

IT Essentials: (System, Networking, Virtualization, Cloud, & Security)

Lesson Number	Lesson Title
	Windows System Administration
Lesson 01	Create Bootable USB Drive for Windows & Linux OS
Lesson 02	Configure BIOS/UEFI to Install new Operating Systems
Lesson 03	Install Windows 10 Pro Operating System
Lesson 04	Install Third-Party Software in Windows 10 Operating System
Lesson 05	Configure Users and Groups and Set Ownership on Windows 10
Lesson 06	Install & Basic Settings of Windows 2019 Server Operating System
Lesson 07	Configure IPv4 Address on Windows 10 & WinSVR 19 Operating system
Lesson 08	Configure IPv6 Address on Windows 10 & Windows Server 2019
Lesson 09	Create additional partitions for Windows 10 Operating System
Lesson 10	Configure and settings Windows Defender Firewall
Lesson 11	Disk Cloning using Windows 10 Operating System
Lesson 12	Create System Backup and Restore on Windows 10 OS
Lesson 13	Reset and Re-install Windows 10 Operating System
Lesson 14	Configure Bit Locker on Windows 10 Operating System
Lesson 15	Securing Windows Workstations Environment
Lesson 16	Working with Windows Processes and Services
	Virtualization & Cloud Computing
Lesson 17	Create Virtual Machine on VMware Workstation 16
Lesson 18	Install and Configure Hyper-V Based VM on Windows 10
Lesson 19	Install and Configure VMware ESXi Host Machine (vSphere 7.0)
Lesson 20	Create Virtual Machine on VMware vSphere 7.0 using ESXi Host
Lesson 21	Create and Windows Server 2019 VM on Azure Cloud
Lesson 22	Create and access Linux EC2 Instance on AWS Cloud

	Linux Essentials
Lesson 23	Install Red Hat Enterprise Linux 8 Operating System
Lesson 24	Install Ubuntu 20 LTS Version Operating System
Lesson 25	Working with Linux Command Line Interfaces (CLI)
Lesson 26	Configure IP Address on Linux OS (Ubuntu & RHEL 8)
Lesson 27	Install Packages on Linux Operating System (Ubuntu 20 & RHEL 8)

	Application and Services
Lesson 28	Configure Remote Access for Windows, Linux, AWS, & Azure
Lesson 29	Install and Configure Active directory on Windows Server 2019
Lesson 30	Create user and join Windows 10 to domain controller
Lesson 31	Install and Configure VNC Server and Client on Windows
Lesson 32	Configure FTP Server and Client on Windows 10
Lesson 33	Configure POP/IMAP for Email Client (Outlook/Thunderbird)
Lesson 34	Share File and Directories on Windows Operating Systems
Lesson 35	Configure MAP Drive on Windows 10 Operating System
Lesson 36	Share a Printer on Windows 10 Operating System
Lesson 47	Configure iSCSI SAN Storage Using Windows Server 2019
Lesson 38	Configure iSCSI Storage Client on Windows 10 Operating System
Lesson 39	Working with Domain and Hosting

	Networking Essentials
Lesson 40	Networking Utilities (Ping, Tracert, nslookup, route print, netstat, arp)
Lesson 41	Configure Network Address Translation (NAT) using MikroTik
Lesson 42	Configure Port Forwarding using MikroTik
Lesson 43	Install and Configure Remote Access VPN Client on Windows 10
Lesson 44	Configure DHCP Services (Server & Client) on Network Devices
Lesson 45	Network and System monitoring using PRTG