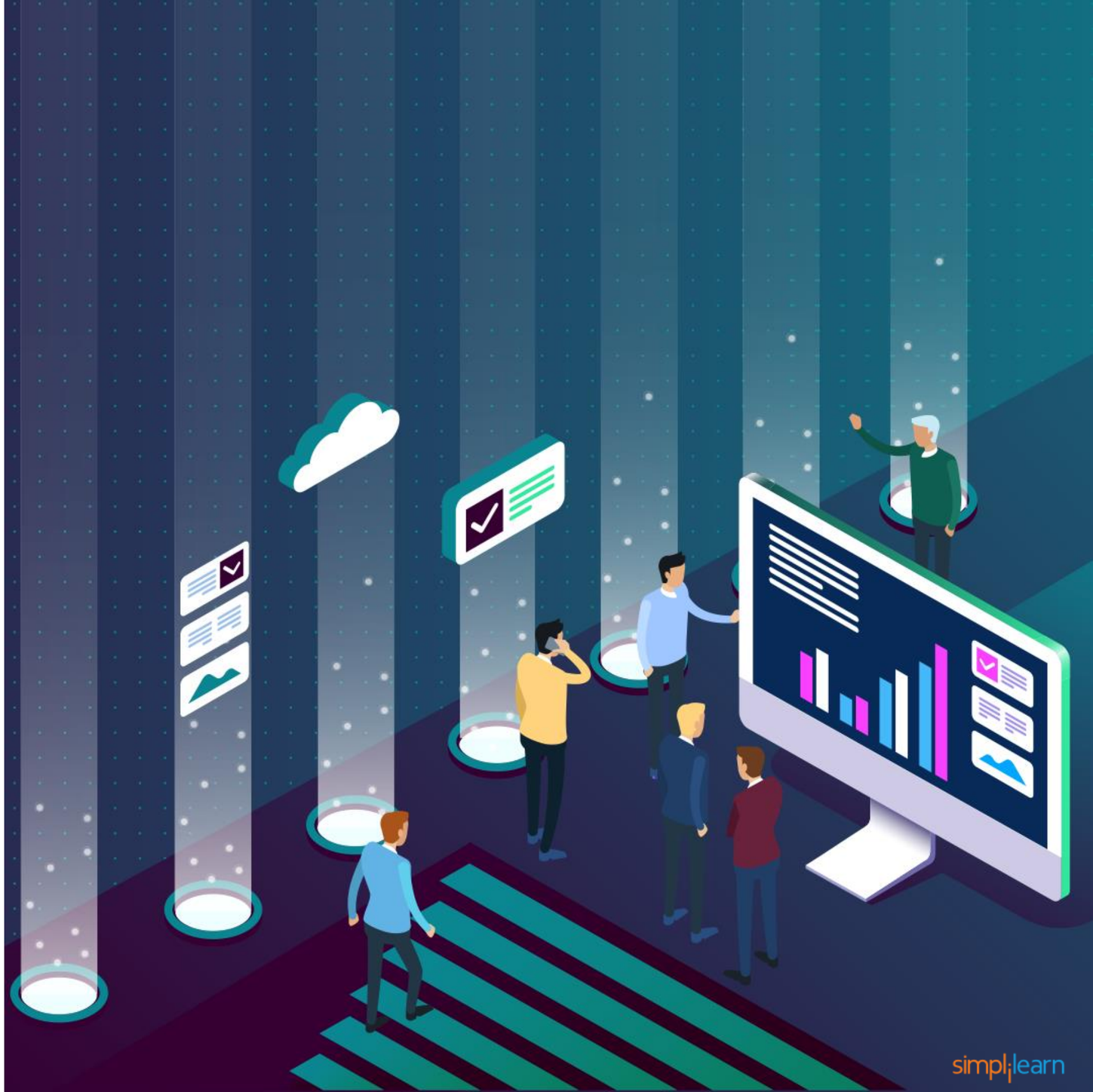
TOGAF® Enterprise Architecture Training Course (Practitioner)



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Unit 7 – Requirements Management

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7.1 The inputs that feed the Requirements Management Phase

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Requirements Management Inputs

- A populated Architecture Repository
- Organizational Model for Enterprise Architecture, including:
  - Scope of organizations impacted
  - Maturity assessment, gaps, and resolution approach
  - Roles and responsibilities for architecture team(s)
  - Constraints on architecture work
  - Budget requirements
  - Governance and support strategy

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Requirements Management Inputs

- Tailored Architecture Framework, including:
  - Tailored architecture method
  - Tailored architecture content (deliverables and artifacts)
  - Configured and deployed tools
- Statement of Architecture Work
- Architecture Vision
- Architecture requirements, populating an Architecture Requirements Specification
- Requirements Impact Assessment

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Effective Requirements Management

- Effective requirements management is dependent upon clear traceability from the organization's vision, mission, business model, and strategies through the most detailed statement of requirement.
- When engaging with stakeholders, Practitioners must maintain the complete set of every stakeholder's preference, and the implications of those preferences.

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7.2 How the Requirements Management steps correspond to ADM Phase Steps

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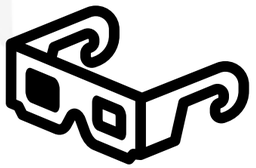
Architecture Requirements Management Steps and the ADM Phase Steps

	Requirements Management Steps	ADM Phase Steps
Step 1		Identify requirements (typically by analyzing how business goals/objectives can be met through the design of value streams, business scenarios, user experiences, or the provision of management information) and document them in the Architecture Requirements Specification and Requirements Repository.
Step 2	Establish baseline requirements: determine priorities, confirm stakeholder agreement to priorities, and document them in the Architecture Requirements Specification and Requirements Repository.	
Step 3	Monitor baseline requirements.	
Step 4		Identify new and changed requirements: a. Remove or re-assess priorities b. Add requirements and re-assess priorities c. Modify existing requirements
Step 5	Identify changed requirements and record priorities: a. Identify changed requirements and ensure the requirements are prioritized by the architect(s) responsible for the current phase, and by the relevant stakeholders b. Record new priorities	

- Objectives of the Requirements Management Phase:
  - Ensure that the Requirements Management process is sustained and operates for all relevant ADM phases
  - Manage architecture requirements identified during any execution of the ADM cycle or a phase
  - Ensure that relevant architecture requirements are available for use by each phase as the phase is executed
- The steps are matched to each ADM phase.

The complete table is included in the handout.



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7.3 The Purpose of the outputs of Requirements Management

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Architecture Requirements Management Outputs

- Requirements Impact Assessment
- Updated Architecture Requirements Specification: Architecture Requirements Specification), if necessary

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Requirements Impact Assessment Purpose

- Throughout the ADM, new information is collected relating to an architecture, new facts may come to light that invalidate existing aspects of the architecture.
- A Requirements Impact Assessment assesses the current architecture requirements and specification to identify changes that should be made and the implications of those changes.

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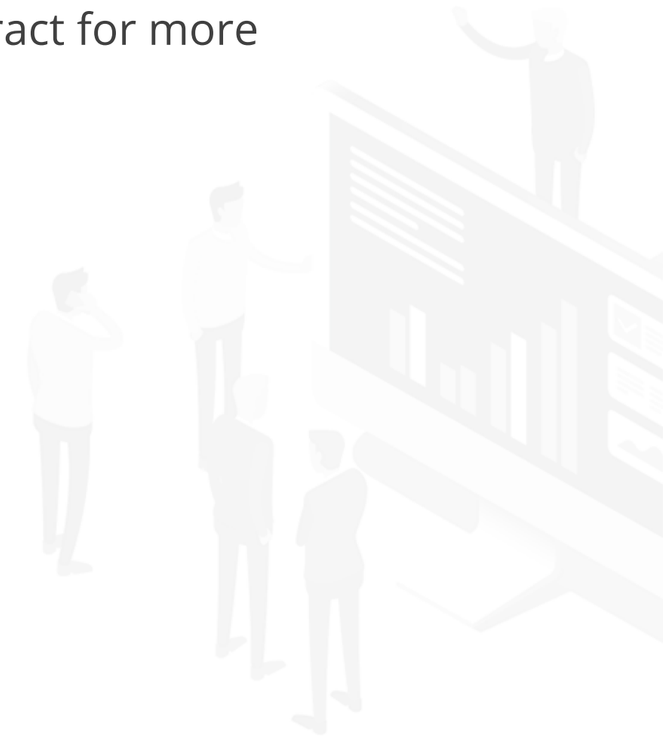
Architecture Requirements Specification Purpose

The Architecture Requirements Specification:

- Provides a set of quantitative statements that outline what an implementation project must do in order to comply with the architecture
- Will typically form a major component of an implementation contract or contract for more detailed Architecture Definition



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The Requirements Management Process

- When new requirements arise, or existing ones are changed, a Requirements Impact Statement is generated, which identifies the phases of the ADM that need to be revisited to address the changes.
- The statement goes through various iterations until the final version, which includes the full implications of the requirements (e.g., costs, timescales, and business metrics) on the architecture development.
- Once requirements for the current ADM cycle have been finalized then the Architecture Requirements Specification should be updated.

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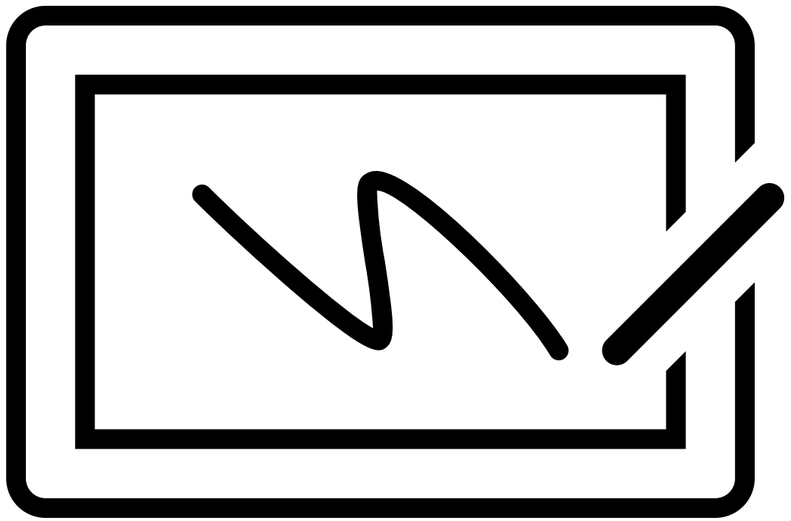
Practice with Learning Studies Requirements Management



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