

Administering Hyper-V Core Infrastructure



Learn Remotely..

Online Course

ZETLAN TECHNOLOGIES
www.zetlantech.com

Administering Hyper-V Core Infrastructure

Course Modules



1: Identity services in Windows Server

- Describe AD DS in a Windows Server environment.
- Azure AD & the benefits of integrating Azure AD with AD DS.
- Deploy domain controllers in AD DS.
- Explain Group Policy basics and GPOs in a domain envmt
- Manage AD DS domain controllers and FSMO roles
- Implement Group Policy Objects
- Manage advanced features of AD DS

2: Implementing identity in hybrid scenarios

- Implement hybrid identity with Windows Server
- Integrate on-premises Active Directory Domain Services
- Install & config directory synchronize usg Azure AD Connect.
- Implement and configure Azure AD DS.
- Implement Seamless Single Sign-on (SSO).
- Implement and configure Azure AD DS.
- Install a new AD DS forest on an Azure VNet.
- Deploy Azure IaaS Active Directory domain ctrlr in Azure

3: Windows Server administration

- Explain least privilege administrative models.
- Decide when to use privileged access workstations.
- Select aprpt Windows Server administration tool .
- Apply different methods to perform post-installation
- Constrain privileged administrative operations



Administering Hyper-V Core Infrastructure

For Enquiry: +91 8680961847

4: Facilitating hybrid management

- Tools and techniques to manage Windows IaaS VMs remotely.
- Connect hybrid machines to Azure from the Azure portal.
- Use Azure Arc to manage devices.
- Restrict access using RBAC.



5: Hyper-V virtualization in Windows Server

- Install and configure Hyper-V on Windows Server.
- Configure and manage Hyper-V virtual machines.
- Use Host Guardian Service to protect virtual machines.
- Create and deploy shielded virtual machines.
- Configure and manage container workloads.
- Orchestrate container workloads using a Kubernetes cluster.

6: Deploying and configuring Azure VMs

- Create a VM from the Azure portal and from Azure Cloud Shell.
- Deploy Azure VMs by using templates.
- Automate the configuration of Windows Server IaaS VMs.
- Detect and remediate non-compliant servers.
- Create new VMs from generalized images.
- Use Azure Image Builder templates

7: Network infrastructure services in Windows Server

- Implement automatic IP configuration with DHCP
- Deploy and config name resolution with Windows Server DNS.
- IPAM to manage an organisation's DHCP and DNS servers, etc.,
- Select, use, and manage remote access components.
- Implement Web Application Proxy (WAP)

Free Advice: +91 9600579474

www.zetlantech.com

Administering Hyper-V Core Infrastructure

For Enquiry: +91 8680961847

8: Implementing hybrid networking infrastructure

- Implement an Azure virtual private network (VPN).
- Configure DNS for Windows Server IaaS VMs.
- Run a DNS server in a Windows Server Azure IaaS VM.
- Create a route-based VPN gateway using the Azure portal.
- Implement Azure ExpressRoute.
- Implement an Azure wide area network (WAN).
- Manage Microsoft Azure virtual networks (VNETs).
- Manage IP address configuration

9: File servers and storage management in Windows Server

- Configure and manage the Windows Server File Server role.
- Protect data from drive failures using Storage Spaces.
- Increase scalability and performance of storage management
- Optimise disk utilisation using Data Deduplication.
- Configure high availability for iSCSI.
- Enable replication of volumes between clusters
- Use Storage Replica to provide resiliency

10: Implementing a hybrid file server infrastructure

- Configure Azure file services.
- Configure connectivity to Azure file services.
- Implement Azure File Sync.
- Deploy Azure File Sync
- Manage cloud tiering.
- Migrate from DFSR to Azure File Sync.



Free Advice: +91 9600579474

www.zetlantech.com



**LEARN
REMOTELY!!**

The efficiency of online learning
in terms of time management,
flexibility, and the ability
to access resources anytime,
anywhere can be compelling.



ZETLAN TECHNOLOGIES
www.zetlantech.com

**For contact: +91 8680961847
+91 9600579474**

