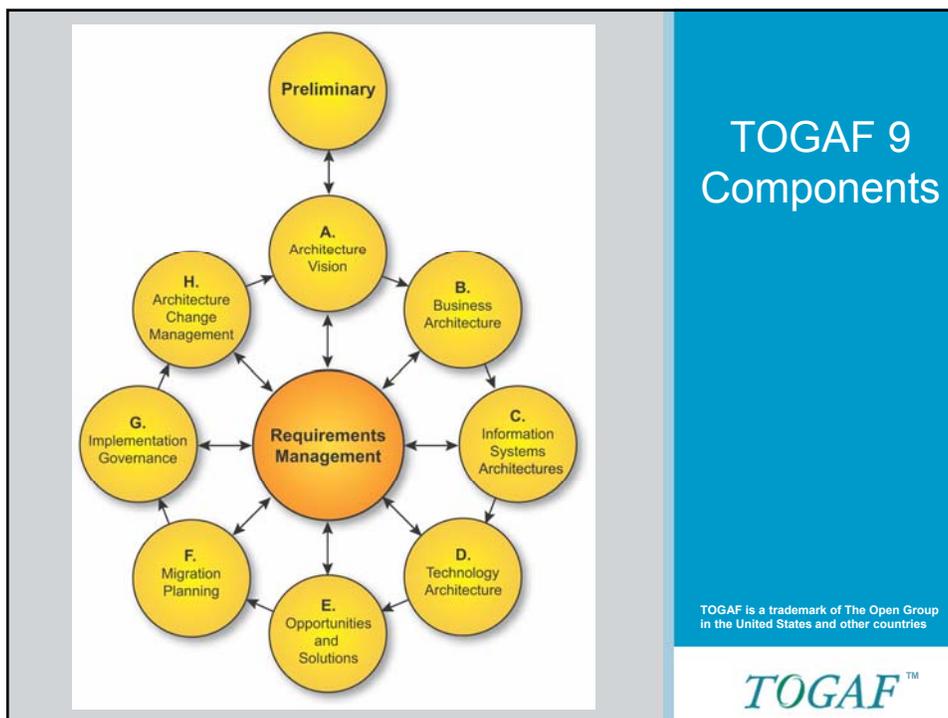


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TOGAF 9
Components

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Module Objectives

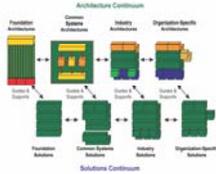
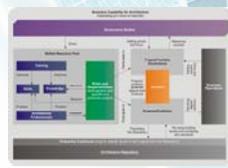
- To highlight and introduce the main components and key concepts of TOGAF 9
 - **The Architecture Development Method (ADM)**
 - **ADM Guidelines and Techniques**
 - **Architecture Content Framework**
 - Deliverables, artifacts, building blocks
 - **The Enterprise Continuum**
 - The Architecture Repository
 - **TOGAF Reference Models**
 - **The Architecture Capability Framework**
 - Establishing an EA Capability
 - The TOGAF Document Categorization model

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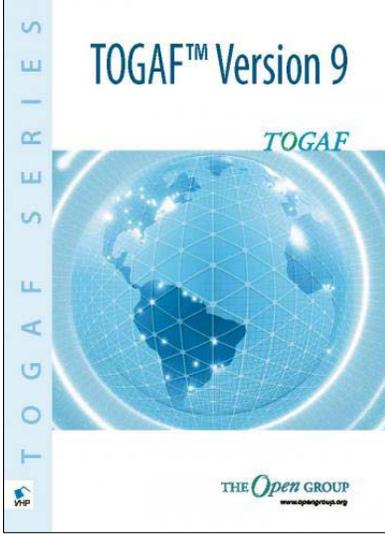
TOGAF 9 Components

| | | |
|---|--|---|
|  <p>ADM</p> |  <p>Architecture Content Framework</p> |  <p>Reference Models</p> |
|  <p>ADM Guidelines & Techniques</p> |  <p>Enterprise Continuum</p> |  <p>Architecture Capability Framework</p> |

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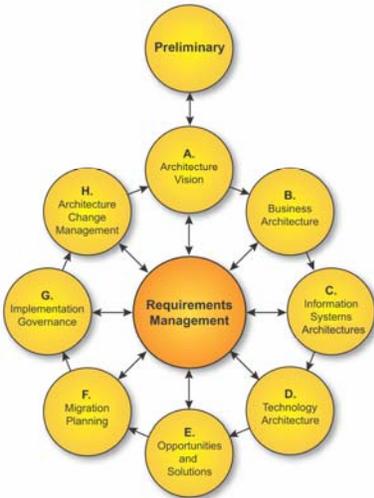
| |
|---|
| Part I - Introduction |
| Preface, Executive Overview, Core Concepts, Definitions and Release Notes |
| Part II - Architecture Development Method |
| Introduction to ADM |
| ADM Phase Narratives |
| Part III - ADM Guidelines and Techniques |
| Guidelines for Adapting the ADM Process |
| Techniques for Architecture Development |
| Part IV - Architecture Content Framework |
| Content Metamodel |
| Architectural Artifacts |
| Architecture Deliverables |
| Building Blocks |
| Part V - Enterprise Continuum and Tools |
| Enterprise Continuum |
| Architecture Partitioning |
| Architecture Repository |
| Tools for Architecture Development |
| Part VI - TOGAF 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 |

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The Architecture Development Method



- The core of TOGAF
- A proven way of developing an architecture
- Specifically designed to address business requirements
- An iterative method
- A set of architecture views to ensure that a complex set of requirements are adequately addressed

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ADM Guidelines and Techniques

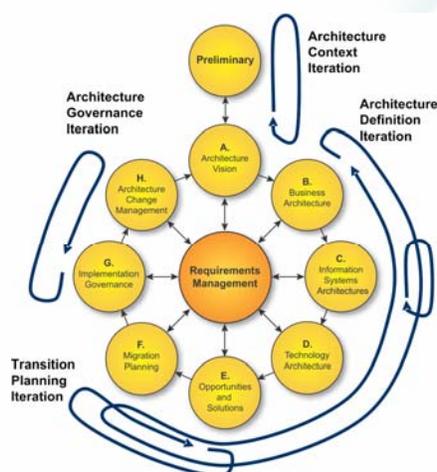
- A set of guidelines and techniques to support the application of the ADM
- The guidelines help to adapt the ADM to deal with different scenarios, including different process styles (e.g. the use of iteration) and also specific requirements (e.g. security).
- The techniques support specific tasks within the ADM (e.g. defining principles, business scenarios, gap analysis, migration planning, risk management, etc).

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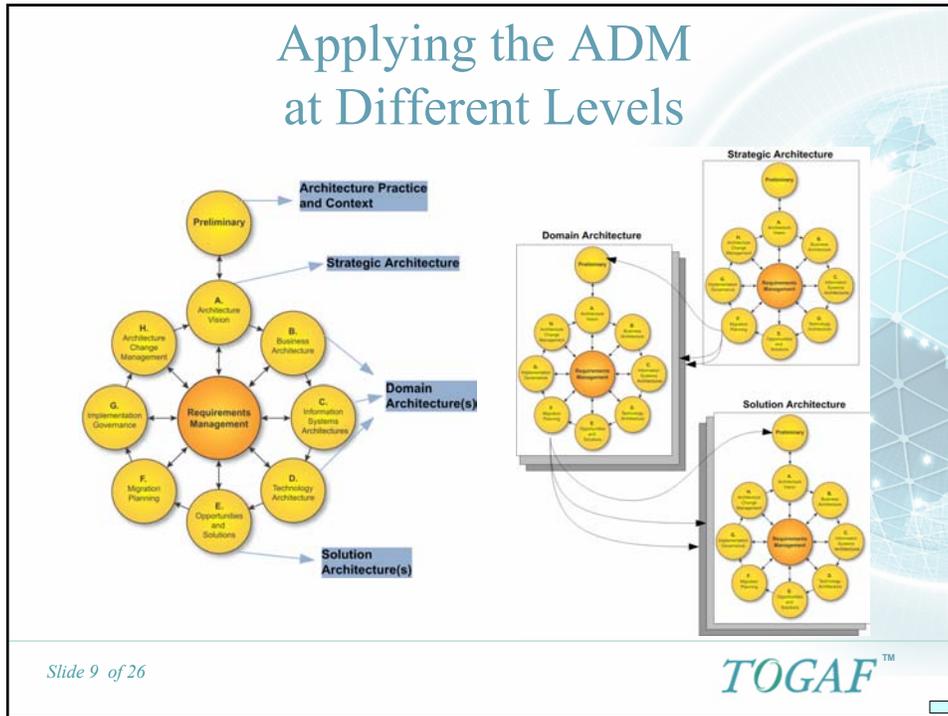
Applying Iteration to the ADM



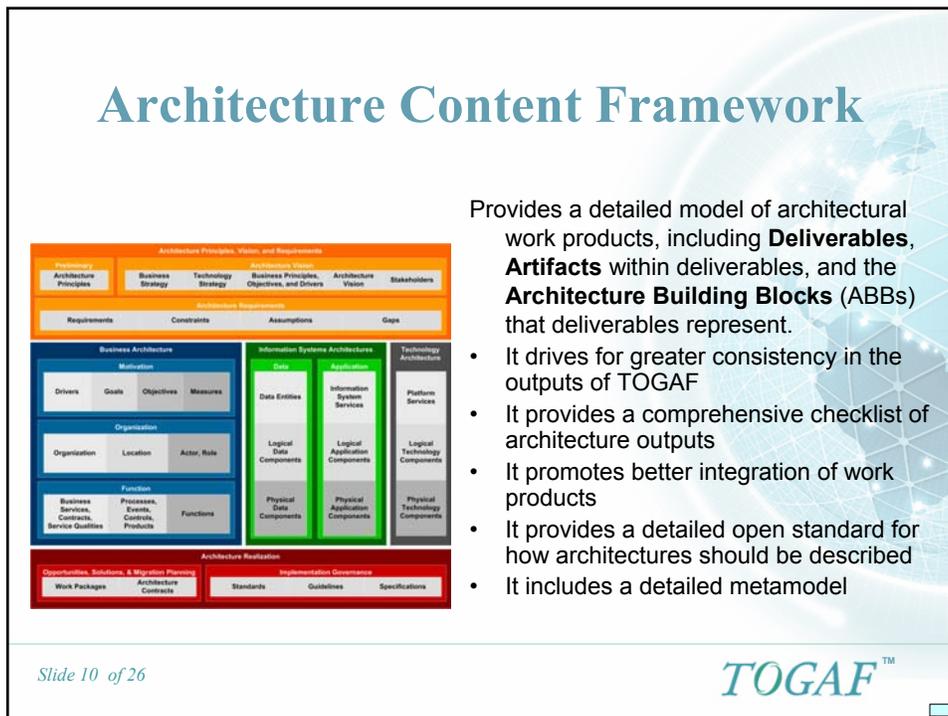
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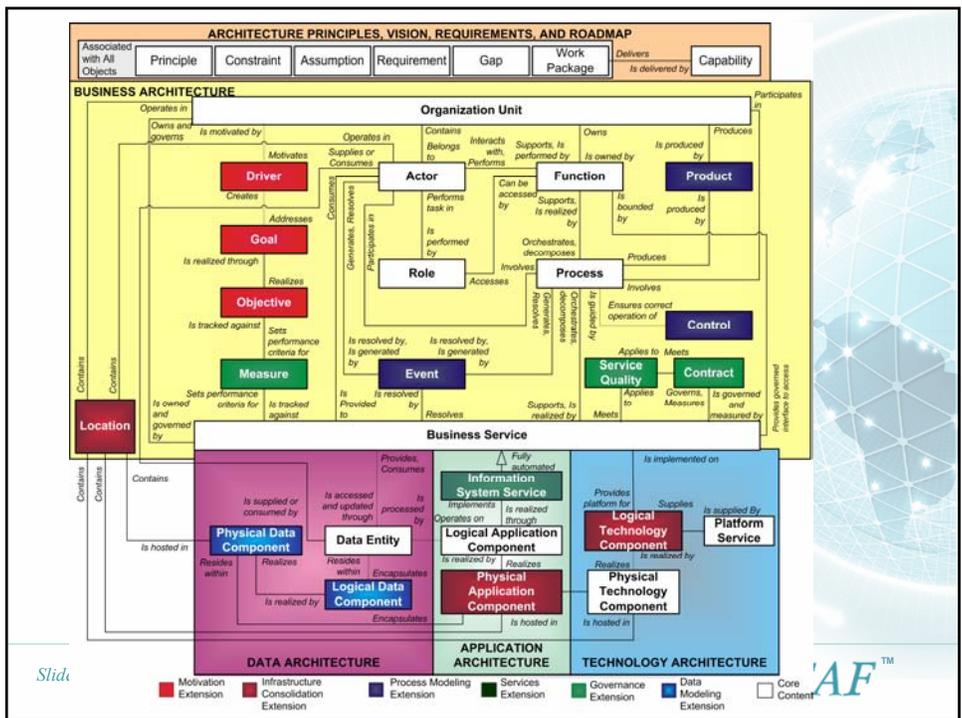
Deliverables, Artifacts and Building Blocks

- **Deliverables**
 - Formal products
 - Contractually specified
 - Outputs from a project
 - A deliverable can contain many artifacts
- **Artifacts**
 - fine grained products that describe an architecture from a specific viewpoint
 - For example: use-case specifications, architectural requirements, network diagrams, etc.
 - Classified as:
 - Catalogs (lists of things),
 - matrices (showing relationships between things) or
 - diagrams (pictures of things).
 - Artifacts make up the content of the Architecture Repository
- **Building blocks**
 - components that can be combined with other building blocks to deliver architectures and solutions

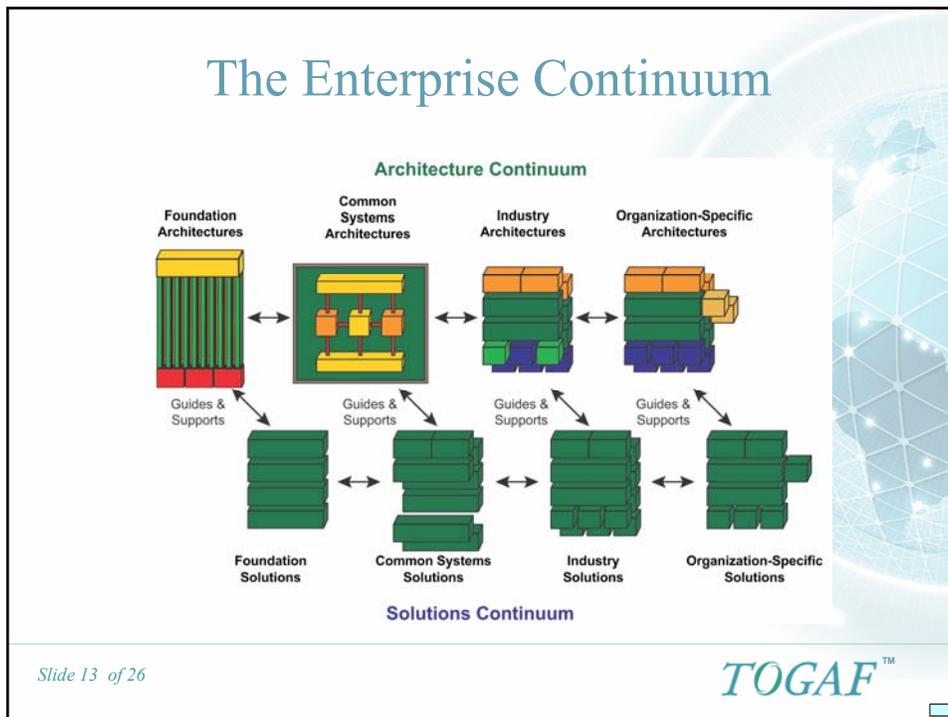
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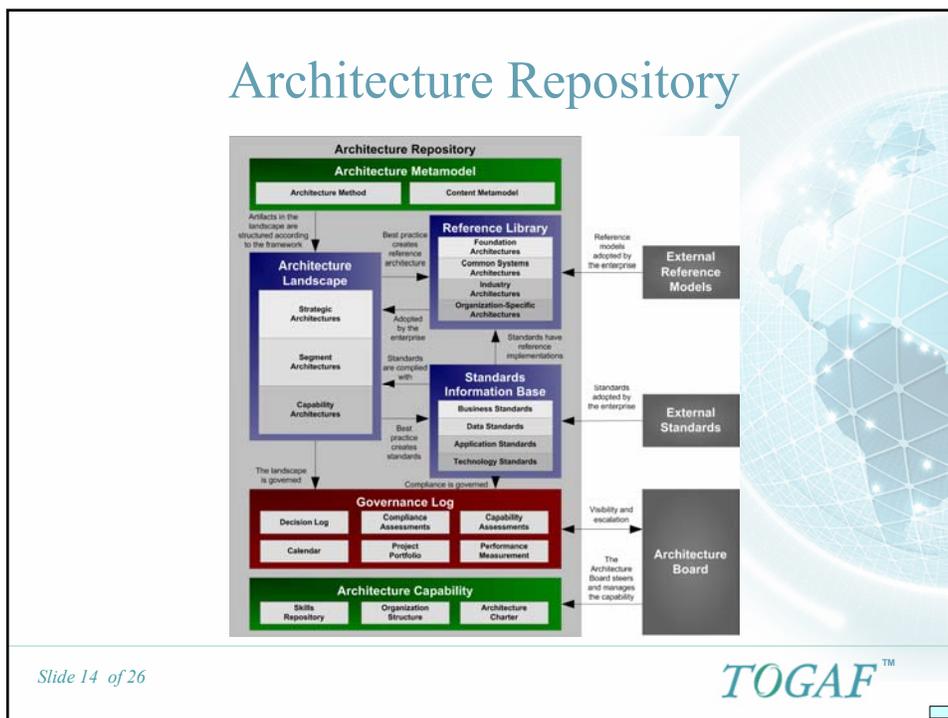


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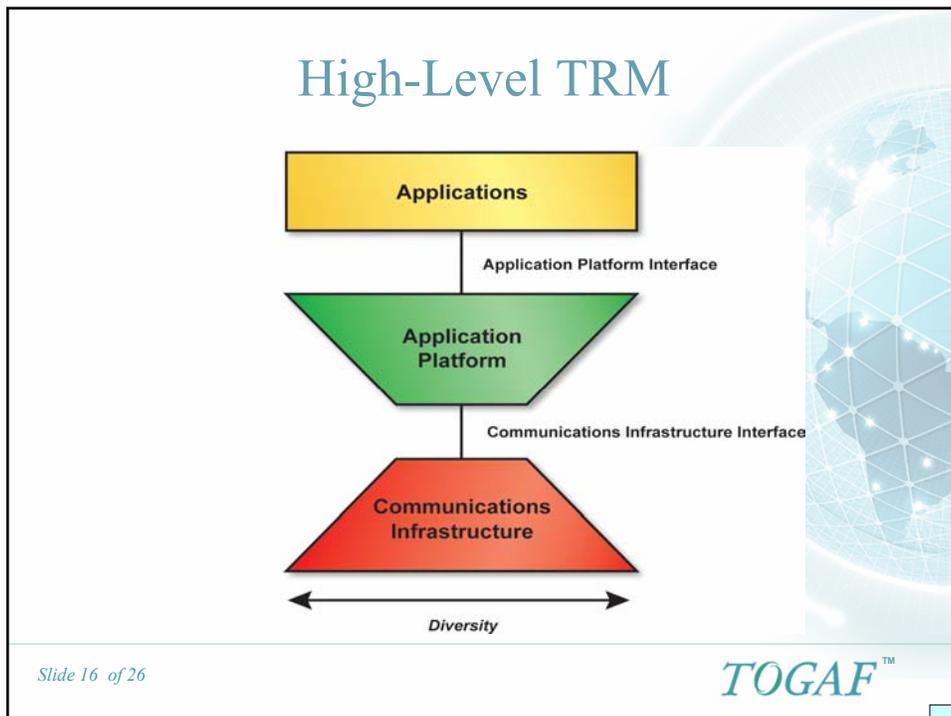
TOGAF Reference Models

- The two reference models are:
 - **The TOGAF Technical Reference Model (TRM)**
 - A Foundation Architecture
 - A model and a taxonomy of generic platform services
 - **The Integrated Information Infrastructure Model (III-RM).**
 - A model for business applications and infrastructure applications
 - Specifically aimed to support the vision of *Boundaryless Information Flow™*

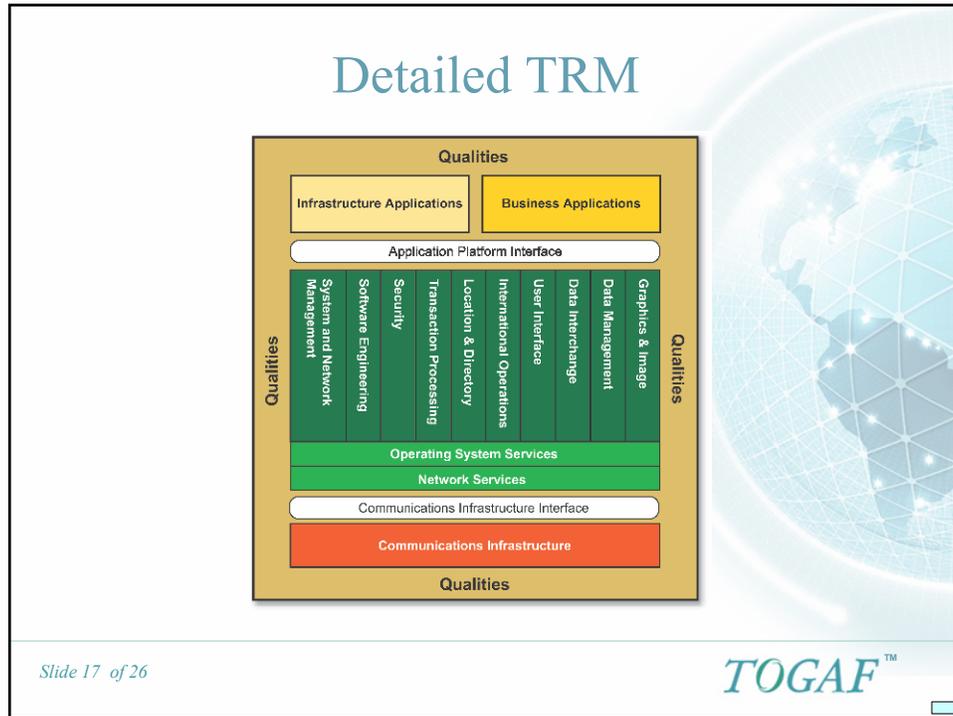
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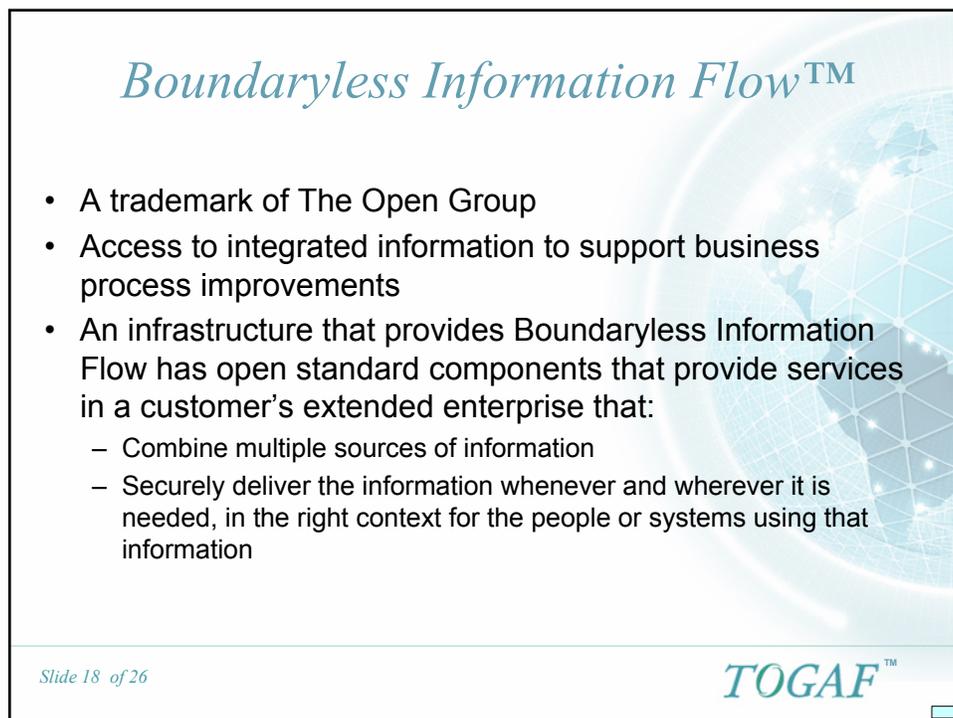
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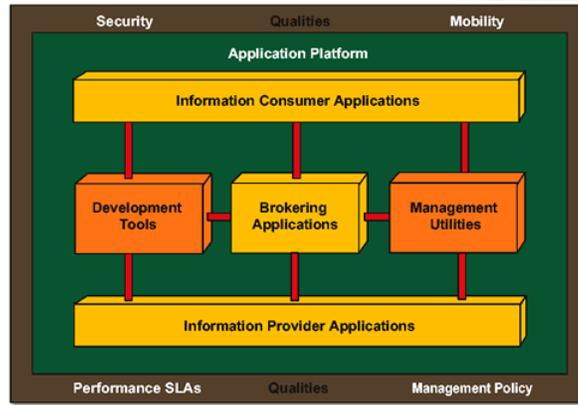


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The Integrated Information Infrastructure Reference Model (III-RM)

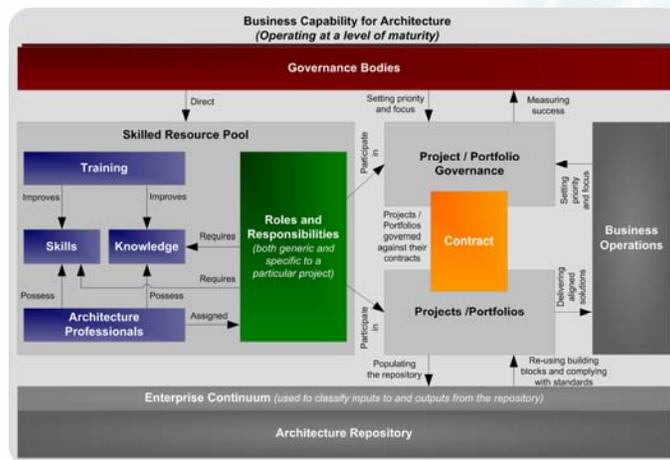


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Capability Framework



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Establishing the Architecture Capability as an Operational Entity

- TOGAF provides guidance on establishing an operational enterprise architecture practice
- It recommend they include capabilities such as:
 - Financial Management
 - Performance Management
 - Service Management
 - Risk Management
 - Resource Management
 - Communications and Stakeholder Management
 - Quality Management
 - Supplier Management
 - Configuration Management
 - Environment Management

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TOGAF Document Categorization Model

- A model to structure release management of the TOGAF specification itself
- Content of the TOGAF specification is categorized
 - **TOGAF Core:** *fundamental concepts that form the essence of TOGAF*
 - **TOGAF Mandated:** *normative parts of TOGAF. Elements considered central to its usage, without which the framework would not be TOGAF*
 - **TOGAF Recommended:** *a pool of resources referenced in TOGAF as ways in which Core and Mandated processes can be accomplished*
 - **TOGAF Supporting:** *additional resources not referenced in the other three categories*

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Summary

- **Architecture Development Method (ADM)**
 - An iterative sequence of steps to develop an enterprise-wide architecture
- **ADM Guidelines and Techniques**
 - Guidelines and techniques to support the application of the ADM
- **Architecture Content Framework**
 - A detailed model of architectural work products, including deliverables, artifacts within deliverables, and the Architecture Building Blocks (ABBs) that deliverables represent.

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Summary

- **The Enterprise Continuum**
 - A model for structuring a virtual repository and methods for classifying architecture and solution artifacts.
 - Supported by the Architecture Repository, a model for a physical repository
- **TOGAF Reference Models:**
 - The TOGAF **Technical Reference Model (TRM)**
 - The **Integrated Information Infrastructure Model (III-RM)**.
- **The Architecture Capability Framework**
 - A structured definition of the organizations, skills, roles and responsibilities to establish and operate an Enterprise Architecture.

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Test Yourself Question

- Q: Which of the following is not considered one of the six main parts of TOGAF?
- A. Architecture Development Method
 - B. Enterprise Continuum
 - C. TOGAF Reference Models
 - D. TOGAF Resource Base

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