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Version 9.1 Enterprise Edition

Module 29
Architecture Partitioning

THE Open GROUP

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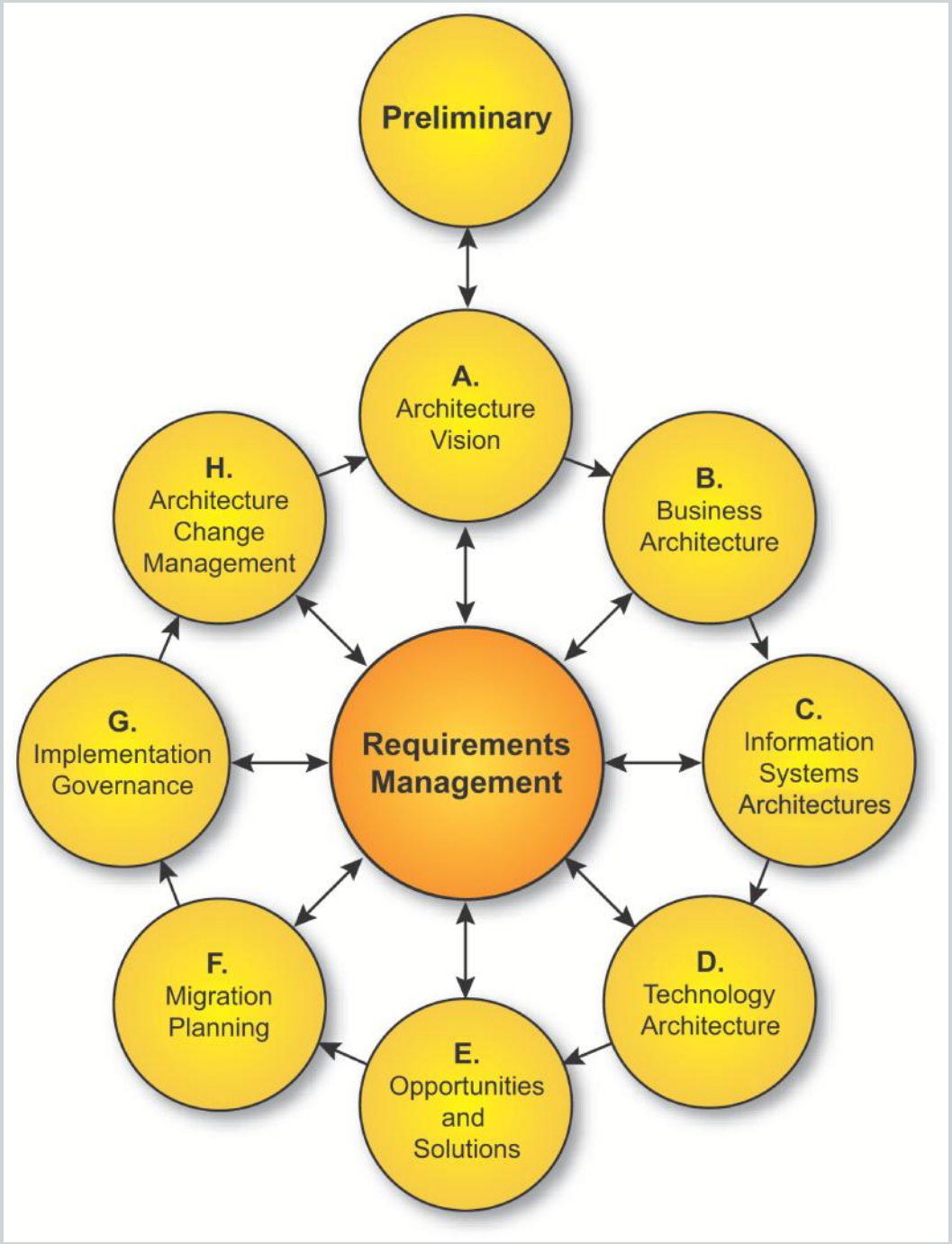

Architecture Partitioning

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Module Objectives

The objectives of this module are to describe:

- How an overall Enterprise Architecture can be partitioned to meet the specific needs of the organization
- Key learning outcomes:
  - The purpose of Architecture Partitioning
  - The classification criteria for solutions and architectures when considering partitioning
  - How Architecture Partitioning can be employed in the Preliminary Phase of the ADM

Roadmap

Part I - Introduction
Preface, Executive Overview, Core Concepts, Definitions and Release Notes
Part II – Architecture Development Method
Introduction to ADM
ADM Phase Narratives
Part III – ADM Guidelines and Techniques
Guidelines for Adapting the ADM Process
Techniques for Architecture Development
Part IV – Architecture Content Framework
Architectural Artifacts
Architecture Deliverables
Building Blocks
Part V – Enterprise Continuum and Tools
Enterprise Continuum
Architecture Partitioning
Architecture Repository
Tools for Architecture Development
Part VI – Reference Models
Foundation Architecture: Technical Reference Model
Integrated Information Infrastructure Reference Model
Part VII – Architecture Capability Framework
Architecture Board
Architecture Compliance
Architecture Contracts
Architecture Governance
Architecture Maturity Models
Architecture Skills Framework

- Chapter 40 in Part V, Enterprise Continuum and Tools

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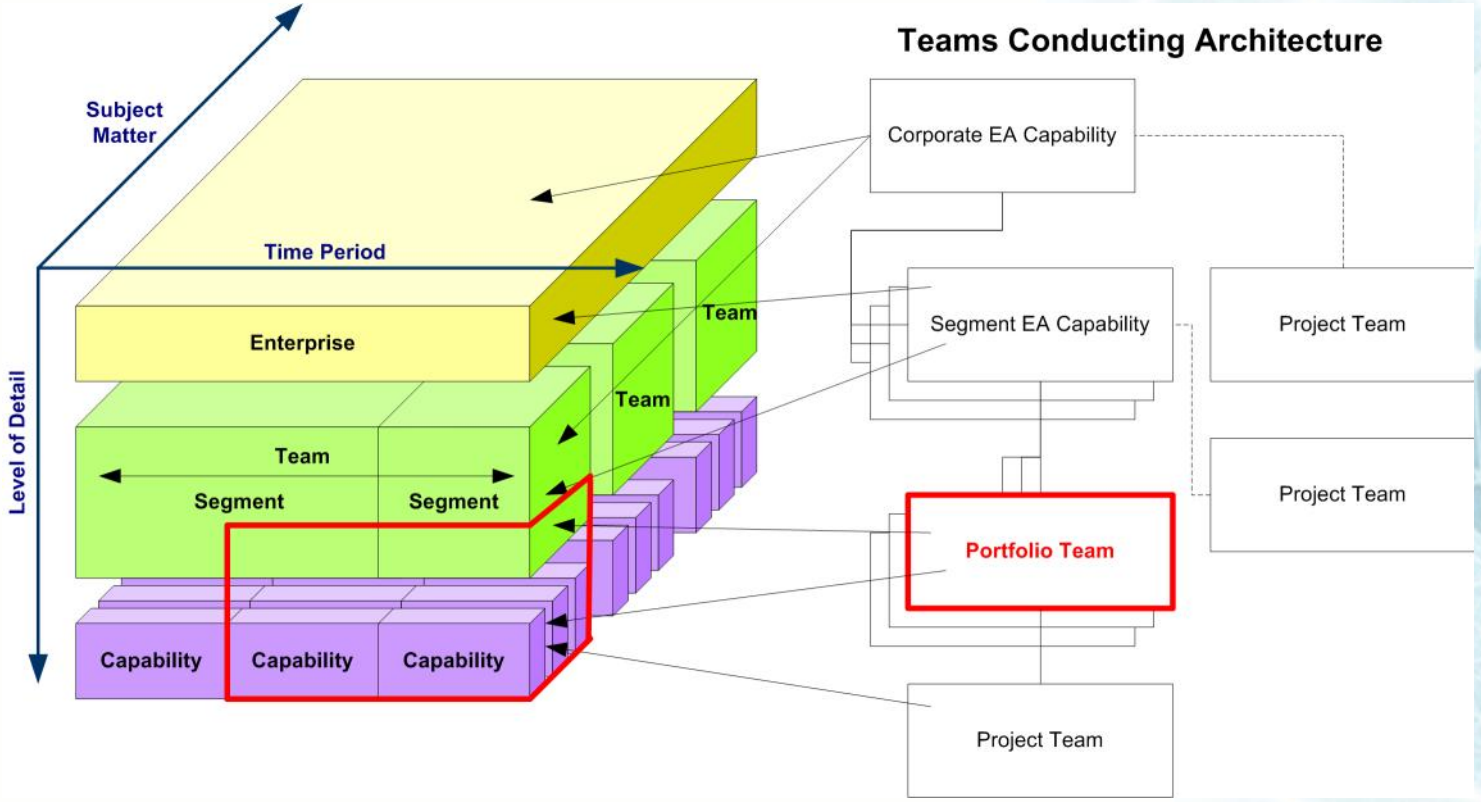
Partitioning



Allows for management of costs and complexity by dividing up the Enterprise and assigning appropriate roles and responsibilities to each partition

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The Need to Partition

- Managing Complexity
- Managing Conflicts
- Managing Parallel developments
- Managing Re-use

Applying Classification to Partitioned Architectures: Solution Partitioning

- Subject Matter (breadth)
  - Its content, structure and function
- Time
  - All solutions exist for a period of time
- Maturity/Volatility
  - The extent to which subject matter and environment of a solutions are likely to change over time

Applying Classification to Partitioned Architectures: Architecture Partitioning

- Depth (Level of detail)
  - The level of detail has a strong correlation to the stakeholder groups interested
  - Typically, less detailed architectures are of interest to executive level stakeholders
  - As architectures increase in detail, their relevance to implementation and operational personnel increases

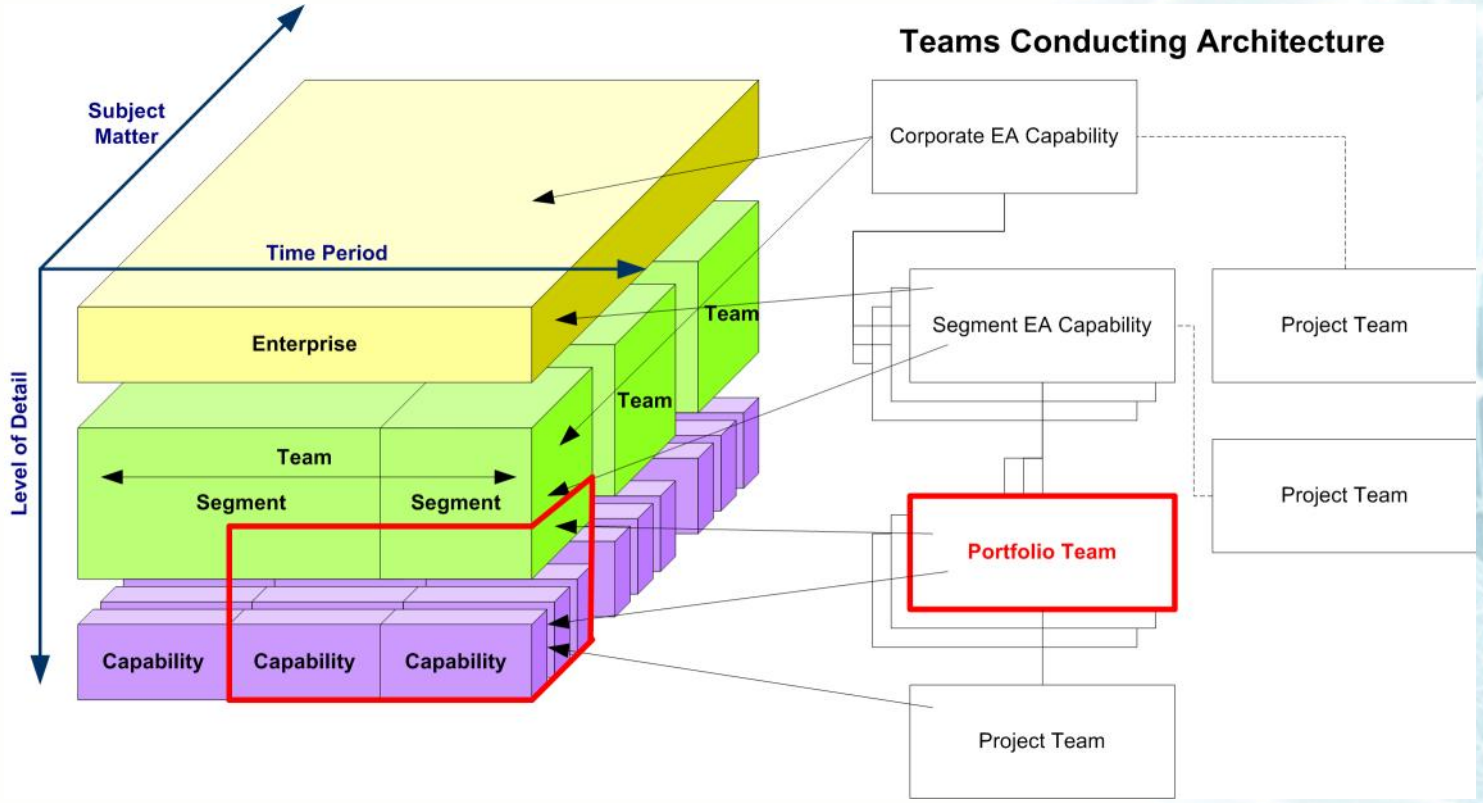
Applying Partitioning to the ADM

- The Preliminary phase supports the identification of appropriate architecture partitions and establishment of governance relationships between related architecture partitions.

Preliminary Phase

- Determine the organization structure for architecture within the enterprise
  - Identify the teams
- Determine responsibilities for each architecture team
  - Subject matter areas
  - Level of detail
  - Time period
  - Stakeholders
- Determine the relationship between architectures
  - Where do architectures overlap?
  - What are the compliance requirements between architectures?

Example Teams allocated



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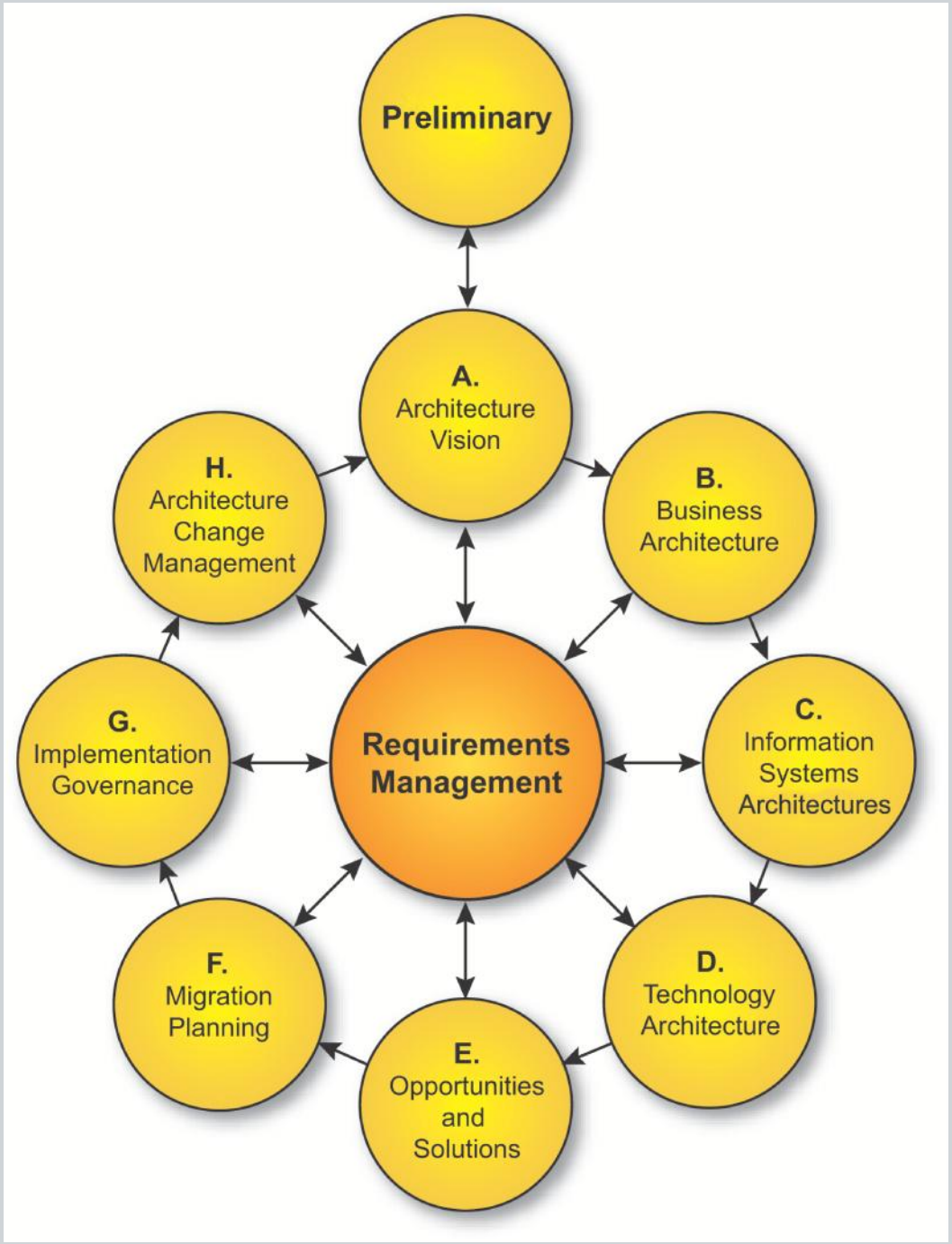
Summary

- Architecture Partitioning can be used to manage complexity, parallel developments, conflicts and re-use
- Classification criteria are defined for architectures and, solutions
- TOGAF provides guidance on how to use partitioning in the Preliminary Phase of the ADM cycle



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