

## IBM Rational System Architect TOGAF

### Objectives

- Learn how to apply key features of IBM® Rational® System Architect® for The Open Group Architecture Framework (TOGAF™)
  - Use the Architecture Development Method (ADM)
- Capture request for architecture work and architecture principles
- Describe architecture vision
  - High-level baseline/target architecture descriptions
- Build integrated set of architecture models
  - Business architecture
  - Data architecture
  - Application architecture
  - Technology architecture
- Model migration strategy
- Represent solution delivery recommendations

### Description

*IBM Rational System Architect TOGAF* provides students with a hands-on opportunity for learning how to capture enterprise architecture models and related content using System Architect (SA) from IBM Rational. Starting with an overview of SA, students will review various tool configuration options and model structuring and organization guidelines. Students begin with capturing the request for architecture work, identifying architecture principles and reviewing a formal model of TOGAF. Student then describe an architecture vision with high-level baseline and target architectures. Students continue following the Architecture Development Method (ADM) and build models for the business, data, application, and technology architecture domains. The course shows students how to capture a high-level migration plan and interoperability requirements. The course concludes with modeling the architecture review process and describing solution delivery recommendations. Most class time is used for students to do hands-on lab exercises following a step-by-step workbook.

### Course Outline (Modules and Topics)

- Phase H: Architecture Change Management
  - SA workspace configuration
  - Request for architecture work
- Preliminary Phase: Framework and Principles
  - Architecture principles
- Phase A: Architecture Vision
  - Business motivation model
  - Relationship matrices
  - Stakeholders and architecture viewpoints
  - Architecture vision document template
  - High-level baseline and target architecture
- Phase B: Business Architecture
  - Business actors and services
  - Business functions and processes
  - HTML model publication
- Phase C: Data Architecture
  - Business and data entities
  - Data lifecycle view
- Phase C: Application Architecture
  - Application interoperability view
  - Application integration patterns and III-RM
- Phase D: Technology Architecture
  - Load TOGAF TRM and SIB
  - Technology configuration diagrams
- Phase E: Opportunities and Solutions
  - Work streams and projects
  - High-level migration plan
- Phase F: Migration Planning
  - Interoperability requirements
- Phase G: Implementation Governance
  - Architecture review process
  - Solution delivery recommendations

### Duration

2 days

### Course #

01-0618

### Prerequisites

- TOGAF 9 Certification Training

### Continuing education

- Business Service Fundamentals
- Business Analysis Modeling
- Business Component Modeling
- Business Process Modeling with BPMN

### Classroom requirements

- IBM Rational System Architect v11.3

### In partnership with

### Audience

- Enterprise architect
- Business architect
- Data architect
- Application architect
- Technology architect
- System architect
- Software architect
- Solution architect

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