

MCSE Cloud Platform & Infrastructure Course Content:

1. Securing Windows Server 2016

- Exam 70-744
- Microsoft Course 20744A
- Core technical knowledge
 - Implement server hardening solutions
 - Secure a virtualization infrastructure
 - Secure a network infrastructure
 - Manage privileged identities
 - Implement threat detection solutions
 - Implement workload-specific security

2. Developing Microsoft Azure Solutions

- Exam 70-532
- Microsoft Course 20532C
- Core technical knowledge
 - Create and manage Azure Resource Manager Virtual Machines
 - Design and implement a storage and data strategy
 - Manage identity, application, and network services
 - Design and implement Azure PaaS compute and web and mobile services

3. Implementing Microsoft Azure Infrastructure Solutions

- Exam 70-533
- Microsoft Course 20533C
- Core technical knowledge
 - Design and implement Azure App Service apps
 - Create and manage Azure Resource Manager Virtual
 - Design and implement a storage strategy
 - Implement an Azure Active Directory
 - Implement virtual networks
 - Design and deploy ARM templates

4. Architecting Microsoft Azure Solutions

- Exam 70-534
- Microsoft Course 40442A
- Core technical knowledge
 - Design Azure Resource Manager (ARM) networking
 - Secure resources
 - Design an application storage and data access strategy
 - Design advanced applications
 - Design Azure Web and Mobile apps
 - Design a management, monitoring, and business continuity strategy
 - Architect an Azure Compute infrastructure

5. Designing and Implementing Cloud Data Platform Solutions

- Exam 70-473
- Microsoft Course 40441A
- Core technical knowledge
- Design and implement database solutions for Microsoft SQL Server and SQL Database
- Manage database management systems (DBMS) security
- Design for high availability, disaster recovery, and scalability
- Monitor and manage database implementations on Azure

6. Designing and Implementing a Server Infrastructure

- Exam 70-413
- Microsoft Course 20413C
- Core technical knowledge
 - Plan and deploy a server infrastructure
 - Design and implement network infrastructure services
 - Design and implement network access services
 - Design and implement an Active Directory infrastructure (logical & physical)

7. Implementing an Advanced Server Infrastructure

- Exam 70-414
- Microsoft Course 20414C
- Core technical knowledge
 - Manage and maintain server infrastructure
 - Plan and implement a highly available enterprise infrastructure

- Plan and implement a server virtualization infrastructure
- Design and implement identity and access solutions

8. Monitoring and Operating a Private Cloud

- Exam 70-246
- Microsoft Course 20246D
- Core technical knowledge
 - Configure data center process automation
 - Deploy resource monitoring
 - Monitor resources
 - Configure and maintain service management
 - Manage configuration and protection

9. Configuring and Deploying a Private Cloud

- Exam 70-247
- Microsoft Course 20247D
- Core technical knowledge
 - Design and deploy System Center
 - Configure System Center infrastructure
 - Configure the fabric
 - Configure System Center integration
 - Configure and deploy virtual machines and services

10. Designing and Implementing Big Data Analytics Solutions

- Exam 70-475

- Microsoft Course N/A
- Core technical knowledge
 - Design big data batch processing and interactive solutionsv
 - Design big data real-time processing solutions
 - Design Machine Learning solutions
 - Operationalize end-to-end cloud analytics solutions