

# MICROSOFT AZURE SOLUTIONS ARCHITECT EXPERT AZ-305 CERTIFICATION TRAINING

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Become a Cloud Expert with Azure  
Architect Certification

**ProtoBot Skill Leveler LLP**

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## Program Overview

This Microsoft Azure certification training by Protobot Skill Leveler LLP prepares you to become an expert Azure Solutions Architect and pass the Microsoft Azure Solutions Architect Expert (AZ-305) certification exam. You will gain skills in workload requirements analysis, identity and security design, data platform architecture, business continuity planning, cloud migrations, and API integrations.

## Program Features

- > 10+ hours of high-quality self-learning content
- > 40+ hours of instructor-led live classes
- > Industry-recognized course completion certificate
- > Hands-on projects with integrated Azure labs
- > Mock tests and practice questions

## Delivery Mode

**Online Bootcamp:** A blend of self-paced learning and live instructor-led sessions



## Prerequisites

This course is designed for professionals with **prior experience in IT operations**, including networking, virtualization, security, compute, storage, billing, and governance.

## Target Audience

This training is ideal for:

- > Cloud Solutions Architects
- > Experienced Azure Administrators and Developers
- > DevOps Professionals
- > IT Professionals looking to earn the Microsoft Certified: Azure Solutions Architect Expert certification

## Key Learning Outcomes

By the end of this course, you will be able to:

- > Design solutions for logging and monitoring
- > Create authentication and authorization strategies
- > Implement identity and access management for applications
- > Architect a scalable and secure data storage solution
- > Plan disaster recovery and high-availability strategies
- > Optimize cloud costs and security
- > Design migration strategies for existing infrastructure



# Certification Details and Criteria

- Attend **at least one live class** or complete **85% of the self-learning course**
- Successfully pass a **course assessment project**
- Course aligned with **Microsoft Azure Solutions Architect Expert (AZ-305) certification exam**

## Course Curriculum

### Section 01: Course Introduction

- > Lesson 01 : Course Introduction

### Section 02: Design a Governance Solution

- > Lesson 01 : Design Governance
- > Lesson 02 : Design for management groups and subscriptions
- > Lesson 03 : Design for Resource Groups
- > Lesson 04 : Recommend a Strategy for Tagging
- > Lesson 05 : Recommend a Solution for using Azure Policy
- > Lesson 06 : Recommend a Solution for using Azure Blueprints

### Section 03: Design Authentication Solutions & Authorization

- > Lesson 01 : Azure Active Directory
- > Lesson 02 : Recommend a Solution for Single-Sign On (SSO)
- > Lesson 03 : Recommend a solution for Authentication
- > Lesson 04 : Recommend a Solution for Conditional Access
- > Lesson 05 : Recommend a Solution that includes Managed Identities
- > Lesson 06 : Recommend a Solution that includes Key Vault
- > Lesson 07 : Recommend a solution for a Hybrid Identity



- > Lesson 08 : Recommend a solution for User Self-service
- > Lesson 09 : Recommend and implement a Solution for B2B Integration
- > Lesson 10 : Choose an Authorization Approach
- > Lesson 11 : Recommend a Hierarchical Structure for Access Control
- > Lesson 12 : Recommend an Access Management Solution

#### **Section 04: Design a Solution for Logging and Monitoring**

- > Lesson 01 : Design for Azure Workbooks and Azure insights
- > Lesson 02 : Recommend Appropriate Monitoring Tools for a Solution
- > Lesson 03 : Azure Monitoring
- > Lesson 04 : Health and availability monitoring
- > Lesson 05 : Cost Monitoring
- > Lesson 06 : Advanced Logging
- > Lesson 07 : Choose a Mechanism for Event Routing and Escalation

#### **Section 05: Design for High Availability**

- > Lesson 01 : Identify the availability requirements for Azure resources
- > Lesson 02 : Azure Front Door
- > Lesson 03 : Azure Traffic Manager
- > Lesson 04 : Recommend a high availability solution for compute
- > Lesson 05 : Recommend a high availability solution for relational data storage
- > Lesson 06 : Recommend a high availability solution for non-relational data
- > Lesson 07 : Identify Storage Types for High Availability

#### **Section 06: Design a Solution for Backup and Recovery**

- > Lesson 01 : Recommend a Recovery Solution for Azure Workloads
- > Lesson 02 : Recommend a Solution for Azure Backup Management
- > Lesson 04 : Design a Solution for Data Archiving and Retention



- > Lesson 05 : Design and Azure Site Recovery Solution
- > Lesson 06 : Recommend a Solution for Recovery in Different Regions

### **Section 07: Design a Solution for Non-Relational Data**

- > Lesson 01 : Overview of Azure Non-relational Data
- > Lesson 02 : Storage Account
- > Lesson 03 : Design for Azure Blob storage
- > Lesson 04 : Azure Files
- > Lesson 05 : Design for Azure disk solutions
- > Lesson 06 : Storage Security
- > Lesson 07 : Recommend a Solution for Encrypting Data

### **Section 08: Design a Solution for Relational Data**

- > Lesson 01 : Select an Appropriate Data Platform Based on Requirements
- > Lesson 02 : Recommend Database Service Tier Sizing
- > Lesson 03 : Recommend a Solution for Database Scalability
- > Lesson 04 : Design security for data
- > Lesson 05 : Design for Azure SQL Edge
- > Lesson 06 : Design for Azure Cosmos DB
- > Lesson 07 : Storage Management Tools

### **Section 09: Design Data Integration**

- > Lesson 01 : Recommend a Data Flow to Meet Business Requirements
- > Lesson 02 : Recommend a solution for Data Integration
- > Lesson 03 : Design a strategy for hot, warm, cold data path
- > Lesson 04 : Design Azure Stream Analytics solution for data analysis



## **Section 10: Design a Compute Solution**

- > Lesson 01 : Recommend a Solution for Compute Provisioning
- > Lesson 02 : Recommend a Solution for App service
- > Lesson 03 : Determine Appropriate Compute Technologies
- > Lesson 04 : Recommend a Solution for Containers
- > Lesson 05 : Recommend a solution for Automating Compute Management

## **Section 11: Design an Application Architecture**

- > Lesson 01 : Recommend a Microservices Architecture
- > Lesson 02 : Recommend an Orchestration Solution for Deployment and Maintenance of Applications
- > Lesson 03 : Recommend a solution for API Integration

## **Section 12: Design a Network Solution**

- > Lesson 01 : Recommend a Network Architecture
- > Lesson 02 : Recommend a Solution for Network Addressing and Name Resolution
- > Lesson 03 : Recommend a Solution for Network Provisioning
- > Lesson 04 : Recommend Solutions for Network Security
- > Lesson 05 : Recommend Solutions for Network Connectivity
- > Lesson 06 : Recommend Solution for Automating Network Management
- > Lesson 07 : Recommend Solution for Load Balancing and Traffic Routing

## **Section 13: Design Migrations**

- > Lesson 01 : Azure Migrate
- > Lesson 02 : Assessments using Azure Migrate
- > Lesson 03 : Recommend a Solution for Migrating Applications and VMs
- > Lesson 04 : Recommend a Solution for Migrating of Databases
- > Lesson 05 : Determine Migration Scope



- > Lesson 06 : Recommend a Solution for Migrating Data

#### **Section 14: Design for Cost Optimization**

- > Lesson 01 : Recommend a Solution for Cost Management and Cost Reporting
- > Lesson 02 : Recommend Solutions to Minimize Costs

## **Why Choose Protobot Skill Leveler LLP?**

At **Protobot Skill Leveler LLP**, we are committed to **bridging the skill gap** in cloud computing and automation. Our trainers are industry experts, and our hands-on approach ensures you gain real-world experience.

### **Contact Us:**

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Join us today and take the next step in becoming a **Microsoft Certified: Azure Solutions Architect Expert!**