CORSO AZ-140

CONFIGURE AND OPERATE MICROSOFT AZURE VIRTUAL DESKTOP

PRESENTAZIONE

Il corso insegna agli amministratori Azure a pianificare, distribuire e gestire esperienze desktop virtuali e RemoteApp su Microsoft Azure per qualsiasi dispositivo.
Le lezioni e i laboratori trattano networking, host pool e session host, immagini dei session host, FSLogix, accesso e sicurezza, applicazioni, monitoraggio di prestazioni e integrità e automazione delle attività amministrative di Azure Virtual Desktop. Le esercitazioni mirano anche a ottimizzare desktop e applicazioni per ambienti multisessione.

CERTIFICAZIONE

Il corso prepara all'esame **AZ-140 - Configuring and Operating Microsoft Azure Virtual Desktop**. Questo esame è parte dei requisiti per ottenere il badge **Microsoft Certified: Azure Virtual Desktop Specialty**.

DESTINATARI

- Azure Administrator
- Azure Architect
- Microsoft 365 Administrator
- Azure Security Engineer
- Amministratori Azure Local



Ambito: Cloud Computing



Vendor: Microsoft



+ Aula virtuale + one-to-one vILT + presenza in aula



Corso italiano e materiale in inglese



Partecipanti: Min 4 Max 8



4 giorni (32 ore) 9-13/14-18



Docenti certificati Cloud Architect ed MCT



Laboratorio: SI



Materiale su supporto elettronico



Attestato di partecipazione

FINALITÀ

- Pianificare un'architettura Azure Virtual Desktop
- Implementare networking, host pool, session host e immagini
- Gestire identità, accessi, sicurezza e profili utente
- Configurare e amministrare FSLogix
- Pubblicare desktop e RemoteApp e gestire gli ambienti utente
- Implementare alta disponibilità, continuità operativa e disaster recovery
- Monitorare prestazioni, integrità e utilizzo
- Automatizzare le attività di gestione con portale, template, PowerShell, Azure CLI e Cloud Shell

PREPARAZIONE RACCOMANDATA

Microsoft richiede solide competenze di amministrazione Azure.
Sono attese:

- Esperienza con virtualizzazione e infrastrutture VDI on-premises
- Conoscenza di rete, identità, compute e storage Azure
- Esperienza con backup, ripristino, resilienza e disaster recovery
- Capacità di gestire ambienti desktop utente, applicazioni e impostazioni utente
- Familiarità con Azure Portal, Azure PowerShell e Cloud Shell
- Conoscenza dei concetti di Microsoft Entra ID e Active Directory Domain Services
- Conoscenza di base di immagini Windows, profili e gestione applicativa

PREZZI

Quota di partecipazione in aula: **€ 1.390 + IVA**
Sono disponibili sconti per partecipazioni in gruppo

Microsoft Partner

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PROGRAMMA DEL CORSO AZ-140

Module 1: Azure Virtual Desktop Architecture
- Azure Virtual Desktop for the enterprise
- Azure Virtual Desktop components
- Personal and pooled desktops
- Service updates for Azure Virtual Desktop
- Azure limitations for Azure Virtual Desktop
- VM sizing
- Azure Virtual Desktop pricing

Module 2: Design the Azure Virtual Desktop architecture
- Assess network capacity and speed requirements for Azure Virtual Desktop
- Determine the connection round-trip time (RTT) from a location through the Azure Virtual Desktop service
- Recommend an operating system for a Azure Virtual Desktop implementation
- Describe the two load-balancing methods for Azure Virtual Desktop
- Recommendation subscriptions and management groups for Azure Virtual Desktop
- Recommend a configuration for performance requirements

Module 3: Design for user identities and profiles
- Select an appropriate licensing model for Azure Virtual Desktop based on requirements
- Personal and multi-session desktop scenarios
- Recommend an appropriate storage solution
- Plan for a Desktop client deployment
- Plan for Azure Virtual Desktop client deployment - Remote Dsktop Protocol (RDP)
- Windows Desktop client to multiple devices
- Hybrid Identity with Entra ID
- Plan for Entra Connect for user identities

Module 4: Implement and manage networking for Azure Virtual Desktop
- Describe Azure Virtual Desktop network connectivity
- Analyze connection quality in Azure Virtual Desktop
- Describe Remote Desktop Protocol (RDP) bandwith requirements
- Configure RDP Shortpath for Azure Virtual Desktop sample scenarios
- Plan and implement Quality of Service for Azure Virtual Desktop
- Plan an Azure Private Link solution for Azure Virtual Desktop
- Create and RDP connection to a Windows VM using Azure Bastion
- Monitor and troubleshoot network connectivity for Azure Virtual Desktop

Module 5: Implement and manage storage for Azure Virtual Desktop
- Plan storage for Azure Virtual Desktop user data
- Understand Azure storage management
- Configure Azure NetApp Files tiers
- Implement storage accounts for Azure Virtual Desktop

Module 6: Create and configure host pools and session hosts for Azure Virtual Desktop
- Configure host pool assignment type
- Automate creation of an Azure Virtual Desktop host pool using PowerShell
- Customize Remote Desktop Protocol (RDP) properties for a host pool
- Manage licensing for session hosts that run Windows client

Module 7: Create and manage session host image for Azure Virtual Desktop
- Create a managed VM image for an Azure Virtual Desktop-specific configuration
- Modify a session host image
- Plan for image update and management
- Create and use an Azure Compute Gallery for Azure Virtual Desktop
- Install language packs in Azure Virtual Desktop

Module 8: Manage access for Azure Virtual Desktop
- Select an identity strategy for Azure Virtual Desktop
- Select an authentication strategy for Azure Virtual Desktop
- Describe Role-based access control (RBAC) for Azure Virtual Desktop
- Plan and implement Azure roles and role-based access control (RBAC) for Azure Virtual Desktop
- Assign RBAC roles to the Azure Virtual Desktop service principals
- Enforce Microsoft Entra MFA for Azure Virtual Desktop using Conditional Access
- Using Azure Virtual Desktop with Microsoft Intune

Module 9: Manage security for Azure Virtual Desktop
- Security recommendations for Azure Virtual Desktop
- Connecting your Azure subscriptions to Microsoft Defender for Cloud
- Planning Microsoft Defender for Endpoint for Azure Virtual Desktop sessions
- Applying Zero Trust principles to an Azure Virtual Desktop deployment
- Understanding security posture management and threat protection

Module 10: Implement and manage FSLogix
- Understanding FSLogix
- Understanding FSLogix containers
- Configuring FSLogix Profile Containers
- Configuring FSLogix Office Containers
- Configuring profile containers with Cloud Cache
- Using FSLogix Apps RuleEditor and Rule Sets
- Creating and implementing Rule Sets for application masking

Module 11: Configure user experience settings
- Connect to Azure Virtual Desktop with the Remote Desktop client for Windows
- Configure session timeout properties
- Configure user settings through group policies
- Implement the Start Virtual Machine on Connect feature
- Configure Universal Print
- Configure device redirections
- Troubleshoot Azure Virtual Desktop clients

Module 12: Install and configure apps on a session host
- Describe MSIX app attach for Azure Virtual Desktop
- Explain how MSIX app attach works
- Set up a file share for MSIX app attach
- Use the OneDrive sync app on Azure Virtual Desktops
- Use Microsoft Teams on Azure Virtual Desktop
- Publish built-in apps in Azure Virtual Desktop

Module 13: Monitor and manage performance and health
- Configure log collection and analysis for Azure Virtual Desktop session hosts
- Monitor Azure Virtual Desktop by using Azure Monitor
- Customize Azure Monitor workbooks for Azure Virtual Desktop Insights
- Optimize for capacity and performance
- Monitor Azure Virtual Desktop by using Azure Advisor
- Implement scaling plans in host pools

Module 14: Plan and implement updates, backups, and disaster recovery
- Plan for disaster recovery for Azure Virtual Desktop
- Design and implement a backup strategy for Azure Virtual Desktop
- Monitor costs by using Azure Cost Management

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