

MAZR-10 - MOC 20537 - CONFIGURING AND OPERATING A HYBRID CLOUD WITH MICROSOFT AZURE STACK

Categoria: **Azure**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
Azure



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

After completing this course, students will be able to:

- Describe the components and architecture of Microsoft Azure Stack.
- Deploy Microsoft Azure Stack.
- Understand the Windows Server 2016 features used in Microsoft Azure Stack.
- Understand how DevOps use Microsoft Azure Stack.
- Offer resources in Microsoft Azure Stack.
- Manage IaaS in Microsoft Azure Stack.
- Manage PaaS in Microsoft Azure Stack.
- Manage updates in Microsoft Azure Stack.
- Perform monitoring and troubleshooting in Microsoft Azure Stack.
- Understand how licensing and billing works in Microsoft Azure Stack.

PREREQUISITI

Before attending this course, students must have:

- Working knowledge of Windows Server 2016.
- Working knowledge of SQL Server 2014.
- Working knowledge of Microsoft Azure.

CONTENUTI

Module 1: Overview of Azure Stack

- What is Azure Stack?
- Comparing Azure Stack with Microsoft Azure.
- Comparing Azure Stack to Windows Azure Pack.

Module 2: Foundational Components of Microsoft Azure Stack

- Windows Server 2016 and System Center 2016.
- Identity and Authentication.

Lab : Reviewing the Azure Stack Infrastructure

- Reviewing the Azure Stack Infrastructure Components.

Module 3: Deploying Microsoft Azure Stack

- Microsoft Azure Stack Architecture.
- Azure Stack Prerequisites.
- Installing Azure Stack.

Lab : Confirming prerequisites and installing Microsoft Azure Stack

- Confirming the prerequisites.
- Confirming the installation was successful.

Module 4: Offering Microsoft Azure Stack Resources

- Working with Plans and Offers.
- Microsoft Azure Stack Marketplace.
- Enabling Multi-Tenancy in Azure Stack.
- Integrating Azure Stack with Windows Azure Pack.

Lab : Managing Offers and Plans in Microsoft Azure Stack

- Configuring Plans.
- Configuring Offers.
- Subscribing to an Offer.
- Creating a new Marketplace Item

Module 5: Microsoft Azure Stack and DevOps

- Technologies used in Microsoft Azure Stack for DevOps.
- Azure Resource Manager Templates.
- Third-party Resource Providers.

Lab : Debugging and Deploying ARM Templates

- Using Windows PowerShell to obtain API versions.
- Debug an ARM Template with Visual Studio.

Module 6: Infrastructure as a Service and Microsoft Azure Stack

- Software Defined Networking improvements with Microsoft Azure Stack and Windows Server 2016.
- Azure Stack Storage.
- Virtual Machines in Microsoft Azure Stack.

Lab : Provisioning Storage and Virtual Machines in Microsoft Azure Stack

- Creating a Subscription and Resource Groups.
- Creating Storage Accounts.
- Creating a Virtual Network.
- Creating Virtual Machines.

Module 7: Platform as a Service and Microsoft Azure Stack

- Understanding the Platform as a Service.
- SQL Server and MySQL Server Providers in Microsoft Azure Stack.
- App Service Resource Provider.
- Azure Key Vault.
- Azure Functions.

Lab : Configuring Platform as a Service in Azure Stack

- Adding hosting servers.
- Configuring a Plan and Offer.
- Creating SQL Server databases.
- Configuring a Plan and Offer for App Service.

Module 8: Monitoring in Microsoft Azure Stack

- Field Replaceable Unit.
- Azure Stack Control Plane Monitoring.
- Patching the Azure Stack Infrastructure.
- Monitoring Guest Workloads in Microsoft Azure Stack.
- Troubleshooting Azure Stack.
- Protecting Azure Stack and Tenant Workloads.

Lab : Troubleshooting and Monitoring Microsoft Azure Stack and Guest Operating Systems

- Monitoring Azure Stack.
- Monitoring Guest Operating Systems.
- Troubleshooting Azure Stack using the Audit Logs and Alerts.

Module 9: License Microsoft Azure Stack and Billing Tenants

- How to license and pay for Azure Stack.
- Azure Consistent Usage API.
- Business Costs and Models with Azure Stack.

Lab : Obtaining Usage Information

- Obtaining tenant and Azure Stack usage information.

INFO

Esame: 70-537 - Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack

Manuale: Materiale didattico ufficiale Microsoft in formato digitale

Prezzo manuale: 250 € incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)