Section 5: Deployment, Migration, and Integration
Preparation Course for Exam AZ-301
Microsoft Azure Architect Design

Design for deployment, migration, and integration (10-15%)

Design Deployments

Design a compute, container, data platform, messaging solution, storage, and web app and service deployment strategy

- Overview of Azure compute options
- CI/CD pipeline for container-based workloads
- Azure Data Architecture Guide
- Deciding when to use Azure Blobs, Azure Files, or Azure Disks
- Run a basic web application in Azure
- Improve scalability in an Azure web application
- Multitier web application built for high availability and disaster recovery on Azure
- Azure Strategy and Implementation Guide

Design Migrations

Recommend a migration strategy; design data import/export strategies during migration; determine the appropriate application migration, data transfer, and network connectivity method; determine migration scope, including redundant, related, trivial, and outdated data; determine application and data compatibility

- Best practices for securing and managing workloads migrated to Azure
- The 5 Rs of rationalization

Design an API Integration Strategy

Design an API gateway strategy; determine policies for internal and external consumption of APIs; recommend a hosting structure for API management

- API design
- API implementation

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