

COURSE GENERAL TIMING

Session	Duration	Time Duration in minutes
Session 1	9:00 AM to 10:45 AM	105
Break	10:45 AM to 11:00 AM	15
Session 2	11:00 AM to 12:30 PM	90
Break	12:30 PM to 1:30 PM	60
Session 3	1:30 PM to 2:45 PM	75
Break	2:45 PM to 3:00 PM	15
Session 4	3:00 PM to 5:00 PM	120







COURSE CONTENT

Main Topics	Sub-topics	Duration (hours)			
	DAY 1				
Module 1: Windows Server Administration Overview	Introducing Windows Server 2019 Windows Server Core Overview Windows Server administration principles and tools overview Lab: Deploying and configuring Windows Server Deploying and configuring Server Core Implementing and using remote server administration	3			
Module 2: Identity Services in Windows Server	 AD DS Overview Deploying Windows Server domain controllers Azure AD overview Implementing Group Policy Active Directory Certificate Services overview Lab: Implementing Identity Services and Group Policy Deploying new domain controller on Server Core Configuring Group Policy Deploying and using certificate services Explain Group Policy basics and configure GPOs in a domain environment Describe the role of Active Directory certificate services and certificate usage 	3.5			
Total Break Duration		1.5			
	DAY 2				
Module 3: Network Infrastructure services in Windows Server	 Deploying and managing DHCP Deploying and managing DNS service Deploying and managing IPAM Remote Access Services in Windows Server Lab: Implementing and configuring network infrastructure services in Windows Server Deploying and configuring DHCP Deploying and configuring DNS Implementing Web Application Proxy 	2.5			
Module 4: File Servers and Storage management in Windows Server	Volumes and File Systems in Windows Server Implementing sharing in Windows Server Implementing Storage Spaces in Windows Server Implementing Data Deduplication Implementing iSCSI Deploying Distributed File System	2			







Module 5: Hyper-V virtualization and containers in Windows Server	Lab: Implementing storage solutions in Windows Server	2
Total Break Duration	mistalling and companing containers	1.5
	DAY 3	
Module 6: High Availability in Windows Server	 Planning for failover clustering implementation Creating and configuring failover cluster Overview of stretch clusters High availability and disaster recovery solutions with Hyper-V VMs Lab: Implementing failover clustering Configuring storage and creating a cluster Deploying and configuring a highly available file server Validating the deployment of the highly available file server 	2.5
Module 7: Disaster recovery in Windows Server	Hyper-V Replica Backup and restore infrastructure in Windows Server Lab: Implementing Hyper-V Replica and Windows Server Backup	1.5
Module 8: Windows Server security	 Credentials and privileged access protection Hardening Windows Server JEA in Windows Server Securing and analyzing SMB traffic Windows Server update management Lab: Configuring security in Windows Server Configuring Windows Defender Credential Guard Locating problematic accounts Implementing LAPS 	2.5







Total Break Duration		1.5
DAY 4		
Module 9: RDS in Windows Server	 Overview of RDS Configuring a session-based desktop deployment Overview of personal and pooled virtual desktops Lab: Implementing RDS in Windows Server Implementing RDS Configuring Session Collection Settings and using RDC Configuring a virtual desktop template 	3
Module 10: Remote access and web services in Windows Server	Implementing VPNs Implementing Always On VPN Implementing NPS Implementing Web Server in Windows Server Lab: Deploying network workloads	3.5
Total Break Duration		1.5
	DAY 5	
Module 11: Server and performance monitoring in Windows Server	Overview of Windows Server monitoring tools Using Performance Monitor Monitoring event logs for troubleshooting Lab: Monitoring and troubleshooting Windows Server Establishing a performance baseline Identifying the source of a performance problem Identifying the source of a performance problem	4
Module 12: Upgrade and migration in Windows Server	AD DS migration Storage Migration Service Windows Server migration tools Lab: Migrating Server workloads Implementing Storage Migration Service	2.5
Total Break Duration		1.5



