Microsoft Windows Administration

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Course Requirements -
Windows and Network Administration
(If you are fresher, No worries we teach from a basis to get a better overview of all concepts)

Course Readiness
All the course   Video Recordings are given via drive.
Important Message
Focus is the key to success.

CONTENTS

Module – I

HARDWARE

Microprocessor/Memory
Motherboard/BIOS
SMPS/ Hard disk
Hardware troubleshooting

Hands-On

Hardware Issues •
Replace the Hard disk
Replace the RAM or Increase it
CMOS Battery Replace
SMPS Replace
Motherboard Replace

OPERATING SYSTEMS

Introduction to Operating Systems
Introduction to OS
Types of Operating Systems
Types of installations
Introduction to VM workstations

Hands-On

1. How to install Windows 7 & 10 on a VM
2. How to install Windows 7 & 10 with Pendrive

Configuring Disk
File systems
Create, Shrink, Extend Disk Drives

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Changing users Role
Enabling and disabling Account
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Configure networking on Windows clients
Configure IP address Win 10
Configuring IP address for Virtual Machine
Communicating the Win Machines
Common Network issues

Sharing Resources and Remote Management
Sharing Disk Drivers
Sharing printers in the network
Connecting Remote desktop
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Create a Backup
Create System Image
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Troubleshoot Windows startup
Troubleshoot operating system service issues
Startup Repair
System Restore point Health status
System Image Recovery
Reset and Restore

Introduction to Linux
Red Hat 6 RHEL Installation
Basic Concepts of Operating Systems,
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login from Windows through Putty

Email and Communication

Introduction of email
Configuring mail
Configuring Outlook
Back up & Restore Outlook

Troubleshooting
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How to Repair the Profile
How to Recreate the Profile
How to Repair the Outlook Suite
How to Uninstall and reinstall Outlook

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Working with DHCP
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Setup a Local Area Network
Sharing Internet

Installing and Configuring Antivirus
Introduction of Antivirus
Types of Virus & Antivirus
Installing Antivirus and Scheduling

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What is cloud
Why Office 365
Benefits of Office 365
How to do subscription & Subscription option
Working with Apps like outlook, word, PPT, One Drive
Create an office 365 admin account
Email creation outlook
What is the admin center
Multi-Factor Authentication
Working One Drive
Working with Teams

Creating Users and permissions
Working with Admin Center
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Sharing the drives
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Ticketing Tool

What is a Ticketing System
What is the process of the Ticketing system
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Raise a Ticket
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History of Server Operating System
Editions of Windows Server 2016
Requirements to install Windows Server 2016
Installing Windows Server 2016 Operating System

2.
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Structures of Active Directory
Features of Active Directory
Installing Active Directory Domain Controller
User Management - Configuring Clients
Creating Users in ADDS
Allow Log On Locally

Domain Issues
 • Create a new account
 • Reset Password
• Cannot join the domain
  Disable and Enable an account
 • Domains Issue

3.   Group Policies
User & Computer Policies
Creating Scopes on OU and Domain
Software Deployment
Folder Redirection
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4.   Storage Management
Types of File Systems
Introduction to Storage Spaces and Storage Pools
Configuring Simple Volume (RAID-0)
Configuring Mirror Volume(RAID-1)
Configuring parity Volume (RAID-5)

5.   Dynamic Host Configuration Protocol

(DHCP) - Installing DHCP Service

Creating Scopes

6.   Domain Naming System (DNS)

Introduction to DNS

Types of Lookups

Types of Zones

Types of DNS Records

IIS(webserver)