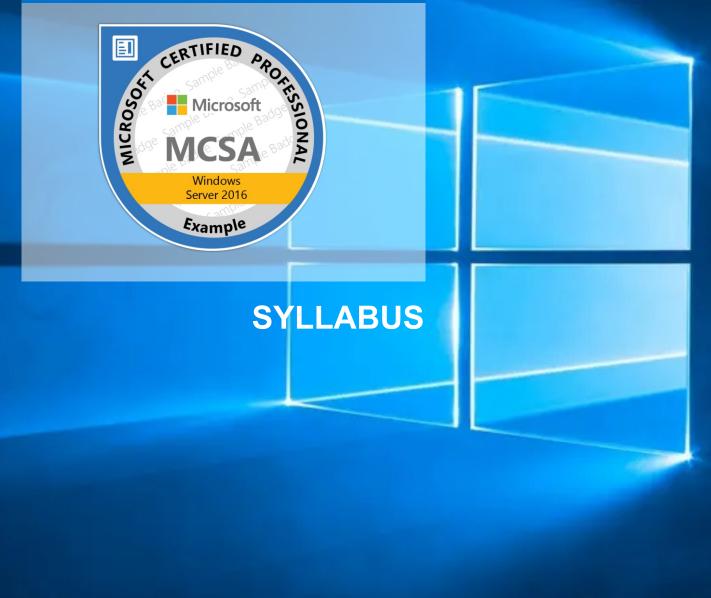
## Windows Server Admin 2016





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Introduction to windows	Introduction to OS and its types	Initial Lab Setup
server 2016	Difference between domain and workgroup model	Installtion Server 2016 (GUI)
	Comparision of Desktop v/s server	Installation of Server(Core)
	Min hardware Requriement , Editions, Types of Installtion	Post installation task
Local Storage	Basic Storage devices, Disk Type Partition Style , File System	Creating Basic , MBR Partition
	Dynamic Disk and Volumes, Introduction to RAID	Creating Dynamic Volumes
Active Directory	Introduction to AD	Deploying DC
	Active Directory Objects	
	Active DirectoryComponents	Managing users
	Logical structure of AD	Managing groups
	Physical structure of AD	Managing Ous
File Server	Introduction to File Server	Share permission
	types of Permissions	NTFS Permission
	Offline File Sharing	Offline file sharing
DHCP	Introduction to DHCP	Deploying DHCP server
	DHCP Components and its working	Configuring and managing DHCP
	Managing and Troubleshooting DHCP	DHCP Failover
	DHCP Failover	
DNS	Introduction to DNS	Implementing DNS server
	DNS Hierarchy	Configuring zones in DNS
	DNS terminologies	configuring Name resolution between DNS zones
	DNS zones	
	DNS records	
	DNS types	configuring advanced DNS setting
	DNS working	
Group policy	Introduction to Group policy	Configure GP for Users and Computers
	Implemeting and admiistrating GPOs	Configure security policies
	Group Policy scope and Group policy processing	configure folder redirection
	Implementing administrative templates	configure software installation and
	Folder redirection, Software installation and security policy	Configure software restriction policy
Hyper-V	Overview of Hyper-V	Installing hyper-v
	Types of VMs	Configure storage on hyper-v host
	Types of Virtual HDD	Configure networking on hyper-v host
	Hyper-v Networking	Configure hyper-v in virtual machines
	Managing Hyper-V	Managing hyper-v machines

Overview of DHCP relay agent	Implement and configure DHCP relay agent server
Introduction to WDS	Implementing WDS server
Components of WDS	Configuring WDS
Introduction to WSUS	Implementing WSUS server
Components of WSUS	Configuring WSUS
Introduction to FSMO	Configuring ADC
Types of FSMO	Transfering FSMO roles
Introduction to ADC	Seizing FSMO roles
Components of ADC	configuring IFM
IFM	
Introduction to CDC	Configuring CDC
Parent-Child relationship	Configure RoDC
Introduction to RoDC	
Components of RoDC	
Introduction to FSRM	Install FSRM
	Configure file screening
Quota management, Configure Reports	Configure quota management & reports
Overview NIC teaming	Configure NIC teaming
	install and configure DFS Name
	space
DFS name space	install and configure DFS
	Replication
	Implementing VPNs
	Configuring VPN
	Implementing NAT
	Configuring NAT
	Configuring NLB
	Managing NLB
	Install and conffigure iSCSI
Introduction to storage space	Implementing and managing storage space
Working of Storage space	
	Preparing for upgrade
	Upgrading 2012 os to 2016
	configuring data deduplication
	installing FOC
	Creating and configuring new FOC
-	Maintaining FOC
	Configure windows backup and
Types of Backup	restore
i ypes ui backup	
Stratergy for Backup	
	Introduction to WDSComponents of WDSIntroduction to WSUSComponents of WSUSIntroduction to FSMOTypes of FSMOIntroduction to ADCComponents of ADCIFMIntroduction to CDCParent-Child relationshipIntroduction to RoDCComponents of RoDCIntroduction to FSRMFile ScreeningQuota management, Configure ReportsOverview NIC teamingNiC teaming terminologies and workingIntroduction to VPNVPN protocolsPlanning VPNIntroduction to NATTypes of NATingIntroduction to NLBWorking of NLBTerminologies of NLBIntroduction to Server upgradationPre-requisites to upgradeIntroduction to Server upgradationPre-requisites to upgradeIntroduction to ROCFOC componentsFOC supported servicesIntroduction to ROCFOC supported servicesIntroduction to Backup

	Types of AD trust	Configuring ADDs trust relationship
AD Sites and Replication	Introduction to Ad site	Cofiguring AD sites and replication
	Importance of AD site replication	
Nano server	Introduction to nano server	Installing and configuring nano server
	Impotance of nano server	
	Pre-requisites for nanoserver	
Advanced Hyper-V	Nested virtualization	Implementing nested virtualization
	Hyper-V Advanced features	Hyper-v live migration
IPAM	Introduction to IPAM	Implementing IPAM
	IPAM components and working	
Windows Powershell	Introduction to powershell	Working with powershell commandlets
	Basic Commandlets	
	Comparision of command prompt and powershell	
Introduction to Dockers and	Introduction to Dockers	Demonstration Docker and Container
containers	Intoduction to Containers	
Managing & monitoring servers	Introduction	Monitoring using performance monitor
	Tools used for monitoring	Resource monitor
		event viewer
		3rd party application monitoring tool
Ticketing system	Introuction to Ticketing system	Demonstration on Ticketing Tool
	Working	
	Ticketing Tools	