



Exam AZ-203

**Developing Solutions
for Microsoft Azure**

01

Develop Azure
Infrastructure as a
Service compute
solutions (10-15%)

02

Develop Azure
Platform as a
Service compute
solutions (20-25%)

03

Develop for Azure
storage (15-20%)

04

Implement Azure
security (10-15%)

05

Monitor,
troubleshoot, and
optimize solutions
(20-25%)

[Azure 203 Exam Page](#)

Contents

Develop Azure Infrastructure as a Service compute solutions (10-15%)

- Implement solutions that use virtual machines (VM)
- Implement batch jobs by using Azure Batch Services
- Create containerized solutions

Develop Azure Platform as a Service compute solutions (20-25%)

- Create Azure App Service Web Apps / Mobile Apps /API Apps
- Implement Azure functions

Develop for Azure storage (15-20%)

- Azure Table Storage ,Cosmos Db, Azure SQL, Blob Storage

Implement Azure security (10-15%)

- Implement authentication
- Access Control and secure data solutions

Monitor, troubleshoot, and optimize solutions (10-15%)

- Scalability of apps and services
- Integrating caching and cdns
- Instrumentation

Connect to and consume Azure services and third-party services (20-25%)

- App Service Logic Apps
- Azure Search
- Api Gateways (APIM)
- Event based solutions (Notification Hub / Event Grid / Event Hub)
- Azure Service bus and queues

Azure 203 Plan

App Service(3hr)

- App Service Plans
- Deploying WebApp to AppService
- Azure CLI
- Configuring WebApp Settings
- Implementing certificates and custom domain
- Diagnostic, monitoring and analytics
- Scaling Azure Web Apps
- Web API Documentation

Azure Function(3hr)

- Creating Function in Portal and Visual Studio
- Triggers, Binding and Proxies
- Rest Api with Azure Functions

Azure Storage(6hr)

- Cosmos DB (3hr)
- Blobs, Table, CDN, Redis Cache

Security(6hr)

- Authentication
- Key Vault, Managed Identity

Messaging(9hr)

- Logic Apps
- Event Grid, Azure Search, Messaging Queue

Azure VMS(3hrs)



Azure App Service

Exam AZ-203

Cloud Types



Public Cloud



Private Cloud



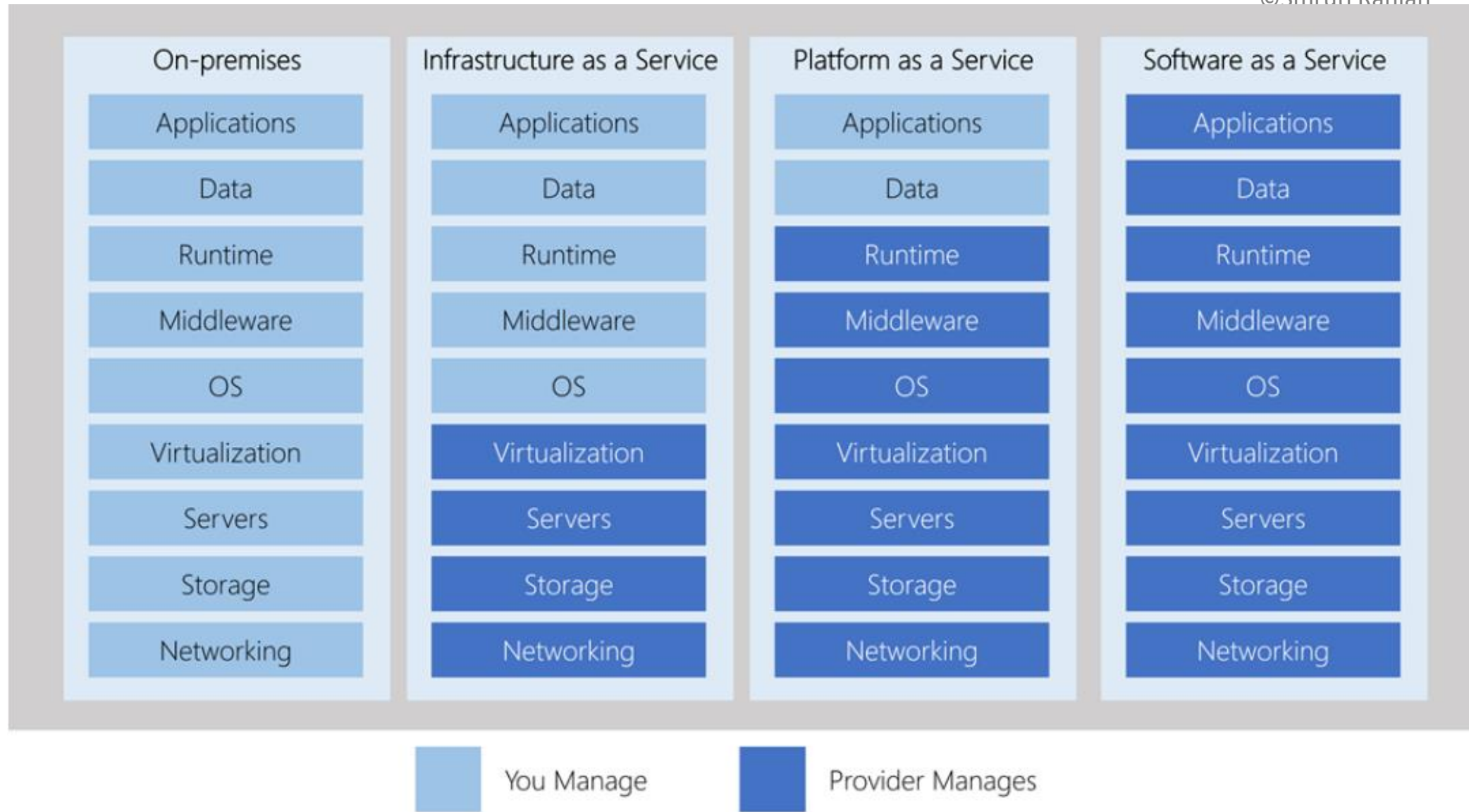
Hybrid Cloud

Types Of Cloud Services

IAAS

PAAS

SAAS



What Is Azure App Service?



App Service plan defines set of compute resources needed for a web app to run



Single App Service Plan can contain multiple web / mobile/ Web Apis



Each App Service Plan defines

Region (West US, East US, etc.)

Number of VM instances

Size of VM instances (Small, Medium, Large)

Pricing tier (Free, Shared, Basic, Standard, Premium, PremiumV2, Isolated)

App Service Plans

01

Shared compute:

Free and **Shared**, the two base tiers, runs an app on the same Azure VM as other App Service apps, including apps of other customers. These tiers allocate CPU quotas to each app that runs on the shared resources, and the resources cannot scale out.

02

Dedicated compute

The Basic, Standard, Premium, and PremiumV2 tiers run apps on dedicated Azure VMs. Only apps in the same App Service plan share the same compute resources. The higher the tier, the more VM instances are available to you for scale-out.

03

Isolated:

This tier runs dedicated Azure VMs on dedicated Azure Virtual Networks. It provides network isolation on top of compute isolation to your apps. It provides the maximum scale-out capabilities.

Demo

- Create An AppService with Appropriate App Service Plan
- Deploy Webapp to App Service

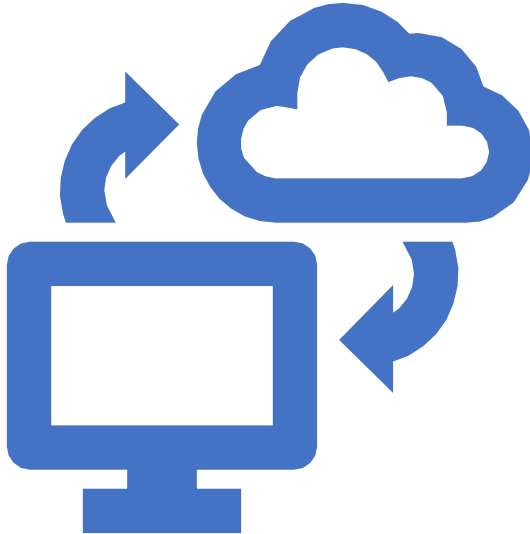




Azure CLI



Develop Azure Platform as a Service compute solutions



- App Service Plans
- Deploying WebApp to AppService
- Configuring WebApp Settings
- Deployment Slots
- Kudu Control
- Diagnostic
- Implementing certificates and custom domain
- Scaling Azure Web Apps
- WebApi Documentation

- Deployment Center
- Kudu Control
- Diagnostic logs
- Demo On Dignostics
- WebJobs
 - Continious and truggred
- Web Api
 - Documentation