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# Microsoft AZ-900 Microsoft Azure Fundamentals

## Module 1: Introduction

- Instructor Introduction
- Course Overview
- Expectations

## Module 2: Cloud Fundamentals

- What is the Cloud
- Basic Terms
- Types of cloud computing
- Cloud Service Models

## Module 3: Azure's Architecture

- Regions and Availability
- Resource Groups and Management
- Azure Marketplace
- Demo- Azure Console Exploration

## Module 4: Compute

- Virtual Machines
- Containers
- Demo - Containers
- Functions
- Demo - Functions
- Windows Virtual Desktop and App Services

## Module 5: Networking and CDN

- Virtual Networks
- Load Balancers
- Gateways
- Content Delivery Network
- Network Security
- Demo - Connecting two VMs

## Module 6: Storage

- Storage
- Big Data and Analytics

Databases  
Demo - SQL Database  
Database Migration

## Module 7: Azure Solutions

IoT  
Demo - IoT Hub  
AI  
Serverless Computing

## Module 8: Administration

Security  
Identity and Access Management  
Demo - Adding Users and Groups  
Governance  
Demo - Resource Locks  
Privacy and Compliance

## Module 9: Pricing and Service Level Agreements

Managing Costs  
Demo - Pricing Calculator  
Service Level Agreements and Service Lifecycles

## Module 10: Exam Preparation

Exam Layout  
Best Practices and Study Tips  
Overview and Conclusion

## Module 11: Review Questions

Module 11 pt 1  
Module 11 pt 2  
Module 11 pt 3  
Module 11 pt 4