MCSE Window Server -2016 Course Content – HB Services

Installation and Configuring Windows Server -2016 R2

Module: 1 Deploying and managing windows server-2012R2

Windows server-2008R2 windows server 2012 overview of windows server management-Installing **windows server-2012 R2** datacenter-Post installation configure of windows server 2012-introdution to windows power shell.

Module:2 Introduction to Active Directory Domain services

Overview of ADDS – overview of features – overview of Domain controller – Installing forest Domain controller.

Module:3 Managing Active Directory Domain Services Objects

Managing and create user account – managing group account – managing computer account – managing user profile and properties.

Module:4 Implementing DHCP

Installing DHCP server roles and features – configure DHCP IP ADDRESS scope – Managing lease duration- implementing DORA process .

Module: 5 Implementing DNS

Installing managing DNS server – Managing DNS zones – forward lookup zones and reverse lookup zone-nslookup.

Module:6 Implementing local storage

Overview of storage - Managing Disk and Volumes- Implementing storage spaces.

Module:7 Implementing File and Print services

Implementing print and Document services – installing Print and Document Roles – configure Print server – deploying with group policy.

Module: 8Implementing group policy

Overview of group policy – implementing computer configuration – implementing user configuration.

Module:9 Securing windows server with group policy

Creating user policy-edit the permission-link with OU –check with the client computer.

Module: 10 Implementing server virtualization with Hyper-v

Overview of virtualization technologies – implementing Hyper-v –managing virtual machine – managing virtual storage .

Module: 11 Managing virtual network

Implementing of virtual switch - Types of v-switch – private switch, internal switch, external switch – install and configure v-switch.

Administering Windows Server – 2016 R2

Module:1 Deploying and maintaining server images

Overview of windows Deployment services – implementing Deployment with windows – Deployment services - managing PXE-boot.

Module: 2 Configuring and troubleshooting Domain name system

Installing the DNS server Role – configuring the DNS server role – managing and troubleshooting DNS.

Module: 3 Maintaining Active Directory domain services

Overview of AD DS – implementing virtualized Domain controllers – implementing RODC – Administering ADDS – managing the ADDS database

Module: 4 Implementing Remote access roles

Implementing remote access – installing Remote Access – configuring Virtual private Network (VPN) Access

Module: 5 Implementing Network policy server roles

Implementing NPS – installing and configuring NPS

Module: 6 Configuring Encryption and advanced auditing

Encrypting Files by Using Encrypting File system – configure Advanced Auditing

Module: 7 Implementing update management

Overview of WSUS – installing and configuring WSUS – synchronic with Microsoft - Deploying Updates with WSUS

Module: 8 Monitoring windows server - 20016R2

Monitoring Tools – using Performance Monitor – monitoring Event logs

Configuring advanced windows server 2016-R2 services

Module:1 Implementing Advanced Network Services

Configuring Advanced DHCP features – multi scope and super scope – DHCP ip reservation - DHCP ip lease duration

Module: 2 Implementing Advanced File services

Configuring ISCSI storage – configuring Branch Cache – Optimizing Storage usage

Module: 3 Implementing Dynamic Access Control

Overview of Dynamic Access Control – Planning for Dynamic Access control – Deploying Dynamic Access control

Module: 4 Implementing Distributed Active Directory Domain Services Deployments

Overview of Distributed ADDS Deployment – Deploying a Distributed ADDS environment – configuring ADDS trusts- configure transitive trust non-transitive trust

Module: 5 Implementing Active Directory Domain Services Sites and replication

Overview of ADDS Replication – configuring ADDS sites – configuring and ADDS replication

Module: 6 Implementing Active Directory Rights Management Services

ADRMS overview – Deploying and Managing and ADRMS configuration – user Deployment

Module: 7 Implementing AD recycle bin

Overview of AD recycle bin – configuration of AD recycle bin – recovery the user , groups , computer objects

Module: 8 Implementing Failover clustering

Overview of Failover clustering – implementing a failover Cluster – configuring Highly available applications

Module: 9 Implementing Disaster Recovery

Overview of Disaster recovery – Implementing windows server backup – implementing server and data recovery

Designing and Implementing a Server Infrastructure

Module: 1 Planning server upgrade and migration
Upgrade and migration considerations – Creating a server upgrade and migration – install and migrate windows server 2012 to server 2016

Module: 2 Planning and Implementing a server Deployment Infrastructure
Overview of WDS role - install and configure WDS – check the client side Deployment

Module: 3 Planning to Deployment the web server (IIS) in infrastructure
Overview of web server - Install the web server (IIS) – configure the ftp server – configure the windows authentication – connect the ftp server in client side - Set the file permission

Module: 4 Designing and implementing an Active Directory Domain Services Forest and Domain Infrastructure
Designing an ADDS forest – Designing and Implementing ADDS forest trust - Designing and implementing ADDS Domains – Designing DNS namespaces in ADDS – Environments Designing ADDS Domain trust

Module: 5 Designing and Implementing an OU infrastructure and ADDS permission Model
Planning the ADDS Administrator Tasks Delegation Model – Designing the OU structure – Designing and Implementing an ADDS group strategy

Module: 6 Designing and Implementing an virtual Topology
Designing and Implementing ADDS site – Designing ADDS replication – Virtualization considerations for Domain controllers – Designing Highly – Available Domain Controller

Module: 7 Planning and Implementing storage
Storage consideration – planning and implementing ISCSI SANs

Module: 8 Designing and Implementing Network Protection
Overview of Network Security Design – Implementing a windows Firewall Strategy – Designing and Implementing a network access protection Infrastructure

Implementing an Advanced server Infrastructure

Module: 1 Planning and Implementing Network and storage for virtualization
Planning a storage infrastructure for virtualization – Implementing a Storage infrastructure for virtualization – planning - Planning and Implementing a network infrastructure for virtualization

Module: 2 Planning and Implementing Snapshot manger
Planning and Implementing snapshot manager – planning and implementing before snapshots and after snapshot in host manager

Module: 3 Planning and Implementing Network encryption and network bit locker
Planning and Implementing Bit locker and Driver encryption – planning and Implementing wireless lan service

Module: 4 Planning and Implementing an Identity federation infrastructure
Planning and implementing an ADFS server infrastructure – planning and Implementing ADFS claim providers and relying – parties Planning and Implementing ADFS claims and claims Rules

Module: 5 Planning and Implementing an information Rights management infrastructure

Planning and implementing an ADRMS cluster – planning and Implementing ADRMS Templates and Policies – planning and Implementing External Access to ADRMS services – planning and implementing ADRMS integration with Dynamic access control (DAC)

Module: 6 Planning and Implementing the Accidental deletion Recovery

Planning and implementing the AD recycle bin – prevent the accidental deletion – recovery the user and group object in Recycle bin

For more details, please Call or Whatsapp +91-9884987719