

70-533 Implementing Microsoft Azure Infrastructure Solutions

- Amazon Web Services and Microsoft Azure are considered as the only “leaders” out of ten top vendors ranked in the Gartner Inc.’s Infrastructure as a Service (IaaS) Magic Quadrant which judges them according to their “completeness of vision” and “ability to execute”.
- Azure offers PaaS Capabilities - Both Azure and AWS offer similar IaaS capabilities for virtual machines, networking, and storage. However, Azure provides stronger PaaS capabilities which is an important piece of Cloud infrastructure today. Microsoft Azure PaaS provides application developers with the environment, tools, and building blocks that they need to rapidly build and deploy new cloud service.
- Azure offers Hybrid capabilities- Azure provides a broader range of hybrid connections including virtual private networks (VPNs), caches, content delivery networks (CDNs), and ExpressRoute connections to seamlessly connects datacenters to the Cloud.
- The 'Enterprise Agreement' Advantage - If an organization already uses Microsoft software and has the 'Enterprise Agreement' with Microsoft. It is entitled to obtain discounts on the Microsoft software being used as Microsoft usually tweaks these agreements to lower the pricing of Azure. Thus, with the enterprise agreement, enterprises can typically obtain significant incentives for using Azure.

Implementing Microsoft Azure Infrastructure Solutions

- ❖ Training prepares you for both the final exam and the real-world job role working with Microsoft Azure.
- ❖ Validate your skill in building a Microsoft Azure cloud.
- ❖ Demonstrating your skills and establishing your credibility to help your organization to reduce the risks when implementing projects on Microsoft Azure.
- ❖ Azure Certified Professional are required to have expertise in using Azure hybrid connections such as virtual private networks (VPNs), content delivery networks (CDNs), and ExpressRoute connections to seamlessly connect datacenters to the Cloud. This improves usability and performance.
- ❖ This certification also covers building secure, reliable and highly available applications on the Azure platform and selecting the appropriate Microsoft Azure services based on data, compute, database, or security requirements.

What You'll Learn

Describe core Microsoft Azure architecture components, including infrastructure, tools, and portals.

Implement and manage Virtual Networks for Azure Infrastructure, Create a Virtual Network and Deploy a VM into a Virtual Network, Azure Internal & External Load Balancer, Azure VPN Gateways, Azure Vnet-to-Vnet VPNs, Deploy an Azure VPN, ExpressRoute Connectivity Options and connect to on-premises environments.

PaaS vs. IaaS, Workloads, Azure VM Image Galleries, ARM Azure VM Architecture, Azure VM Pricing, Deploying Windows & Linux Azure VM, Configure, manage, and monitor Azure virtual machines to optimize availability and reliability

Implementing Storage for Azure Infrastructure: Azure Storage Types, Understanding Blobs & Blob Types, Standard & Premium Azure Storage Accounts, Azure Storage Pricing, Azure Import/Export Service and Tools, Azure Storage Permissions Model

Learn how to work with Active Directory and Microsoft Azure to ensure that an organization's infrastructure can become Azure compliant and can be moved to Microsoft's secure data centres in a cost-effective and efficient manner.

Implementing Active Directory for Azure Infrastructure: Understand Azure Active Directory, Assign Permissions in Azure AD, Use Azure AD Connect to Deploy AD, Integrate on-premises Windows AD with Azure AD, Azure AD for Federation

Implementing Web Apps for Azure Infrastructure: Azure Websites vs. Web Apps, Deploying, Configuring and Managing Websites,

Azure Recovery Services, Azure Site Recovery Architecture, Azure SQL Backup and Restore, Configure Azure Backup and Perform Azure Backup and Recovery

Implement and Configure SQL Databases: Azure SQL Deployment Model, Create an Azure SQL Database, Make a Remote Connection to Azure SQL, SQL Server Database Import and Export, Geo-replication and Scaling Options.