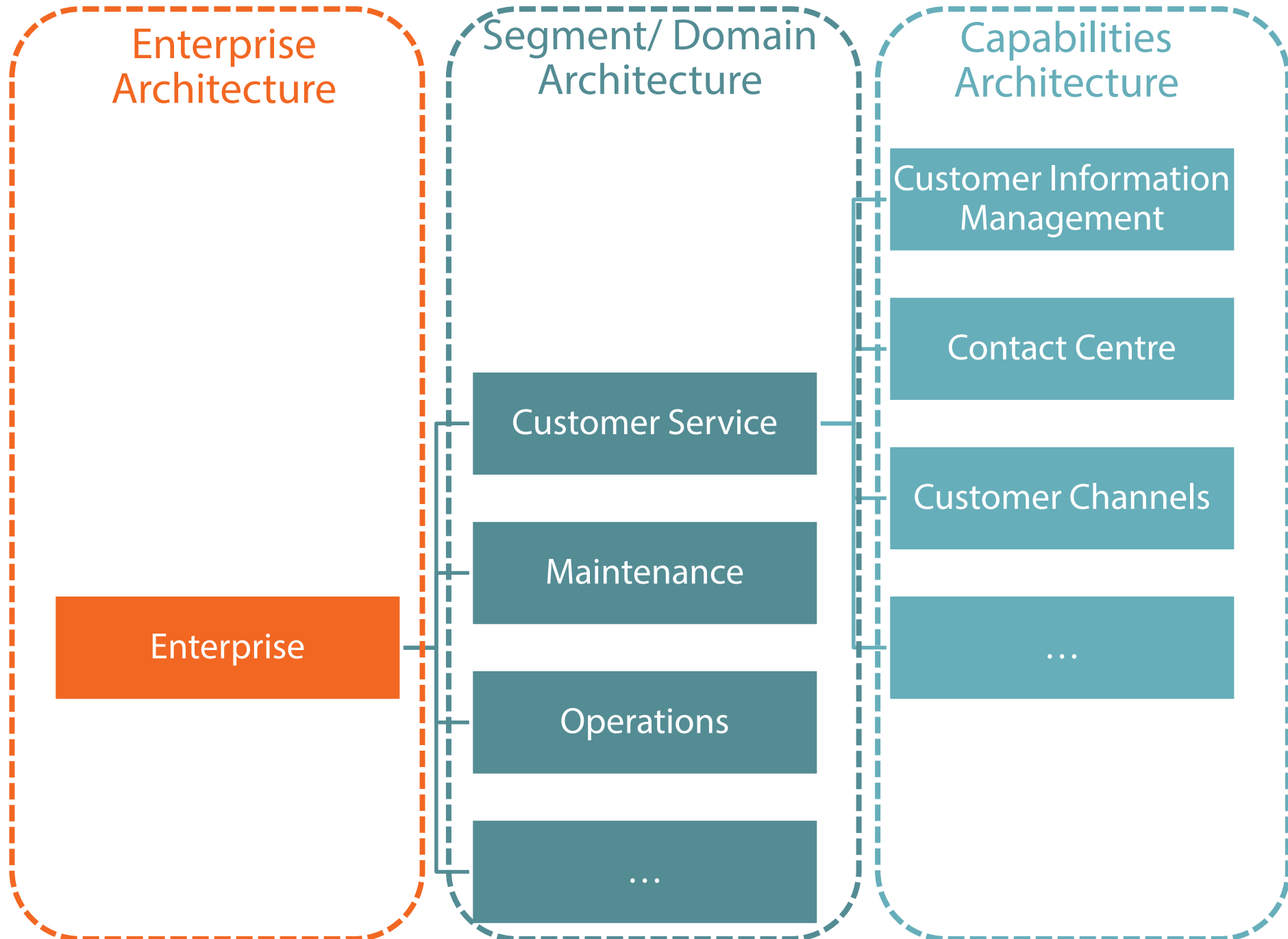
Focuses on one or more specific enterprise initiatives



Focus spans an entire segment or domain, usually spanning multiple capabilities



Focus spans the entire enterprise



## Lets Focus On ...

Enterprise  
Architect

Solutions  
Architect

Domain or  
Segment  
Architect

Business  
Architect

Information  
Systems  
Architect

Infrastructure  
Architect

Other Arch.  
Roles

# Business Architect Role



Strategic business role

Enterprise-wide scope focusing on business domains

Business insights without the distractions of technology

Business architect's work impact

Business operating model

Strategy development

Capabilities

Processes

Value Streams etc.





Rolling out strategic changes

Mergers and acquisitions

New products/ services

Globalization

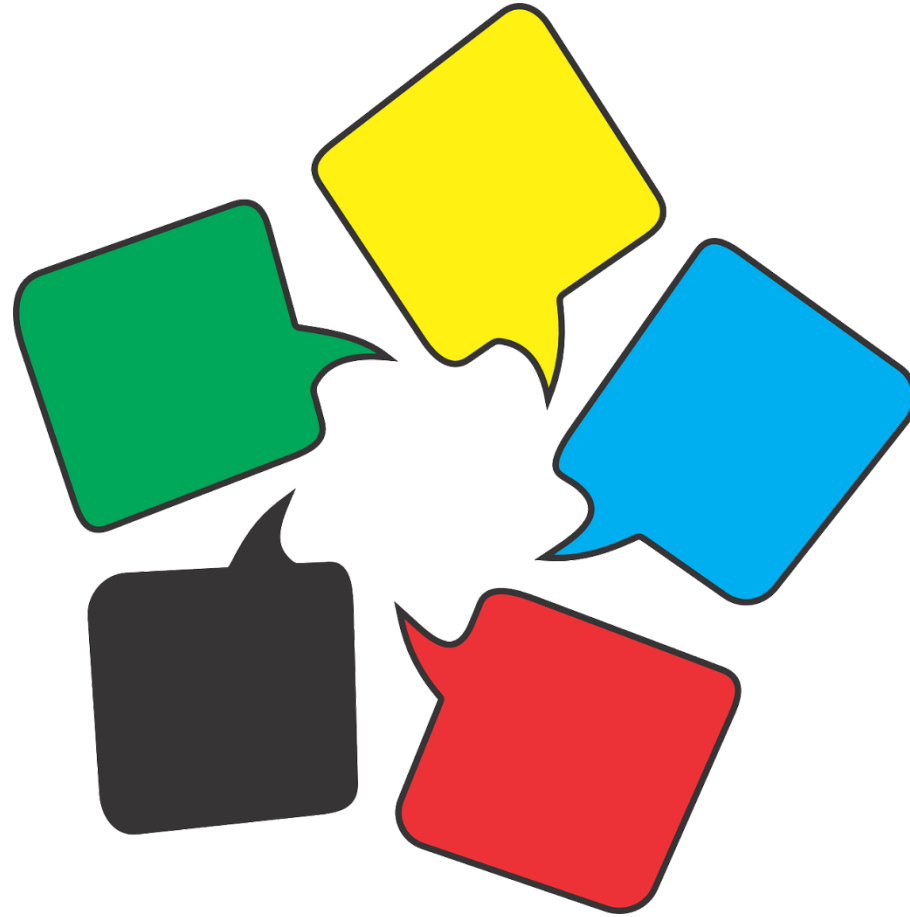
Operational streamlining

Regulatory compliance

Outsourcing



# Interacts With ...



Senior executives and enterprise architects

Business unit leads

Subject matter experts, business analysts and domain architects

# Artefacts



Business architecture blueprint

Strategy map

Capabilities map

Value map

Initiatives map

Organization map

Services map

Business operating models

## Lets Focus On ...

Enterprise  
Architect

Solutions  
Architect

Domain or  
Segment  
Architect

Business  
Architect

Information  
Systems  
Architect

Infrastructure  
Architect

Other Arch.  
Roles

# Twin Responsibilities



Information Systems Architect  
has twin responsibilities:

Enterprise Applications Architecture

Enterprise Information Architecture

Roles are often split along these  
lines

# Applications Architect Role



Applications are software instantiation of business capabilities and processes

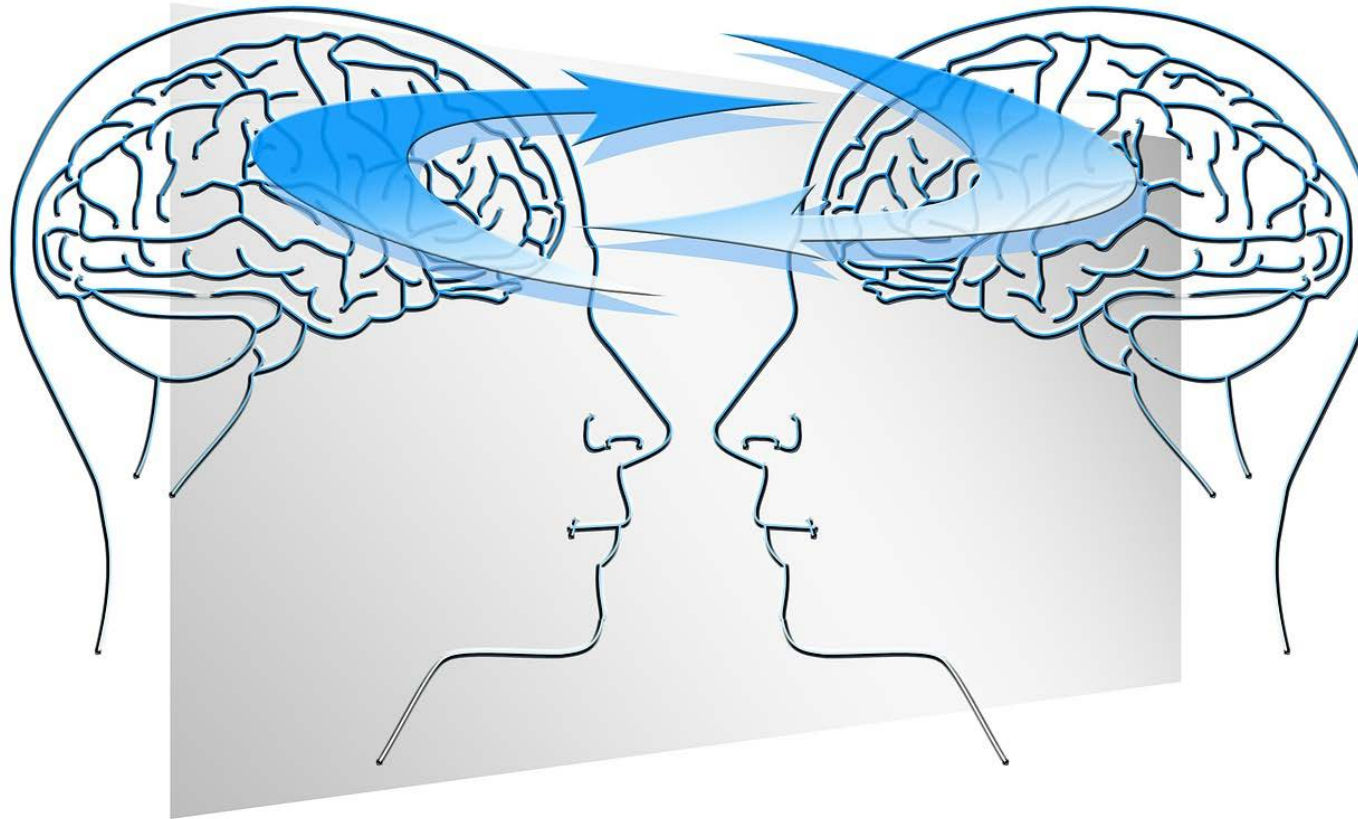
Focuses on the overall applications strategy

Aims to achieve consistency and interoperability across the portfolio

Responsible for creating and evolving reference architecture

Applications architect shepherds and evolves enterprise APIs

# Interacts With ...



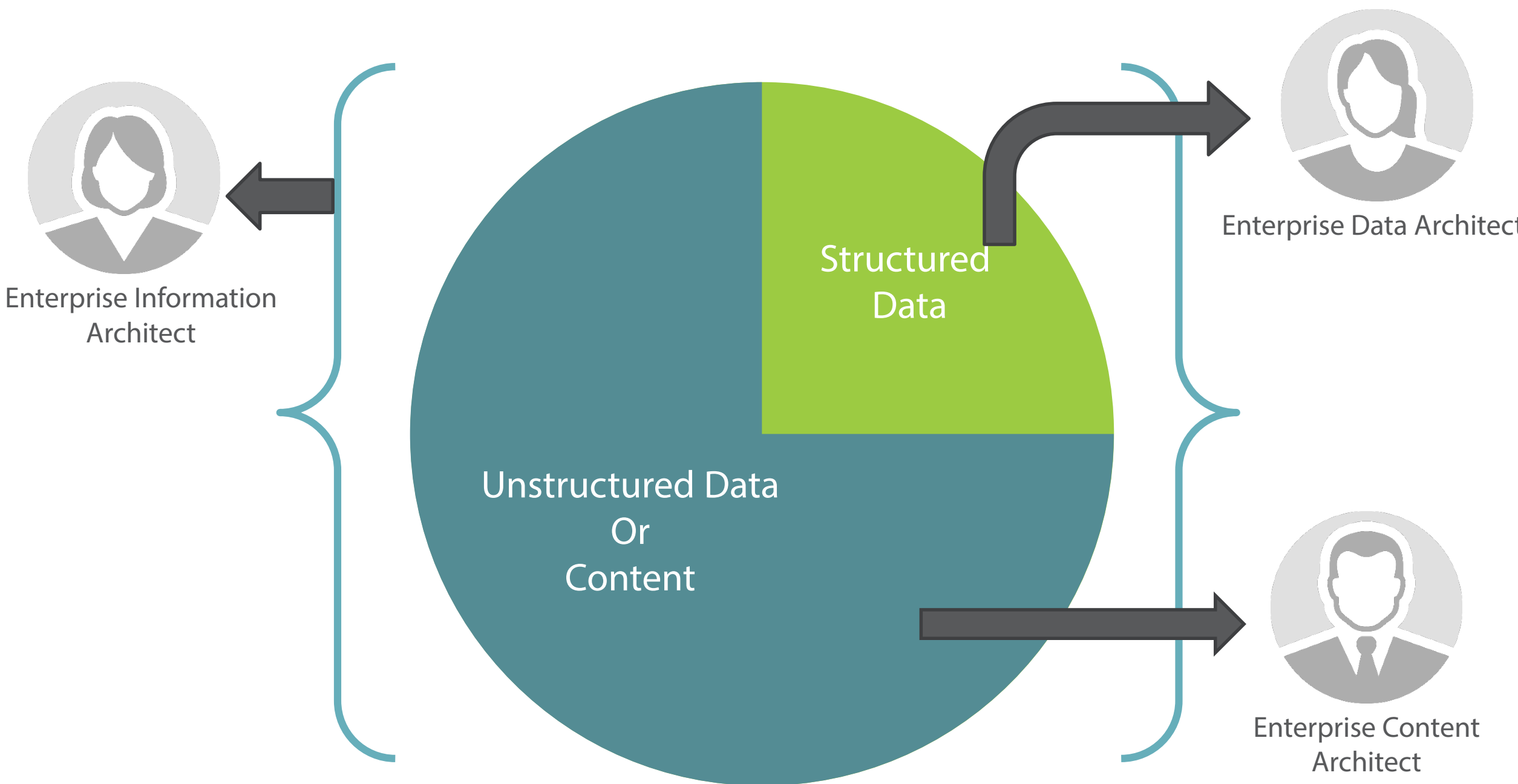
Technical stakeholders of various initiatives  
Architects from other architecture and business domains

# Enterprise Information Architect



Information powers the enterprise software

The role is responsible for strategic management  
and use of enterprise information assets





## Enterprise Information Architect

Focuses on data/ content usage concerns across applications portfolio

Seeks to unlock information assets of the enterprise

Helps the enterprise to stay on top of their data/ information needs

Actively maintains the inventory of data

Model and architect information



# Interacts With ...



Enterprise applications architect

Architects from other domains such as infrastructure, business etc.

Technical and business stakeholders of initiatives as required

# Artefacts ...



Enterprise information standards  
Taxonomies  
Metadata frameworks



## Lets Focus On ...

Enterprise  
Architect

Solutions  
Architect

Domain or  
Segment  
Architect

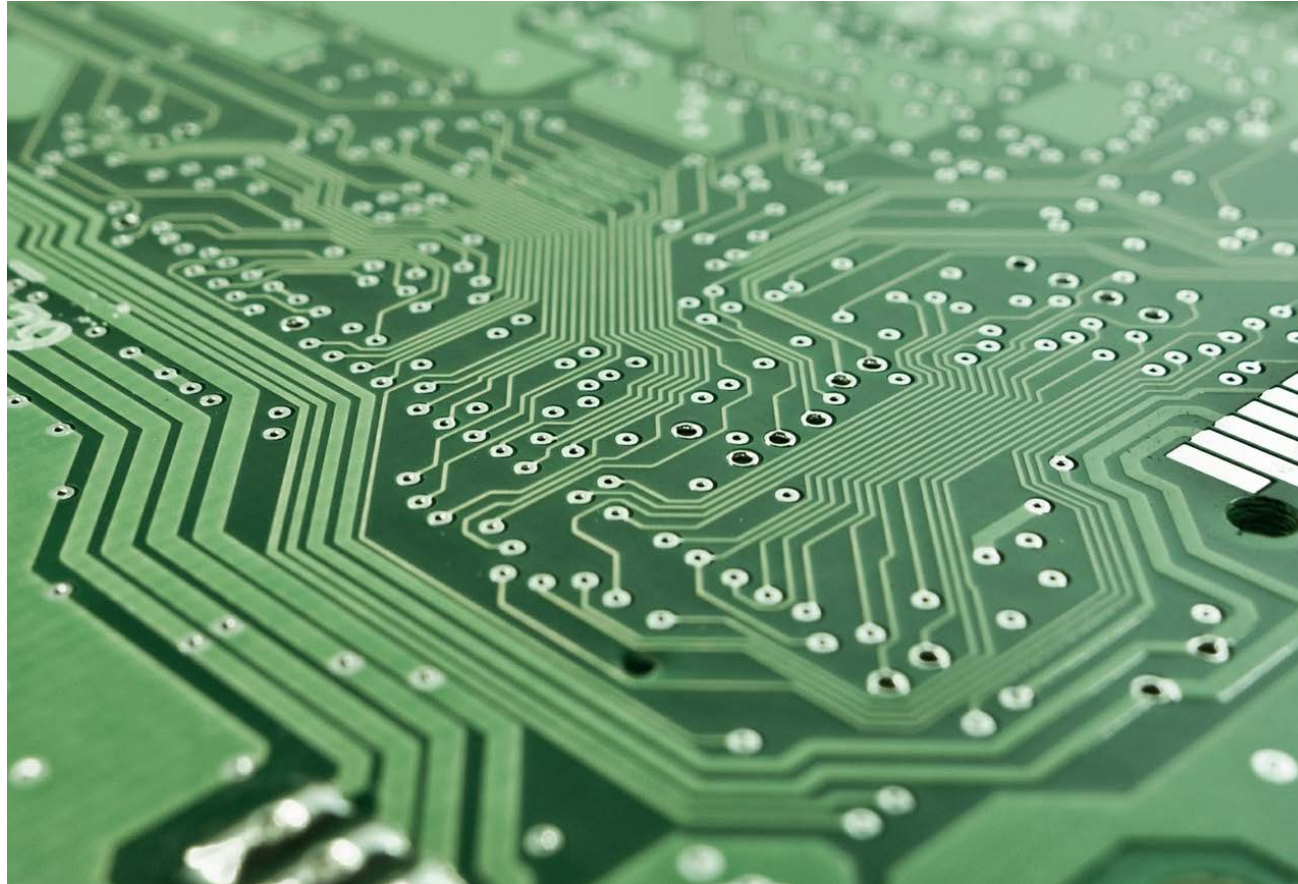
Business  
Architect

Information  
Systems  
Architect

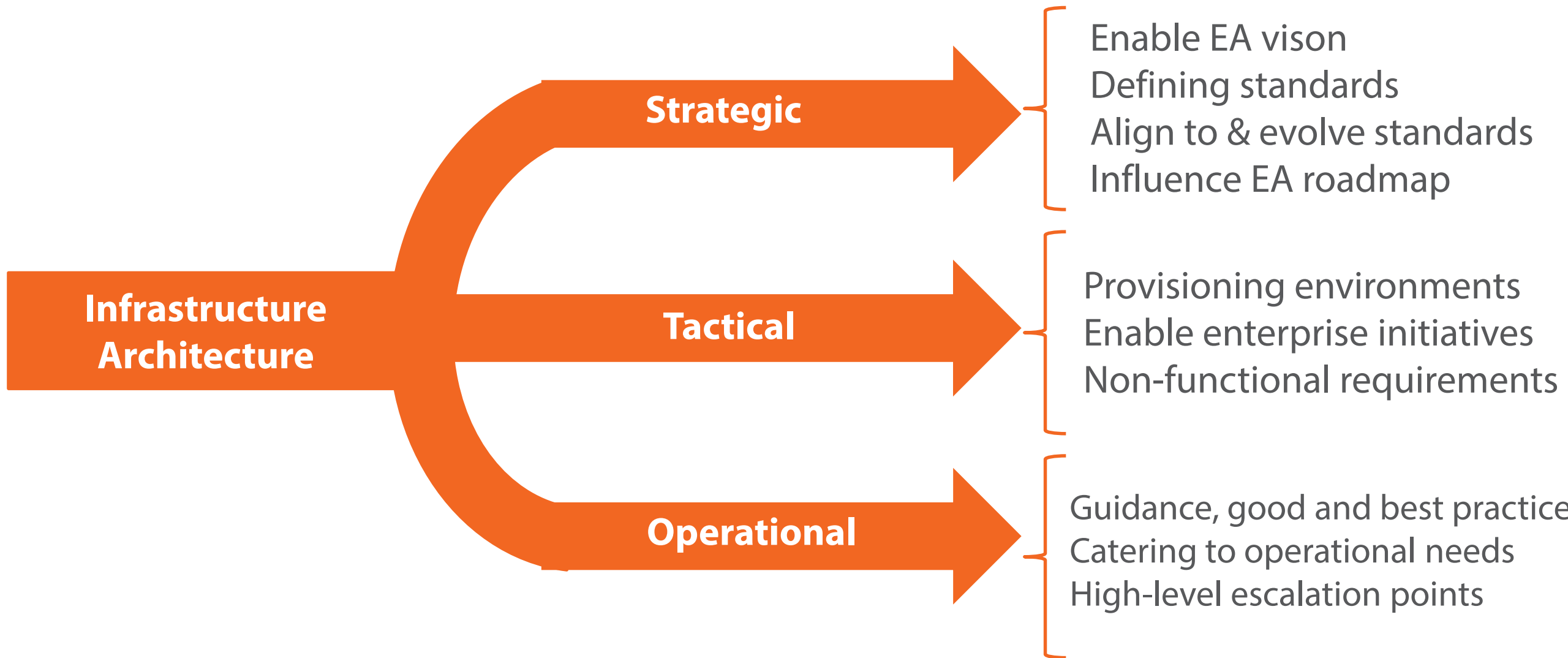
Infrastructure  
Architect

Other Arch.  
Roles

# Infrastructure Architect



To architect a stable and adaptable architecture  
To drive standardization and thereby reduce complexity across the  
building blocks



## Lets Focus On ...

Enterprise  
Architect

Solutions  
Architect

Domain or  
Segment  
Architect

Business  
Architect

Information  
Systems  
Architect

Infrastructure  
Architect

Other Arch.  
Roles





## Newer Technology Domains

Mobility  
Cloud  
Unified Communication  
Enterprise Social  
Wearables  
Internet of Things  
Telematics  
Robotics

## Key Drivers

Greater Customer centricity  
Operational excellence  
Business innovations  
Expanded marketplace  
Expanded products and services



To Sum Up ...

