AZ-900: Microsoft Azure Fundamentals (2021), Part 2 of 5: Core Azure Services

Meet the expert: Anand Rao is a senior technical instructor and cloud consultant. He has worked with large enterprises for about 15 years and has a wide range of
technologies in his portfolio.Anand Rao has delivered instructor led trainings in several states in India as well as several countries like USA, Bahrain, Kenya and UAE. He has worked as a Microsoft Certified Trainer globally for Corporate Major Clients.

Prerequisites: An Azure account is required.

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Course description: Azure Fundamentals exam is an opportunity to prove knowledge of cloud concepts, Azure services, Azure workloads, security and privacy in Azure, as well as Azure pricing and support. This covers the the core services Azure Provides including: regions, availability, virtual machines, gateways, storage and more.

Course outline:

Regions
- Introduction
- Intro
- Regions
- Special Azure Regions
- Regional Pairs
- Feature Availabilty
- Availbailty zone
- Availabilty Sets
- Resource Groups
- Azure Resource Manager
- Azure Core Services
- What is Azure Compute
- Summary

Virtual Machines
- Introduction
- Virtual Machines 1
- Virtual Machines 1 - Lab
- Virtual Machines II - Lab
- Virtual Machines III - Lab
- Virtual Machines IV - Lab
- Virtual Machines V - Lab
- Virtual Machine VI
- Summary

What Are Containers?
- Introduction
- What are Containers
- Containers - Lab
- Containers vs Virtual Machines
- Virtual Networks
- Virtual Networks Lab
- Summary

What Is a Load Balancer?
- Introduction
- What is Load Balancer
- VPN Gateway
- Azure Application Gateway
- Azure Application Gateway II
- Content Delivery Networks
- How CDN Works
- Azure CDN Lab
- Azure Storage Services
- Summary

Structued Data
- Introduction
- Structued Data
- Unstructured data
- Semistructured Data
- Blob File Disk and Archive
- Creating Storage Account
- Storage Account Overview
- Summary

Storage Account Blobs
- Introduction
- Storage Account Blobs
- Storage Account Files
- Summary

Tables and Queues
- Introduction
- Tables and Queues
- Azure Storage Explorer
- Azure Database Services
- Sql Services - Demo
- Azure Marketplace
- Summary

Internet of Things
- Introduction
- Internet of Things
- IOT HUB
- IOt HUB Demo
- Summary

Big Data Intro
- Introduction
- Big Data
- Azure Sql Data Warehouse
- HD Insights
- Azure Datalake
- Machine Learning
- Azure Machine Learning Services and Studio
- Serverless Computing
- What is Devops
- Azure Management Tools
- Powershell Demo
- Summary

Azure CLI Demo
- Introduction
- Azure CLI Demo
- Cloudshell Demo
- Deployment with JSON
- Azure Advisor
- Summary
- Summary