

# IEA10

## Applying the SAP Enterprise Architecture Framework

### COURSE OUTLINE

Course Version: 12

Course Duration:



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# Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation	
Demonstration	
Procedure	
Warning or Caution	
Hint	
Related or Additional Information	
Facilitated Discussion	
User interface control	<i>Example text</i>
Window title	<i>Example text</i>

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# Course Overview

## **TARGET AUDIENCE**

This course is intended for the following audiences:

- Enterprise Architect



## Lesson 1: Examining Enterprise Architecture

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain foundational principles of Intelligent Enterprise Architecture

## Lesson 2: Tailoring the TOGAF Architecture Development Method

### Lesson Objectives

After completing this lesson, you will be able to:

- Apply TOGAF methodology to develop enterprise architecture

## Lesson 3: Exploring the SAP Enterprise Architecture Framework

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe key components of the SAP Enterprise Architecture Framework

## Lesson 4: Exploring the SAP Enterprise Architecture Framework Methodology

### Lesson Objectives

After completing this lesson, you will be able to:

- Implement the SAP Enterprise Architecture Framework methodology

## Lesson 5: Utilizing SAP Enterprise Architecture Framework Reference Architecture Content

### Lesson Objectives

After completing this lesson, you will be able to:

- Analyze reference architecture content within the SAP Enterprise Architecture Framework

## **Lesson 6: Leveraging SAP Enterprise Architecture Framework Tooling**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Evaluate tools available in the SAP Enterprise Architecture Framework

## **Lesson 7: Leveraging SAP Enterprise Architecture Framework Services**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Examine services within the SAP Enterprise Architecture Framework

## **Lesson 8: Maturing an Enterprise Architecture Practice**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Demonstrate your Enterprise Architecture practice

## Lesson 1: Conducting Preliminary Phase

### Lesson Objectives

After completing this lesson, you will be able to:

- Perform activities in the Preliminary Phase

## Lesson 2: Handling Requirements, Risk, and Decision Management

### Lesson Objectives

After completing this lesson, you will be able to:

- Manage architecture requirements along all ADM phases
- Identify, classify, and mitigate risks
- Document and communicate architecture decisions



## Lesson 1: Articulating the Architecture Vision

### Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the objectives and artifacts of the Architecture Vision
- Create a stakeholder map to manage support for your architecture
- Develop a business strategy map to provide strategic insights to your architecture
- Construct a business context diagram for a high-level overview of how a business interacts with its external environment
- Use a business model canvas to describe how an organization creates, delivers, and captures value
- Draft a statement of architecture work to define the scope of your architectural efforts
- Formulate architecture principles to serve as guidelines
- Perform an enterprise capability assessment to evaluate readiness for change



## Lesson 1: Defining Business Architecture

### Lesson Objectives

After completing this lesson, you will be able to:

- Analyze business architecture concepts
- Explain an organization map to show key organizational units within the enterprise ecosystem
- Define business roles as representations of commonly known job profiles
- Develop a business capability map to describe the organization's ability to perform business activities successfully
- Design a business value flow diagram to illustrate value-adding business activities aimed at fulfilling specific business goals
- Construct a business footprint diagram to graphically relate strategic business objectives to capabilities and applications
- Compile a business data catalog to summarize all relevant business information



## Lesson 1: Exploring the Concepts of Application and Data Architecture

### Lesson Objectives

After completing this lesson, you will be able to:

- Discover the fundamental concepts of application and data architecture

## Lesson 2: Designing Application Architecture

### Lesson Objectives

After completing this lesson, you will be able to:

- Create a product map to depict business scope and recommended products
- Design a solution component diagram to illustrate relevant solution components and communication channels between them
- Develop a solution flow value to represent a collection of realized, value-adding business activities
- Construct a solution process flow to represent a specific, exemplary process flow of solution activities within a set of relevant solution components
- Illustrate a software distribution diagram to show how solution components are distributed across the IT infrastructure

## Lesson 3: Building Data Architecture

### Lesson Objectives

After completing this lesson, you will be able to:

- Create a solution data flow diagram to represent a typical flow of data between solution components
- Design a conceptual data diagram to describe the data entities processed by solution components and their relationships



## Lesson 1: Defining Technology Architecture

### Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the fundamental concepts of technology architecture
- Use environments and location diagrams to illustrate geographical representation of solution building blocks



## Lesson 1: Identifying Opportunities and Solution

### Lesson Objectives

After completing this lesson, you will be able to:

- Analyze potential solutions to address identified opportunities

## Lesson 2: Developing Roadmaps

### Lesson Objectives

After completing this lesson, you will be able to:

- Develop roadmaps to guide the implementation of SAP Solutions
- Create a Business Architecture Roadmap as a visual representation of business outcomes
- Develop an Application Architecture Roadmap to depict the solutions required to realize company goals
- Construct a Work Breakdown Structure (WBS) to organize deliverables into manageable sections