

## **Build Application Architect Expertise (ARC901)**

OEM: Salesforce • Duration: 4 Days (32 hrs) • Code: ARC-201

### **COURSE MODULES & TOPICS**

#### **Module 1: Application Architect Overview**

- Assess requirements to become an Application Architect
- Understand real-world expectations of an Application Architect

#### **Module 2: Scenario Introduction and Architecture Documentation**

- Review the Application Architecture case study
- Identify scenario actors and licensing implications
- Understand architecture documentation best practices

#### **Module 3: Data Modeling**

- Identify relationship types and their impact on record access, UI, and reporting
- Review considerations for changing field types
- Identify use cases for External Objects
- Determine appropriate data models
- Understand design implications in complex environments and large data volumes (LDV)

#### **Module 4: Data Management**

- Review considerations for working with large data volumes
- Review data lifecycle concepts and mechanisms
- Review Master Data Management and System of Record concepts
- Review data migration planning, preparation, and execution
- Explore indexes, standard and custom skinny tables, and record locking

#### **Module 5: Security Model**

- Review considerations for internal and external sharing models
- Restrict and extend object and field access
- Identify record sharing mechanisms (declarative, programmatic, implicit)
- Understand Teams concepts and Person Accounts
- Encrypt data

## **Module 6: Sharing in Communities and Advanced Security**

- Understand community security mechanisms
- Secure integration endpoints
- Configure Connected Apps and Named Credentials
- Implement security and visibility controls with Apex and Visualforce

## **Module 7: Solution Design**

- Determine when to leverage standard functionality vs. custom build vs. AppExchange
- Understand declarative and programmatic configuration and order of execution
- Automate business processes
- Consider reporting, analytics, content, and files storage

## **Module 8: Deployment and Integration Best Practices**

- Review application lifecycle management
- Understand sandbox usage strategies
- Review deployment options
- Identify integration patterns