

# Microsoft Azure - PaaS

Aligned with Exam code - 70-533

Exam title - Implementing Microsoft Azure Infrastructure Solutions

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**Duration: 5-6 Weeks**

## Prerequisites

- Basic Knowledge of .NET Technologies

## Microsoft Azure Developer

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### 1. Introduction

- Introduction to Cloud Computing
- Types of Cloud Computing Models
- Introduction to Azure
- Microsoft Azure Components and Services
- Benefits of Azure
- Installing the SDK

### 2. Web App and Web Jobs

- Web app introduction
- Developing web app
- Web App Configuration
- Web Job Introduction
- Create on demand web job in Azure Portal
- Create continuously running job
- Create a scheduled WebJob
- Web Job Configuration
- Web App vs Web Job

### 3. Cloud services

- Cloud Services introduction
- Web role
- Develop new Web Role App
- Develop new Worker Role App
- Difference between web role and worker role
- Deploy web role and worker role

### 4. Azure Storage and Queue

- Azure Storage Introduction
- Understanding the storage client API
- Working with Azure Tables (No SQL)
- Understand Partition Key and Row Key
- CRUD operations using Azure Tables
- Understanding the storage Queue
- Sending and Consuming messages with queues
- Introduction of blob storage
- Page Blob vs Block Blob
- Publish and manage blob using .net application

### 5. Service Bus

- Azure Service Bus Basics
- Sending and Consuming messages with Service Bus queues
- Introduction of Azure Topics
- Create Pub/Sub Application using Azure Topic
- Windows Azure Service Bus Relay Service
- Queue vs Topic Vs Relay

### 6. Caching

- Windows Azure Caching Service Introduction
- Development with the Windows Azure Caching Service
- Introduction to Redis cache

### 7. SQL Azure

- Introduction/Overview
  - Comparing SQL Azure to SQL Server
  - SQL Azure Architecture
  - Migrating Data to SQL Azure
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