Implementing and Managing Windows 10

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Lab Outline

The 70-698 Practice Lab will provide you with the necessary platform to gain hands on skills in installing and configuring Microsoft Windows 10.

By completing the lab tasks, you will improve your practical skills in implementing Windows, configuring and supporting core services and managing and maintaining Windows 10.

These same tasks will help you understand the objectives and competencies required by the Microsoft 70-698 certification exam.

Course Code	Skill Level
70-698	**Intermediate**
Released	Duration
Jan 2017	**22 hours**

Outcomes

*After completing this Practice Lab, students will be able to:*

- Perform a regular installation of Windows
- Install Windows on a virtual hard disk
- Manage Windows device drivers
- Install Windows miscellaneous features
- Configure IPv4 and IPv6 networking
- Setup and test virtual private networks
- Configure disk storage
- Manage file sharing with Homegroups
- Download and install Windows apps
- Remotely administer Windows via command line
- Configure Windows Updates
- Monitor the system performance of Windows desktops
- Backup and restore Windows
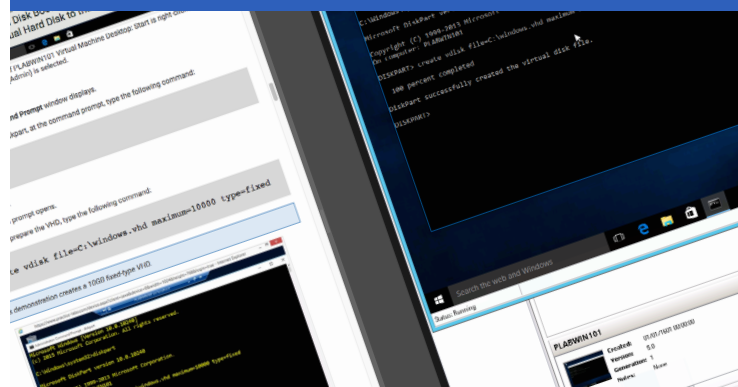
Prerequisites

No prior hands-on experience is required to use or complete this Practice Lab. However, it would be beneficial to be familiar with the following concepts:

- An understanding of networking fundamentals
- Awareness and understanding of security best practices
- A basic knowledge of AD DS concepts
- Familiarity of Windows client operating systems

Who is it For?

The 70-698 certificate is aimed at desktop support engineers, IT support technicians and IT professionals seeking to advance their hands-on skills in Windows 10.

Additional Info

This Practice Lab focuses on the practical aspects of the 70-740 exam objectives. It is therefore advised to refer to your own course materials to gain a deeper understanding of any theoretical aspects of the exam objectives.
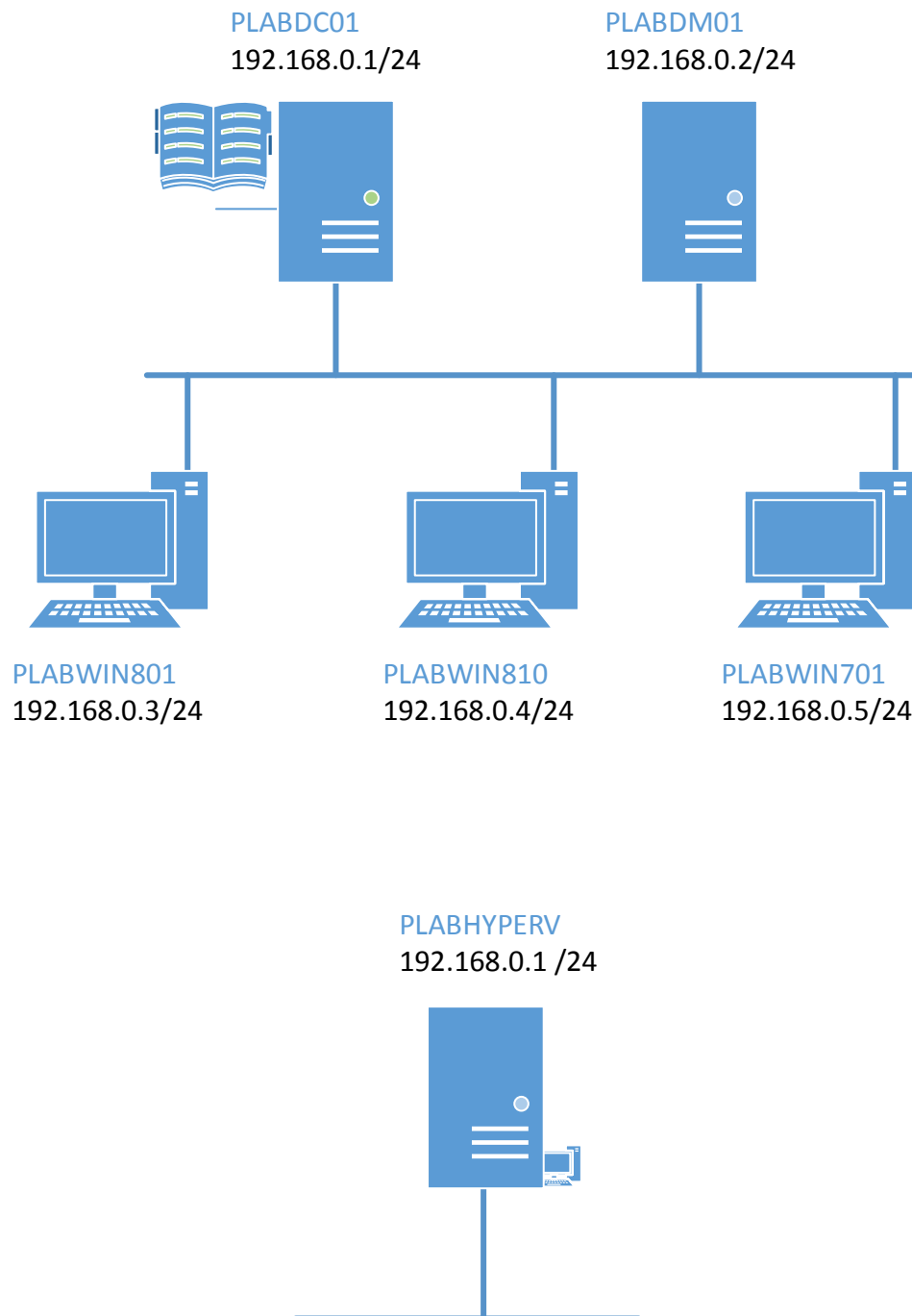
Support 9am-5pm(GMT) : +44 (0) 203 588750
E-mail: sales@practice-labs.com

Lab Topologies

You will also have access to the following topologies:

PLABDC01
192.168.0.1/24

PLABDM01
192.168.0.2/24

PLABWIN801
192.168.0.3/24

PLABWIN810
192.168.0.4/24

PLABWIN701
192.168.0.5/24

PLABHYPERV
192.168.0.1 /24

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Modules and Exercises

Implementing Virtual Hard Disk Boot and Windows PE

Introduction
Exercise 1 - Adding a Virtual Hard Disk to the Boot Menu
Exercise 2 - Creating a Windows PE ISO Image to Boot a
 Guest Virtual Machine
Summary

Understanding Windows ICD and Licensing

Introduction
Exercise 1 - Working with Windows ICD
Exercise 2 - Managing Licensing and Activation Status of
 Windows 10
Summary

Implementing Windows 10 Main Features

Introduction
Exercise 1 - Configuring Microsoft Edge Settings
Exercise 2 - Working with Internet Explorer
Exercise 3 - Installing Hyper-V Server
Exercise 4 - Demonstrating Power Management Settings
Exercise 5 - Working with Cortana
Summary

Understanding Windows Media Creation Tool and Other
 Features

Introduction
Exercise 1 - Creating Windows 10 Installation Media
Exercise 2 - Working with Language Features
Exercise 3 - Working with Optional Features
Summary

Managing Windows 10 User Interface

Introduction
Exercise 1 - Customizing the Windows 10 Start Menu
Exercise 2 - Customizing Windows 10 Appearance
Exercise 3 - Customizing the Taskbar in Windows 10
Exercise 4 - Managing the Action Center in Windows 10
Exercise 5 - Managing Accessibility Options
Summary

Installing Device Drivers

Introduction
Exercise 1 - Working with Device Drivers
Summary

Managing Device Drivers

Introduction
Exercise 1 - Working with Unsigned Drivers
Exercise 2 - Managing Driver Packages
Summary

Implementing Storage Spaces

Introduction
Exercise 1 - Configuring Storage Spaces
Exercise 2 - Managing Storage Pools
Summary

Configuring Disk Partitions and VHDs

Introduction
Exercise 1 - Managing Disk Partitions
Exercise 2 - Working with Virtual Hard Disks
Summary

Implementing Homegroups

Introduction
Exercise 1 - Configuring HomeGroup Connections
Summary

Managing Printers and File System Security

Introduction
Exercise 1 - Managing Shared Printers
Exercise 2 - Working with Shared Folders
Exercise 3 - Managing NTFS Permissions
Summary

Managing Windows Updates

Introduction
Exercise 1 - Working with Windows Updates
Exercise 2 - Managing Windows Updates
Exercise 3 - Working with Automatic App Updates
Summary

Monitoring Windows System Performance

Introduction
Exercise 1 - Monitoring System Performance
Exercise 2 - Recording Performance Data
Exercise 3 - Managing Printers
Exercise 4 - Working with Indexing Options
Exercise 5 - Working with Windows Defender
Exercise 6 - Working with Reliability Monitor
Summary

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Managing Authorization and Authentication

Introduction
Exercise 1 - Creating Workgroups
Exercise 2 - Joining Computers to Domain
Exercise 3 - Working with Local User Accounts
Exercise 4 - Managing Credentials in Windows Credential
Manager
Exercise 5 - Working with Microsoft Account
Exercise 6 - Managing Credential Guard
Exercise 7 - Managing User Account Control (UAC) Settings
Summary

Managing Windows Event Logs

Introduction
Exercise 1 - Prepare Event Logs Subscription Prerequisites
Exercise 2 - Configure Event Collector Subscription
Exercise 3 - View Forwarded Event Logs
Exercise 4 - Working with Event Log Views
Summary

Configure Advanced Management Tools

Introduction
Exercise 1 - Stopping, Starting, Restarting, and Disabling
Services in Windows 10
Exercise 2 - Creating and Managing Task Scheduler
Exercise 3 - Managing Devices with Windows Device
Manager
Summary

Configure Networking

Introduction
Exercise 1 - Managing Internet Protocol IP Addresses
Exercise 2 - Managing Network Locations
Exercise 3 - Working with Inbound Rules in Windows Firewall
Exercise 4 - Configuring Network Discovery
Summary

Configuring Remote Assistance

Introduction
Exercise 1 - Setting up Remote Assistance in Windows 10
Summary

Managing Windows Apps

Introduction
Exercise 1 - Managing Windows 10 Startup Programs
Exercise 2 - Restricting Application Access Using AppLocker
Summary

Managing Windows with Remote Admin Tools

Introduction
Exercise 1 - Working with RDP
Exercise 2 - Administering Windows with PowerShell
Remoting
Summary