Windows
Server 2019

Course content

- Course Introduction
○ Windows Admin Center
○ What is Windows Admin Center and its benefits\
○ Install and Configure Windows Admin Center to Manage Servers and Workstations

- Managing docker in windows server 2019
○ What is Docker and How it works?
○ Install and Configure Docker on Windows Server 2019 and build container of IIS

– Sandbox
○ Configure Sandbox on Windows 10 to perform any testing activity

– Virtual Lab Setup
○ Setting Up Lab with Windows Server 2019
○ Setting Up Lab with Windows 10 Professional

– Domain Controller in Windows Server 2019
○ What is Active Directory Domain Controller and their advantages
○ Build a Domain Controller in Windows Server 2019
○ Manage users and computer account using Active Directory
○ Join workstation Windows 10 client with domain controller

– DNS Server
○ What is DNS and Why it is important
○ Configure Forward and Reverse lookup Zones in DNS Server
   Basic concept of Hosts file

– Dhcp Server
○ What is DHCP server & Why it is needed
○ Configure DHCP Server and define Scope and Exceptions
○ Configuring DHCP IP Reservation with MAC binding

– File Server (FSRM and DFS Namespace)
○ What is FSRM and DFS and their benefits
○ Install and configure File Server and DFS
○ Configure quota and screening for shared folder
○ Assign Shared folder to users through DFS
○ Configure Roaming Profile for users

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– Group Policy Management (GPO)
○ What is Group Policy & its benefits to an organization
○ Apply best IT security practice with Group Policy
○ Central GPO Store with Third Party apps settings for Chrome and Citrix Receiver
○ Install/Deploy third party application through Group Policy
○ Restriction of Administrative tools through GPO
○ Block/Prevent any application through Group Policy

+ PowerShell Scripting
○ What is PowerShell and it's Power
○ Import bulk users in Active Directory using PowerShell script
○ Ready made script for routine administrative tasks

+ Microsoft LAPS (Local Administrator Password Solution)
○ What is LAPS and why it is needed for extra layer security
○ Deploy Local Administrator Password Solution and create extra layer security

– Web server
○ What is Web Server – IIS and their benefits
○ Install and configure IIS Web Serve on server 2019 and host two sample websites
○ What is FTP and Why do we need it?
○ Install and Configure Secured FTP server setup using FileZilla server

+ WDS Server (Windows Server Update Service)
○ What is WDS Server and its advantages
○ Build a WDS Server and integrate with MDT for network through installation

+ WSUS Server (Windows Server Update Service)
○ What is WSUS and Why it is needed to protect your organization
○ Install and configure WSUS Server (Windows Server Update Service)

+ SVN Server -- Source control system
○ What is SVN server and why do we need it?
○ Install and configure SVN server to centrally manage source code

+ Windows Firewall
○ What is Windows Firewall and advantages to an organization
○ Create Secured environment through Windows Firewall and Defender policy

+ Windows Server Backup and Restore
○ Configure Auto Windows Server Backup
○ Perform Windows Server Image restoration

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