

Microsoft Azure Architect Design

Referencia

AZ-301

Duración (horas)

24

Última actualización

8 febrero 2019

Modalidades

a medida

Examen

AZ-301

Certificación

AZ-301

Introducción

This exam is part of requirements for Microsoft Certified Azure Solutions Architect certification. An Azure Architect advise stakeholders and translates business requirements into secure, scalable, and reliable solutions.

Objetivos

This exam measures your ability to accomplish the technical tasks listed below:

- Determine Workloads Requirements
- Design for Identity and Security
- Design a Data Platform Solution
- Design a Business Continuity Strategy
- Design for Deployment, Migration, and Integration
- Design an Infrastructure Strategy

Documentación

The students will receive a digital copy of each courses related to this exam.

Contenidos

Course AZ-301T01: Designing for Identity and Security

1. Managing Security & Identity for Azure Solutions

- Security
- Identity
- Online Lab: Securing Secrets in Azure

2. Integrating SaaS Services Available on the Azure Platform

- Cognitive Services
- Bot Services
- Machine Learning
- Media Processing
- Online Lab: Deploying Service Instances as Components of Overall Azure Solutions

Course AZ-301T02: Designing a Data Platform Solution

1. Backing Azure Solutions with Azure Storage

- Pricing
- Blob Storage
- Files
- StorSimple

2. Comparing Database Options in Azure

- Relational Databases
- NoSQL Services
- Azure Cosmos DB
- Data Storage & Integration
- Data Analysis
- Web Apps & SQL Case Study
- Online Lab: Deploying Database Instances in Azure

3. Monitoring & Automating Azure Solutions

- Monitoring
- Backup
- Automation
- Business Continuity Case Study
- Online Lab: Deploying Configuration Management Solutions to Azure

Course AZ-301T03: Designing for Deployment, Migration, and Integration

1. Deploying Resources with Azure Resource Manager

- ARM Templates
- Role-Based Access Control (RBAC)

- Resource Policies
- Security
- Building Blocks
- Online Lab: Deploying Resources with Azure Resource Manager

2. Creating Managed Server Applications in Azure

- Infrastructure-Backed Platform-as-a-Service (PaaS)
- High-Performance Compute (HPC)
- Migration
- Online Lab: Deploying Managed Containerized Workloads to Azure

3. Authoring Serverless Applications in Azure

- Azure Web Apps
- Azure Functions
- Integration
- High Performance Hosting
- Mobile Apps Case Study
- Online Lab: Deploying Serverless Workloads to Azure

Course AZ-301T04: Designing an Infrastructure Strategy

1. Application Architecture Patterns in Azure

- Design Patterns Resources
- Performance Patterns
- Resiliency Patterns
- Scalability Patterns
- Data Patterns

2. Building Azure IaaS-Based Server Applications (ADSK)

- High Availability
- Templated Infrastructure
- Domain-Joined Virtual Machines
- Online Lab: Building Azure IaaS-Based Server Applications

3. Networking Azure Application Components

- Virtual Networks
- Load Balancing
- External Connectivity
- Secure Connectivity
- Networking Case Study
- Online Lab: Deploying Network Infrastructure for Use in Azure Solutions

4. Integrating Azure Solution Components Using Messaging Services

- Event Messaging
- Integration
- Internet of Things (IoT)
- Online Lab: Integrating Azure Solution Components using Messaging Services

Acreditación

Se emitirá Certificado de Asistencia sólo a los alumnos con una asistencia superior al 75% y Diploma aprovechamiento si superan también la prueba de evaluación.