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## Configuring Windows 8.1

Varighed: 5 Days    Kursus Kode: M20687

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### Beskrivelse:

This course provides students hands-on experience with Windows 8. It provides guidance on installing, upgrading, and licensing for Windows 8. Students will learn how to manage storage by creating simple, spanned, and striped volumes, and how to optimize file-system performance. Additionally, they will learn how to manage available disk space by using quotas. Students will work with Windows tools and services to determine the source of performance and reliability issues, and to troubleshoot these issues.

This course describes how to configure networking to include IPv4, IPv6, connect to wireless networks, and use the networking features included in Windows 8 to troubleshoot networking issues. Students will also learn preventive measures and tools that work together to protect their computers from security threats.

The course then covers the features related to file and folder management, which include setting permissions, file/folder compression, and configuring shared folders. Students will also learn about installing and managing printers. Additionally, the course provides an overview of the SkyDrive functionality, and describes the procedures to install and configure applications, including Windows Store apps.

The course also examines the fundamentals of working with virtual machines in the Client Hyper-V environment in Windows 8.

Students will learn about features such as Virtual Private Networks (VPNs) and DirectAccess, which provide mobile users access to internal resources when the users are out of the office. Throughout the course, students will use Windows PowerShell 3.0, and its graphical user interface (GUI) to configure and manage the system. Students will also use the scripting editor to create and examine PowerShell scripts used to manage the system.

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### Målgruppe:

This course is intended for IT professionals who configure or support Windows 8 computers, devices, users and associated network and security resources. The networks with which these professionals typically work are configured as a single domain-based or peer-to-peer environment with access to the Internet and cloud services. The IT professional could be a consultant, full-time desktop support technician, or an IT generalist who administers Windows 8-based computers and devices as a portion of their broader technical responsibilities. The course is also intended for students who seek certification in the 70-687 Windows 8 Configuring exam.

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### Agenda:

- After completing this course, students will be able to:
  - Plan and perform the installation of Windows 8.
  - Install Windows 8 on computers that are running an existing operating system.
  - Configure disks, partitions, volumes, and device drivers in a Windows 8 system.
  - Configure network connectivity.
  - Install, configure, and maintain wireless network connections.
  - Implement Windows 8 technologies to secure network connections.
  - Share files and printers.
  - Implement tools and technologies that can help secure Windows 8 desktops.
  - Configure and control applications in Windows 8.
  - Optimize and maintain Windows 8 based computers.
  - Configure mobile computer settings and to enable remote access.
  - Create and configure virtual machines in Hyper-V for Windows 8 and describe how to use it to support legacy applications.
  - Determine how to recover Windows 8 from various failures.
  - Describe how to use Windows PowerShell to manage Windows 8.
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## Forudsætninger:

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

- Networking fundamentals, including Transmission Control Protocol /Internet Protocol (TCP/IP), User Datagram Protocol (UDP), and Domain Name System (DNS)
- Microsoft Active Directory Domain Services (AD DS) principles and fundamentals of AD DS management
- Understanding of the Public Key Infrastructure (PKI) components and working knowledge of the fundamentals of Active Directory Certificate Services (AD CS)
- Microsoft Windows Server 2008 or Windows Server 2008 R2 fundamentals
- Microsoft Windows Client fundamentals; for example, working knowledge of Windows XP, Windows Vista, and/or Windows 7
- Fundamentals of management and experience using the Microsoft Office 2010 system or the Microsoft Office 2007 system
  - Windows Automated Installation Kit (WAIK) components including Windows PE, Windows SIM, VAMT, ImageX, USMT, and DISM concepts and fundamentals

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## Yderligere Kurser:

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## Indhold:

### Module 1: Installing Windows 8

- This module will introduce the student to some new features of Windows 8, provide guidance on installing Windows 8, and introduce them to the Windows 8 licensing environment.

#### Lessons

- Introducing Windows 8
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic

This module describe the wireless network technologies available, the procedures for configuring wireless network components, and the Windows 8 elements that are necessary to access wireless networks.

#### Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security
- Managing File Access
- Authentication and Authorization in Windows 8
- Install and Configure Applications
- Configuring Mobile Computers and Device Settings
- Overview of Hyper-V
- Backing Up and Restoring Files in Windows 8
- Preparing to Install Windows 8
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- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive

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- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
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- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
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- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8

- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
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Lab : Planning the Implementation of Wireless Network Connections

- Planning a Wireless Network
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  - Configuring Quotas

cmdlets

After completing this module, you will be able to:

- Describe the options and processes for upgrading to Windows 8.
  - Manage local hard disks.
  - Describe the standards and technologies related to wireless network connections.
  - Describe authentication and authorization in Windows 8.
  - Install and configure applications.
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- disks.
  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
  - Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8 installation.
  - Install Windows 8.
  - Automate the Installation of Windows 8.
  - Explain Windows 8 Licensing and Activation.
  - Migrating to Windows 8
  - Migrating User Data and Settings
  - Restoring User Data and Settings to a Target Computer
  - Verifying Successful Migration of User Data and Settings
  - Describe the options and processes for migrating to Windows 8.
  - Identify important settings and data to migrate and explain how to migrate them.
  - Maintaining Disks, Partitions, and Volumes
  - Working with Virtual Hard Disks
  - Installing and Configuring Device Drivers
  - Configuring Quotas
  - Working with VHDs
  - Managing Device Drivers
  - Maintain local hard disks.
  - Use VHDs.
  - Install and configure device drivers.
  - Configuring IPv6 Network Connectivity
  - Implementing Automatic IP Address Allocation
  - Implementing Name Resolution
  - Troubleshooting Network Connectivity
  - Configuring IPv4 Manually
  - Resolving a Network Connectivity Problem
  - Configure a LAN connection with IPv6.
  - Implement automatic IP address allocation.
  - Implement name resolution.
  - Troubleshoot common network-related problems.
  - Implementing a Wireless Network
  - Determining the Cause of Wireless Network Problems
  - Configuring a Wireless Network Policy
  - Configure a wireless network connection.

- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
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- Describe how to recover a Windows 8 computer.
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- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell

- Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
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- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
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- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
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- Testing the AppLocker Rules
- Install and manage applications from the

- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
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- Managing Shared Folders
- Configuring File Compression
- Managing Printers
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- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual



## cmdlets

- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
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- Maintain local hard disks.
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- Configuring Windows Defender
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- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group

## Windows Store.

- Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
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  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
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  - Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- After completing this module, you will be able to:
- Describe the options and processes for upgrading to Windows 8.
  - Manage local hard disks.
  - Describe the standards and technologies related to wireless network connections.
  - Describe authentication and authorization in Windows 8.
  - Install and configure applications.
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8

## disks.

- Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
  - Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8 installation.
  - Install Windows 8.
  - Automate the Installation of Windows 8.
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  - Restoring User Data and Settings to a Target Computer
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  - Managing Device Drivers
  - Maintain local hard disks.
  - Use VHDs.
  - Install and configure device drivers.
  - Configuring IPv6 Network Connectivity
  - Implementing Automatic IP Address Allocation
  - Implementing Name Resolution
  - Troubleshooting Network Connectivity
  - Configuring IPv4 Manually
  - Resolving a Network Connectivity Problem
  - Configure a LAN connection with IPv6.
  - Implement automatic IP address allocation.
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  - Implementing a Wireless Network
  - Determining the Cause of Wireless Network Problems
  - Configuring a Wireless Network Policy
  - Configure a wireless network connection.

- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
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- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

Lab : Installing Windows 8

- installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
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- Describe the options and processes for migrating to Windows 8.
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- Implementing Name Resolution
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- Configuring IPv4 Manually
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- Configure a wireless network connection.
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- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
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- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
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- Describe shared folders management.
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- Configuring Windows Firewall
- Securing Network Traffic
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- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
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- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual

- Planning to Install Windows 8
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
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- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group

- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
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- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
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- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

#### Module 6: Implementing Network Security

This module explains how to formulate a strategy to protect your computers by using User policies, anti-virus software, encrypted network traffic, and other protective

- disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

#### Module 10: Optimizing and Maintaining Windows 8 Client Computers

This module explains the tools that you can use to determine the source of performance and reliability issues. It also describes the steps to take to improve system performance and reliability.

#### Lessons

- Optimizing the Performance of Windows 8
- Introduction to Windows PowerShell 3.0
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address

- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
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- Testing the Application of the Local Group Policy Objects
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- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
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- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
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- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
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- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
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- Identify key aspects of working with virtual disks.
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Lab : Performing an Unattended Installation of Windows 8

measures. It also explains how to optimize the appropriate Windows network security features, such as the Windows Firewall and Windows Defender.

#### Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security
- Managing File Access
- Authentication and Authorization in Windows 8
- Install and Configure Applications
- Configuring Mobile Computers and Device Settings
- Overview of Hyper-V
- Backing Up and Restoring Files in Windows 8
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
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- Migrating to Windows 8
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- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity

#### Allocation

- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
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- Managing Printers
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- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.

- Configuring an Answer File
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
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- Implementing Name Resolution
- Troubleshooting Network Connectivity
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After completing this module, students will be

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- Describe the different editions of Windows 8.
- Configure a local area network (LAN) connection with IPv4.
- Describe the threats to network security.
- Describe how to optimize Windows 8 performance.
- Configure Windows 8 settings that are applicable to mobile computing devices.
- Describe Hyper-V.
- Describe how to back up and restore files in Windows 8.
- Describe the basic features of Windows PowerShell 3.0.

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Lab : Optimizing Windows 8 Performance

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#### Lab : Configuring Inbound and Outbound Firewall Rules

##### ■ Creating an Inbound Firewall Rule

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- Automating the Installation of Windows 8
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- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.

- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load

- Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- Preparing to Install Windows 8
  - Installing Windows 8
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  - Installing and Configuring Device Drivers
  - Configuring Quotas
  - Working with VHDs
  - Managing Device Drivers
  - Maintain local hard disks.
  - Use VHDs.
  - Install and configure device drivers.
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  - Securing Network Traffic
  - Configuring Windows Defender
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  - Explain how to configure Windows firewall.
  - Explain how to secure network traffic.
  - Explain how to configure Windows Defender.

- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
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- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules

- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

Lab : Maintaining Windows Updates

- Configuring Windows Update

After completing this module, students will be able to:

- Describe the different editions of Windows 8.
  - Configure a local area network (LAN) connection with IPv4.
  - Describe the threats to network security.
  - Describe how to optimize Windows 8 performance.
  - Configure Windows 8 settings that are applicable to mobile computing devices.
  - Describe Hyper-V.
  - Describe how to back up and restore files in Windows 8.
  - Describe the basic features of Windows PowerShell 3.0.
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8

- Managing Shared Folders
  - Configuring File Compression
  - Managing Printers
  - Overview of SkyDrive
  - Creating a Shared folder for the Marketing Group
  - Describe shared folders management.
  - Describe how to configure file compression.
  - Explain how to configure and manage printers.
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  - Securing Data with EFS and BitLocker
  - Configuring User Account Control
  - Testing the Application of the Local Group Policy Objects
  - Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
  - Select a suitable disk encryption method.
  - Configure User Account Control.
  - Managing Apps from the Windows Store
  - Configuring Internet Explorer Settings
  - Configuring Application Restrictions in the Enterprise
  - Testing the AppLocker Rules
  - Install and manage applications from the Windows Store.
  - Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
  - Configuring VPN Access
  - Configuring Remote Desktop and Remote Assistance
  - Overview of DirectAccess
  - Enable and configure VPN access.
  - Enable and configure Remote Desktop and Remote Assistance.
  - Describe when and how to use DirectAccess to address remote users' requirements.
  - Creating Virtual Machines
  - Managing Virtual Hard Disks
  - Managing Snapshots
  - Explain the process for creating and working with virtual machines.
  - Identify key aspects of working with virtual disks.
  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
  - Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- Lab : Configuring Connection Security Rules
- Creating and Configuring Connection Security Rules
- Lab : Configuring Host-Based Virus and Malware Protection
- Configuring Windows Defender
- After completing this module, students will be able to:
- Describe the different editions of Windows 8.
  - Configure a local area network (LAN) connection with IPv4.
  - Describe the threats to network security.
  - Describe how to optimize Windows 8 performance.
  - Configure Windows 8 settings that are applicable to mobile computing devices.

- Install and manage applications from the Windows Store.
  - Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
  - Configuring VPN Access
  - Configuring Remote Desktop and Remote Assistance
  - Overview of DirectAccess
  - Enable and configure VPN access.
  - Enable and configure Remote Desktop and Remote Assistance.
  - Describe when and how to use DirectAccess to address remote users' requirements.
  - Creating Virtual Machines
  - Managing Virtual Hard Disks
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  - Explain the process for creating and working with virtual machines.
  - Identify key aspects of working with virtual disks.
  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
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- Lab : Configuring Connection Security Rules
- Creating and Configuring Connection Security Rules
- Lab : Configuring Host-Based Virus and Malware Protection
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- After completing this module, students will be able to:
- Describe the different editions of Windows 8.
  - Configure a local area network (LAN) connection with IPv4.
  - Describe the threats to network security.
  - Describe how to optimize Windows 8 performance.
  - Configure Windows 8 settings that are applicable to mobile computing devices.

- installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
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- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
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- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control

- Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
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- Preparing to Install Windows 8
  - Installing Windows 8
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  - Maintain local hard disks.
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  - Install and configure device drivers.
  - Configuring IPv6 Network Connectivity
  - Implementing Automatic IP Address Allocation
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  - Securing Network Traffic
  - Configuring Windows Defender
  - Creating An Outbound Firewall Rule
  - Explain how to configure Windows firewall.
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  - Explain how to configure Windows Defender.
  - Managing Shared Folders
  - Configuring File Compression
  - Managing Printers
  - Overview of SkyDrive

- Describe Hyper-V.
  - Describe how to back up and restore files in Windows 8.
  - Describe the basic features of Windows PowerShell 3.0.
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- Preparing to Install Windows 8
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  - Securing Network Traffic
  - Configuring Windows Defender
  - Creating An Outbound Firewall Rule
  - Explain how to configure Windows

- Testing the Application of the Local Group Policy Objects
  - Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
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  - Configure User Account Control.
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  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
  - Configuring VPN Access
  - Configuring Remote Desktop and Remote Assistance
  - Overview of DirectAccess
  - Enable and configure VPN access.
  - Enable and configure Remote Desktop and Remote Assistance.
  - Describe when and how to use DirectAccess to address remote users' requirements.
  - Creating Virtual Machines
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  - Explain the process for creating and working with virtual machines.
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- Securing Data with EFS and BitLocker
- Configuring User Account Control

## Module 2: Upgrading and Migrating to Windows 8

This module examines the upgrade process, identifies different methods for upgrading and migrating, and introduces you to the tools and processes used to perform an upgrade or migration.

### Lessons

- Upgrading to Windows 8
  - Managing Disks, Partitions, and Volumes
  - Configuring IPv4 Network Connectivity
  - Overview of Wireless Networks
  - Overview of Threats to Network Security
  - Managing File Access
  - Authentication and Authorization in Windows 8
  - Install and Configure Applications
  - Configuring Mobile Computers and Device Settings
  - Overview of Hyper-V
  - Backing Up and Restoring Files in Windows 8
- 
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8 installation.
  - Install Windows 8.
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  - Installing and Configuring Device Drivers
  - Configuring Quotas
  - Working with VHDs
  - Managing Device Drivers
  - Maintain local hard disks.
  - Use VHDs.
  - Install and configure device drivers.
  - Configuring IPv6 Network Connectivity
  - Implementing Automatic IP Address Allocation
  - Implementing Name Resolution
  - Troubleshooting Network Connectivity

- Introducing a Simulated Problem
  - Resolving the Problem
  - Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
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  - Maintain local hard disks.
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  - Implementing Name Resolution
  - Troubleshooting Network Connectivity
  - Configuring IPv4 Manually
  - Resolving a Network Connectivity Problem
  - Configure a LAN connection with IPv6.
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  - Troubleshoot common network-related problems.
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  - Determining the Cause of Wireless Network Problems
  - Configuring a Wireless Network Policy
  - Configure a wireless network connection.
  - Configuring Windows Firewall

- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
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- Configure User Account Control.
- Managing Apps from the Windows Store
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- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
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- Explain how to manage Windows 8 reliability.
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- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

### Module 11: Configuring Mobile Computing and Remote Access

This module explains how to identify and configure appropriate mobile computer access, specifically DirectAccess and VPN. Additionally, this module describes various power options, and device synchronization capabilities that students can configure.

- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.

- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
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- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with

## Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security
- Managing File Access
- Authentication and Authorization in Windows 8
- Install and Configure Applications
- Configuring Mobile Computers and Device Settings
- Overview of Hyper-V
- Backing Up and Restoring Files in Windows 8
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- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
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- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.



- Enable and configure Remote Desktop and Remote Assistance.
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- Measuring System Responsiveness Under Load
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- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
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- Creating Virtual Machines

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## Network Problems

- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
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- Managing Virtual Hard Disks

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- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.

- Creating Virtual Machines
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#### Lab : Migrating to Windows 8

- Backing Up Important User Data and Settings
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
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- Configuring IPv6 Network Connectivity
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- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.

- Managing Snapshots
- Explain the process for creating and working with virtual machines.
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#### Module 7: Configuring File Access and Printers on Windows 8 Clients

This module provides the information and tools you need to manage access to shared folders and printers. Specifically, the module describes how to share and protect folders, configure folder compression, and how to install, configure, and manage printers. Additionally, this module introduces the SkyDrive functionality, and describes how to set up NTFS folder permissions.

#### Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security
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- Install and Configure Applications
- Configuring Mobile Computers and Device Settings
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- Describe when and how to use DirectAccess

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  - Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
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  - Overview of DirectAccess
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- Configuring IPv4 Manually
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Lab : Configuring a Power Plan

- Creating and Configuring a New Power Plan

Lab : Implementing a VPN Connection

- Creating and Testing a VPN Connection

Lab : Implementing Remote Desktop

- Configuring a Remote Desktop Connection

After completing this module, students will be able to:

- Describe the different editions of Windows 8.
- Configure a local area network (LAN) connection with IPv4.
- Describe the threats to network security.
- Describe how to optimize Windows 8 performance.
- Configure Windows 8 settings that are applicable to mobile computing devices.
- Describe Hyper-V.
- Describe how to back up and restore files in Windows 8.
- Describe the basic features of Windows PowerShell 3.0.
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After completing this module, you will be able to:

- Describe the options and processes for upgrading to Windows 8.
- Manage local hard disks.
- Describe the standards and technologies related to wireless network connections.
- Describe authentication and authorization in Windows 8.
- Install and configure applications.

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- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

### Module 3: Managing Disks and Device Drivers

This module explains how to manage disk, including simple, spanned, or striped volumes. It also explains how to optimize file-system performance, and how to use disk quotas to manage available disk space on installed volumes.

#### Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security
- Managing File Access
- Authentication and Authorization in Windows 8
- Install and Configure Applications
- Configuring Mobile Computers and Device Settings
- Overview of Hyper-V
- Backing Up and Restoring Files in Windows 8
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a

- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.

## Target Computer

- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
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- Configure a wireless network connection.
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- Securing Network Traffic
- Configuring Windows Defender
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- Explain how to configure and manage printers.
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- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the

## Lab : Configuring File Access

- Creating a Shared Folder for All Users
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.

- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

## Module 12: Implementing Hyper-V

This module introduces the student to Client Hyper-V in Windows 8, and explains the fundamentals of working with virtual machines in the Client Hyper-V environment.

## Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security

- Enterprise
  - Testing the AppLocker Rules
  - Install and manage applications from the Windows Store.
  - Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
  - Configuring VPN Access
  - Configuring Remote Desktop and Remote Assistance
  - Overview of DirectAccess
  - Enable and configure VPN access.
  - Enable and configure Remote Desktop and Remote Assistance.
  - Describe when and how to use DirectAccess to address remote users' requirements.
  - Creating Virtual Machines
  - Managing Virtual Hard Disks
  - Managing Snapshots
  - Explain the process for creating and working with virtual machines.
  - Identify key aspects of working with virtual disks.
  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
  - Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8 installation.
  - Install Windows 8.
  - Automate the Installation of Windows 8.
  - Explain Windows 8 Licensing and Activation.
  - Migrating to Windows 8
  - Migrating User Data and Settings
  - Restoring User Data and Settings to a Target Computer
  - Verifying Successful Migration of User Data and Settings
  - Describe the options and processes for
- Explain how to configure Windows Defender.
  - Managing Shared Folders
  - Configuring File Compression
  - Managing Printers
  - Overview of SkyDrive
  - Creating a Shared folder for the Marketing Group
  - Describe shared folders management.
  - Describe how to configure file compression.
  - Explain how to configure and manage printers.
  - Describe the purpose and functionality of SkyDrive.
  - Implementing Group Policy Objects
  - Securing Data with EFS and BitLocker
  - Configuring User Account Control
  - Testing the Application of the Local Group Policy Objects
  - Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
  - Select a suitable disk encryption method.
  - Configure User Account Control.
  - Managing Apps from the Windows Store
  - Configuring Internet Explorer Settings
  - Configuring Application Restrictions in the Enterprise
  - Testing the AppLocker Rules
  - Install and manage applications from the Windows Store.
  - Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
  - Configuring VPN Access
  - Configuring Remote Desktop and Remote Assistance
  - Overview of DirectAccess
  - Enable and configure VPN access.
  - Enable and configure Remote Desktop and Remote Assistance.
  - Describe when and how to use DirectAccess to address remote users' requirements.
  - Creating Virtual Machines
  - Managing Virtual Hard Disks
  - Managing Snapshots
  - Explain the process for creating and working with virtual machines.
  - Identify key aspects of working with virtual disks.
  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
- Managing File Access
  - Authentication and Authorization in Windows 8
  - Install and Configure Applications
  - Configuring Mobile Computers and Device Settings
  - Overview of Hyper-V
  - Backing Up and Restoring Files in Windows 8
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8 installation.
  - Install Windows 8.
  - Automate the Installation of Windows 8.
  - Explain Windows 8 Licensing and Activation.
  - Migrating to Windows 8
  - Migrating User Data and Settings
  - Restoring User Data and Settings to a Target Computer
  - Verifying Successful Migration of User Data and Settings
  - Describe the options and processes for migrating to Windows 8.
  - Identify important settings and data to migrate and explain how to migrate them.
  - Maintaining Disks, Partitions, and Volumes
  - Working with Virtual Hard Disks
  - Installing and Configuring Device Drivers
  - Configuring Quotas
  - Working with VHDs
  - Managing Device Drivers
  - Maintain local hard disks.
  - Use VHDs.
  - Install and configure device drivers.
  - Configuring IPv6 Network Connectivity
  - Implementing Automatic IP Address Allocation
  - Implementing Name Resolution
  - Troubleshooting Network Connectivity
  - Configuring IPv4 Manually
  - Resolving a Network Connectivity Problem
  - Configure a LAN connection with IPv6.
  - Implement automatic IP address allocation.
  - Implement name resolution.
  - Troubleshoot common network-related problems.
  - Implementing a Wireless Network
  - Determining the Cause of Wireless Network Problems
  - Configuring a Wireless Network Policy
  - Configure a wireless network connection.
  - Configuring Windows Firewall
  - Securing Network Traffic
  - Configuring Windows Defender
  - Creating An Outbound Firewall Rule

- migrating to Windows 8.
  - Identify important settings and data to migrate and explain how to migrate them.
  - Maintaining Disks, Partitions, and Volumes
  - Working with Virtual Hard Disks
  - Installing and Configuring Device Drivers
  - Configuring Quotas
  - Working with VHDs
  - Managing Device Drivers
  - Maintain local hard disks.
  - Use VHDs.
  - Install and configure device drivers.
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  - Implementing Name Resolution
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  - Configure a wireless network connection.
  - Configuring Windows Firewall
  - Securing Network Traffic
  - Configuring Windows Defender
  - Creating An Outbound Firewall Rule
  - Explain how to configure Windows firewall.
  - Explain how to secure network traffic.
  - Explain how to configure Windows Defender.
  - Managing Shared Folders
  - Configuring File Compression
  - Managing Printers
  - Overview of SkyDrive
  - Creating a Shared folder for the Marketing Group
  - Describe shared folders management.
  - Describe how to configure file compression.
  - Explain how to configure and manage printers.
  - Describe the purpose and functionality of SkyDrive.
  - Implementing Group Policy Objects
  - Securing Data with EFS and BitLocker
  - Configuring User Account Control
  - Testing the Application of the Local Group Policy Objects
  - Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
  - Select a suitable disk encryption method.
  - Configure User Account Control.
  - Managing Apps from the Windows Store
  - Configuring Internet Explorer Settings
  - Configuring Application Restrictions in the Enterprise
  - Testing the AppLocker Rules
  - Install and manage applications from the Windows Store.
- Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- Lab : Configuring Printers
- Creating and Sharing a Local Printer
- After completing this module, students will be able to:
- Describe file access management.
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8 installation.
  - Install Windows 8.
  - Automate the Installation of Windows 8.
  - Explain Windows 8 Licensing and Activation.
  - Migrating to Windows 8
  - Migrating User Data and Settings
  - Restoring User Data and Settings to a Target Computer
  - Verifying Successful Migration of User Data and Settings
  - Describe the options and processes for migrating to Windows 8.
  - Identify important settings and data to migrate and explain how to migrate them.
  - Maintaining Disks, Partitions, and Volumes
  - Working with Virtual Hard Disks
  - Installing and Configuring Device Drivers
  - Configuring Quotas
  - Working with VHDs
  - Managing Device Drivers
  - Maintain local hard disks.
  - Use VHDs.
  - Install and configure device drivers.
  - Configuring IPv6 Network Connectivity
  - Implementing Automatic IP Address Allocation
  - Implementing Name Resolution
  - Troubleshooting Network Connectivity
  - Configuring IPv4 Manually
  - Resolving a Network Connectivity Problem
  - Configure a LAN connection with IPv6.
  - Implement automatic IP address allocation.
  - Implement name resolution.
  - Troubleshoot common network-related
- Explain how to configure Windows firewall.
  - Explain how to secure network traffic.
  - Explain how to configure Windows Defender.
  - Managing Shared Folders
  - Configuring File Compression
  - Managing Printers
  - Overview of SkyDrive
  - Creating a Shared folder for the Marketing Group
  - Describe shared folders management.
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  - Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
  - Select a suitable disk encryption method.
  - Configure User Account Control.
  - Managing Apps from the Windows Store
  - Configuring Internet Explorer Settings
  - Configuring Application Restrictions in the Enterprise
  - Testing the AppLocker Rules
  - Install and manage applications from the Windows Store.

- Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
  - Configuring VPN Access
  - Configuring Remote Desktop and Remote Assistance
  - Overview of DirectAccess
  - Enable and configure VPN access.
  - Enable and configure Remote Desktop and Remote Assistance.
  - Describe when and how to use DirectAccess to address remote users' requirements.
  - Creating Virtual Machines
  - Managing Virtual Hard Disks
  - Managing Snapshots
  - Explain the process for creating and working with virtual machines.
  - Identify key aspects of working with virtual disks.
  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
  - Describe how to recover a Windows 8 computer.
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  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- 
- Preparing to Install Windows 8
  - Installing Windows 8
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  - Migrating to Windows 8
  - Migrating User Data and Settings
  - Restoring User Data and Settings to a Target Computer
  - Verifying Successful Migration of User Data and Settings
  - Describe the options and processes for migrating to Windows 8.
  - Identify important settings and data to migrate and explain how to migrate them.
  - Maintaining Disks, Partitions, and Volumes

- problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
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  - Configuring Quotas
  - Working with VHDs
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  - Maintain local hard disks.
  - Use VHDs.
  - Install and configure device drivers.
  - Configuring IPv6 Network Connectivity
  - Implementing Automatic IP Address Allocation
  - Implementing Name Resolution
  - Troubleshooting Network Connectivity
  - Configuring IPv4 Manually
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- Working with Virtual Hard Disks
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- Working with VHDs
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- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8

- requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
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- Explain the process for creating and working with virtual machines.
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- Understand and manage snapshots with Hyper-V.
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- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
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- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.

- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8



- Managing Windows 8 Updates
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- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
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#### Lab : Managing Disks

- Creating Volumes
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes

- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
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- Managing Printers
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- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.

- Introducing a Simulated Problem
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- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
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- Configuring VPN Access

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After completing this module, students will be able to:

- Describe the different editions of Windows 8.
- Configure a local area network (LAN) connection with IPv4.
- Describe the threats to network security.
- Describe how to optimize Windows 8 performance.
- Configure Windows 8 settings that are applicable to mobile computing devices.
- Describe Hyper-V.
- Describe how to back up and restore files in Windows 8.
- Describe the basic features of Windows PowerShell 3.0.

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#### Lab : Configuring Device Drivers

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- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load

- reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

#### Module 8: Securing Windows 8 Desktops

This module explains the features of Windows 8 that help you maintain a secure computer desktop environment.

#### Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security
- Managing File Access
- Authentication and Authorization in Windows 8
- Install and Configure Applications
- Configuring Mobile Computers and Device Settings
- Overview of Hyper-V
- Backing Up and Restoring Files in Windows 8
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8

- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote

- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

After completing this module, you will be able to:

- Describe the options and processes for upgrading to Windows 8.
- Manage local hard disks.
- Describe the standards and technologies related to wireless network connections.
- Describe authentication and authorization in Windows 8.
- Install and configure applications.

- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for

- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage

- Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
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- Introducing a Simulated Problem
- Resolving the Problem
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- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

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- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution

- migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
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- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
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- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets
- Preparing to Install Windows 8
- Installing Windows 8
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.



- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes

- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group

- Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

#### Module 13: Troubleshooting and Recovering Windows 8

This module explains how to use the included tools to maintain a backup of important data files and additional tools that can help you to recover a computer that will not start, or starts with errors.

#### Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security
- Managing File Access
- Authentication and Authorization in Windows 8
- Install and Configure Applications
- Configuring Mobile Computers and Device Settings
- Overview of Hyper-V
- Backing Up and Restoring Files in Windows 8
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8

- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8

- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

- installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
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- Troubleshoot common network-related problems.
- Implementing a Wireless Network
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- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control

- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
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- Describe when and how to use DirectAccess to address remote users' requirements.
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- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
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- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs

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- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
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- Prepare a computer for Windows 8 installation.
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- Configuring Quotas
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- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
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- Configuring IPv4 Manually
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- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression

- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

Lab : Recovering Windows 8

- Exploring Windows 8 Recovery Options
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8

- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load

- Managing Printers
- Overview of SkyDrive
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- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
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- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
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- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets

- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
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#### Module 4: Configuring and Troubleshooting Network Connections

This module explains how to configure and troubleshoot Windows 8 networking features including both TCP/IP version 4 and TCP/IP version 6.

#### Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security
- Managing File Access
- Authentication and Authorization in Windows 8
- Install and Configure Applications
- Configuring Mobile Computers and Device Settings
- Overview of Hyper-V
- Backing Up and Restoring Files in Windows 8
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8

- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

#### Lab : Implementing Local Group Policy Objects

- Creating Multiple Local Group Policy Objects
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall

- SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
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- Managing Virtual Hard Disks
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- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
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- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8

- Performing a Clean Installation of Windows 8
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- Automate the Installation of Windows 8.
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- Configuring Windows Defender
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- Explain how to configure Windows firewall.
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- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker

- Securing Network Traffic
- Configuring Windows Defender
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- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
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- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
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- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with

- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
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- Describe the options and processes for migrating to Windows 8.
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- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
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- Configure a wireless network connection.
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- Managing Printers
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- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of

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  - Testing the Application of the Local Group Policy Objects
  - Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
  - Select a suitable disk encryption method.
  - Configure User Account Control.
  - Managing Apps from the Windows Store
  - Configuring Internet Explorer Settings
  - Configuring Application Restrictions in the Enterprise
  - Testing the AppLocker Rules
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  - Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
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  - Managing Snapshots
  - Explain the process for creating and working with virtual machines.
  - Identify key aspects of working with virtual disks.
  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
  - Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- 
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8

- virtual disks.
  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
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  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- Lab : Securing Data
- Protecting Files with EFS
- Lab : Configuring and Testing UAC
- Modifying UAC Prompts
- After completing this module, you will be able to:
- Describe the options and processes for upgrading to Windows 8.
  - Manage local hard disks.
  - Describe the standards and technologies related to wireless network connections.
  - Describe authentication and authorization in Windows 8.
  - Install and configure applications.
- 
- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8 installation.
  - Install Windows 8.
  - Automate the Installation of Windows 8.
  - Explain Windows 8 Licensing and Activation.
  - Migrating to Windows 8
  - Migrating User Data and Settings
  - Restoring User Data and Settings to a Target Computer
  - Verifying Successful Migration of User Data and Settings
  - Describe the options and processes for migrating to Windows 8.
  - Identify important settings and data to migrate and explain how to migrate them.
  - Maintaining Disks, Partitions, and Volumes
  - Working with Virtual Hard Disks
  - Installing and Configuring Device Drivers
  - Configuring Quotas
  - Working with VHDs

- SkyDrive.
  - Implementing Group Policy Objects
  - Securing Data with EFS and BitLocker
  - Configuring User Account Control
  - Testing the Application of the Local Group Policy Objects
  - Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
  - Select a suitable disk encryption method.
  - Configure User Account Control.
  - Managing Apps from the Windows Store
  - Configuring Internet Explorer Settings
  - Configuring Application Restrictions in the Enterprise
  - Testing the AppLocker Rules
  - Install and manage applications from the Windows Store.
  - Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
  - Configuring VPN Access
  - Configuring Remote Desktop and Remote Assistance
  - Overview of DirectAccess
  - Enable and configure VPN access.
  - Enable and configure Remote Desktop and Remote Assistance.
  - Describe when and how to use DirectAccess to address remote users' requirements.
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  - Managing Virtual Hard Disks
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  - Explain the process for creating and working with virtual machines.
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  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
  - Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
- After completing this module, students will be able to:
- Describe the different editions of Windows 8.
  - Configure a local area network (LAN)

- installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
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- Describe the options and processes for migrating to Windows 8.
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- Maintain local hard disks.
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- Troubleshoot common network-related problems.
- Implementing a Wireless Network
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- Configure a wireless network connection.
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- Configuring Windows Defender
- Creating An Outbound Firewall Rule
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- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- connection with IPv4.
- Describe the threats to network security.
- Describe how to optimize Windows 8 performance.
- Configure Windows 8 settings that are applicable to mobile computing devices.
- Describe Hyper-V.
- Describe how to back up and restore files in Windows 8.
- Describe the basic features of Windows PowerShell 3.0.
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
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- Configure application restrictions.
- Managing the Reliability of Windows 8



- Objects (GPOs) to configure security and other settings.
  - Select a suitable disk encryption method.
  - Configure User Account Control.
  - Managing Apps from the Windows Store
  - Configuring Internet Explorer Settings
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  - Install and manage applications from the Windows Store.
  - Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
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  - Describe Windows PowerShell Remoting.
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  - Performing a Clean Installation of Windows 8
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  - Creating An Outbound Firewall Rule
  - Explain how to configure Windows firewall.
  - Explain how to secure network traffic.
  - Explain how to configure Windows Defender.
  - Managing Shared Folders
  - Configuring File Compression
  - Managing Printers
  - Overview of SkyDrive
  - Creating a Shared folder for the Marketing Group
  - Describe shared folders management.
  - Describe how to configure file compression.
  - Explain how to configure and manage printers.
  - Describe the purpose and functionality of SkyDrive.
  - Implementing Group Policy Objects
  - Securing Data with EFS and BitLocker
  - Configuring User Account Control
  - Testing the Application of the Local Group Policy Objects
  - Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
  - Select a suitable disk encryption method.
  - Configure User Account Control.
  - Managing Apps from the Windows Store
  - Configuring Internet Explorer Settings
  - Configuring Application Restrictions in the Enterprise
  - Testing the AppLocker Rules
  - Install and manage applications from the Windows Store.
  - Configure and secure Microsoft Internet Explorer.
  - Configure application restrictions.
  - Managing the Reliability of Windows 8
  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
  - Configuring VPN Access
  - Configuring Remote Desktop and Remote Assistance
  - Overview of DirectAccess
  - Enable and configure VPN access.
  - Enable and configure Remote Desktop and Remote Assistance.
  - Describe when and how to use DirectAccess to address remote users' requirements.
  - Creating Virtual Machines
  - Managing Virtual Hard Disks
  - Managing Snapshots
  - Explain the process for creating and working with virtual machines.
  - Identify key aspects of working with virtual disks.
  - Understand and manage snapshots with

- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.

- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
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- Describe how to configure file compression.
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- Configuring User Account Control
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- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.

- Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

#### Module 14: Using Windows PowerShell

This module explains how to use Windows PowerShell, its (GUI), and scripting editor to write scripts that automate repetitive tasks, and thereby increase consistency and productivity.

#### Lessons

- Optimizing the Performance of Windows 8
- Introduction to Windows PowerShell 3.0
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity

- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
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- Introducing a Simulated Problem
- Resolving the Problem
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- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets
- Preparing to Install Windows 8
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- Activating Windows 8
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- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer

- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
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- Activating Windows 8
- Performing a Clean Installation of Windows 8
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- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.

- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
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- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
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- Testing the AppLocker Rules
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- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance

- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
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- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
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- Implementing Name Resolution
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- Configuring IPv4 Manually
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- Securing Network Traffic
- Configuring Windows Defender
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- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
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- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
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- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
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- Working with Virtual Hard Disks
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- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity

- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

#### Lab : Configuring Network Connection

- Enabling Automatic IPv4 Configuration

- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer

#### the Enterprise

- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess
- Enable and configure VPN access.
- Enable and configure Remote Desktop and Remote Assistance.
- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
- Resolving the Problem
- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

#### Module 9: Configuring Applications

- This module explains how to install and configure applications, which include both desktop apps and Windows Store apps.

#### Lessons

- Upgrading to Windows 8
- Managing Disks, Partitions, and Volumes
- Configuring IPv4 Network Connectivity
- Overview of Wireless Networks
- Overview of Threats to Network Security
- Managing File Access
- Authentication and Authorization in Windows 8
- Install and Configure Applications
- Configuring Mobile Computers and Device Settings
- Overview of Hyper-V

- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance

- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
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- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
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- Troubleshoot common network-related problems.
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- Configuring Windows Defender
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- Managing Printers
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- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
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- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
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- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise

- Backing Up and Restoring Files in Windows 8
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
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- Maintain local hard disks.
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- Configuring IPv6 Network Connectivity
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- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
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- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
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- Explain how to configure Windows

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- Enable and configure VPN access.
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- Describe when and how to use DirectAccess to address remote users' requirements.
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots
- Explain the process for creating and working with virtual machines.
- Identify key aspects of working with virtual disks.
- Understand and manage snapshots with Hyper-V.
- Recovery Options in Windows 8
- Introducing a Simulated Problem
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- Describe how to recover a Windows 8 computer.
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets

After completing this module, students will be able to:

- Describe the different editions of Windows 8.
- Configure a local area network (LAN) connection with IPv4.
- Describe the threats to network security.
- Describe how to optimize Windows 8 performance.
- Configure Windows 8 settings that are applicable to mobile computing devices.
- Describe Hyper-V.
- Describe how to back up and restore files in Windows 8.
- Describe the basic features of Windows PowerShell 3.0.
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
- Install Windows 8.
- Automate the Installation of Windows 8.
- Explain Windows 8 Licensing and Activation.
- Migrating to Windows 8
- Migrating User Data and Settings
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- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
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#### Lab : Troubleshooting Network Connectivity

- Creating a Simulated Network Connectivity Problem
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8
- Performing a Clean Installation of Windows 8
- Using an Answer File to Install Windows 8
- Prepare a computer for Windows 8 installation.
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- Migrating to Windows 8
- Migrating User Data and Settings
- Restoring User Data and Settings to a

- Defender.
- Managing Shared Folders
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- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
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- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates
- Introducing Additional Workload
- Measuring System Responsiveness Under Load
- Explain how to manage Windows 8 reliability.
- Explain how to manage and maintain Windows 8 updates.
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- Configuring IPv4 Manually
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## Target Computer

- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
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- Using Windows PowerShell Cmdlets
- Describe Windows PowerShell Remoting.
- Describe the use of Windows PowerShell cmdlets
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## Enterprise

- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
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After completing this module, students will be able to:

- Describe the different editions of Windows 8.
- Configure a local area network (LAN) connection with IPv4.
- Describe the threats to network security.
- Describe how to optimize Windows 8 performance.
- Configure Windows 8 settings that are applicable to mobile computing devices.
- Describe Hyper-V.
- Describe how to back up and restore files in Windows 8.
- Describe the basic features of Windows PowerShell 3.0.
- Preparing to Install Windows 8
- Installing Windows 8

- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
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Lab : Configuring Internet Explorer Security

- Configuring Internet Explorer

Lab : Configuring AppLocker

- Configuring AppLocker Rules

## Policy Objects

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  - Configure application restrictions.
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  - Managing Windows 8 Updates
  - Introducing Additional Workload
  - Measuring System Responsiveness Under Load
  - Explain how to manage Windows 8 reliability.
  - Explain how to manage and maintain Windows 8 updates.
  - Configuring VPN Access
  - Configuring Remote Desktop and Remote Assistance
  - Overview of DirectAccess
  - Enable and configure VPN access.
  - Enable and configure Remote Desktop and Remote Assistance.
  - Describe when and how to use DirectAccess to address remote users' requirements.
  - Creating Virtual Machines
  - Managing Virtual Hard Disks
  - Managing Snapshots
  - Explain the process for creating and working with virtual machines.
  - Identify key aspects of working with virtual disks.
  - Understand and manage snapshots with Hyper-V.
  - Recovery Options in Windows 8
  - Introducing a Simulated Problem
  - Resolving the Problem
  - Describe how to recover a Windows 8 computer.
  - Windows PowerShell Remoting
  - Using Windows PowerShell Cmdlets
  - Describe Windows PowerShell Remoting.
  - Describe the use of Windows PowerShell cmdlets
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- Preparing to Install Windows 8
  - Installing Windows 8
  - Automating the Installation of Windows 8
  - Activating Windows 8
  - Performing a Clean Installation of Windows 8
  - Using an Answer File to Install Windows 8
  - Prepare a computer for Windows 8 installation.
  - Install Windows 8.
  - Automate the Installation of Windows 8.
  - Explain Windows 8 Licensing and Activation.
  - Migrating to Windows 8
  - Migrating User Data and Settings

- Restoring User Data and Settings to a Target Computer
- Verifying Successful Migration of User Data and Settings
- Describe the options and processes for migrating to Windows 8.
- Identify important settings and data to migrate and explain how to migrate them.
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers
- Configuring Quotas
- Working with VHDs
- Managing Device Drivers
- Maintain local hard disks.
- Use VHDs.
- Install and configure device drivers.
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity
- Configuring IPv4 Manually
- Resolving a Network Connectivity Problem
- Configure a LAN connection with IPv6.
- Implement automatic IP address allocation.
- Implement name resolution.
- Troubleshoot common network-related problems.
- Implementing a Wireless Network
- Determining the Cause of Wireless Network Problems
- Configuring a Wireless Network Policy
- Configure a wireless network connection.
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender
- Creating An Outbound Firewall Rule
- Explain how to configure Windows firewall.
- Explain how to secure network traffic.
- Explain how to configure Windows Defender.
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive
- Creating a Shared folder for the Marketing Group
- Describe shared folders management.
- Describe how to configure file compression.
- Explain how to configure and manage printers.
- Describe the purpose and functionality of SkyDrive.
- Implementing Group Policy Objects
- Securing Data with EFS and BitLocker
- Configuring User Account Control
- Testing the Application of the Local Group Policy Objects
- Describe how to use local Group Policy Objects (GPOs) to configure security and other settings.
- Select a suitable disk encryption method.
- Configure User Account Control.
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings



- Configuring Application Restrictions in the Enterprise
- Testing the AppLocker Rules
- Install and manage applications from the Windows Store.
- Configure and secure Microsoft Internet Explorer.
- Configure application restrictions.
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Module 5: Implementing Wireless Network Connections

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## Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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