



CORSO AZ-303 MICROSOFT AZURE ARCHITECT TECHNOLOGIES

DURATA: 5 GIORNI

PROGRAMMA

MODULE I: IMPLEMENT VMS FOR WINDOWS AND LINUX

- Select Virtual Machine Size
 - Configure High Availability
 - Implement Azure Dedicated Hosts
- Deploy and Configure Scale Sets
Configure Azure Disk Encryption

MODULE II: AUTOMATE DEPLOYMENT AND CONFIGURATION OF RESOURCES

- Azure Resource Manager Templates
 - Save a Template for a VM
 - Evaluate Location of New Resources
- Configure a Virtual Hard Disk Template
Deploy from a Template
Create and Execute an Automation Runbook

MODULE III: IMPLEMENT VIRTUAL NETWORKING

- Virtual Network Peering
- Implement VNet Peering

MODULE IV: IMPLEMENT LOAD BALANCING AND NETWORK SECURITY

- Implement Azure Load Balancer
 - Implement an Application Gateway
 - Understand Web Application Firewall
 - Implement Azure Firewall
- Implement Azure Front Door
Implementing Azure Traffic Manager
Implement Network Security Groups and Application Security Groups
Implement Azure Bastion

MODULE V: IMPLEMENT STORAGE ACCOUNTS

- Storage Accounts
 - Blob Storage
 - Storage Security
- Managing Storage
Accessing Blobs and Queues using AAD
Configure Azure Storage Firewalls and Virtual Networks

MODULE VI: IMPLEMENT AZURE ACTIVE DIRECTORY

- Overview of Azure Active Directory
 - Users and Groups
 - Domains and Custom Domains
 - Azure AD Identity Protection
 - Implement Conditional Access
- Configure Fraud Alerts for MFA
Implement Bypass Options
Configure Trusted IPs
Configure Guest Users in Azure AD
Manage Multiple Directories

MODULE VII: IMPLEMENT AND MANAGE AZURE GOVERNANCE

- Create Management Groups, Subscriptions, and Resource Groups-Azure AD Access Reviews
 - Overview of Role-Based Access Control (RBAC)
 - Role-Based Access Control (RBAC) Roles
- Implement and Configure an Azure Policy
Azure Blueprints

MODULE VIII: IMPLEMENT AND MANAGE HYBRID IDENTITIES

- Install and Configure Azure AD Connect
- Configure Password Sync and Password Writeback
- Configure Azure AD Connect Health

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MODULE IX: MANAGE WORKLOADS IN AZURE

- Migrate Workloads using Azure Migrate
 - VMware – Agentless Migration
 - VMware – Agent-Based Migration
- Implement Azure Backup
 - Azure to Azure Site Recovery
 - Implement Azure Update Management

MODULE X: IMPLEMENT CLOUD INFRASTRUCTURE MONITORING

- Azure Infrastructure Security Monitoring
 - Azure Monitor
 - Azure Workbooks
 - Azure Alerts
 - Log Analytics
- Network Watcher
 - Azure Service Health
 - Monitor Azure Costs
 - Azure Application Insights
 - Unified Monitoring in Azure

MODULE XI: MANAGE SECURITY FOR APPLICATIONS

- Azure Key Vault
- Azure Managed Identity

MODULE XII: IMPLEMENT AN APPLICATION INFRASTRUCTURE

- Create and Configure Azure App Service
 - Create an App Service Web App for Containers
 - Create and Configure an App Service Plan
 - Configure Networking for an App Service
- Create and Manage Deployment Slots
 - Implement Logic Apps
 - Implement Azure Functions

MODULE XIII: IMPLEMENT CONTAINER-BASED APPLICATIONS

- Azure Container Instances
- Configure Azure Kubernetes Service

MODULE XIV: IMPLEMENT NOSQL DATABASES

- Configure Storage Account Tables
- Select Appropriate CosmosDB APIs

MODULE XV: IMPLEMENT AZURE SQL DATABASES

- Configure Azure SQL Database Settings
- Implement Azure SQL Database Managed Instances
- High-Availability and Azure SQL Database

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