

5 Days

## 20415: Implementing a Desktop Infrastructure

This 5-Days course provides the essential skills and knowledge required to plan, design, and implement a Windows 8 desktop infrastructure. This program guides an individual to plan and deploy desktops by using numerous technologies such as User State Migration Tool (USMT), Microsoft Deployment Toolkit (MDT) and Virtual Desktop Infrastructure (VDI). It will also make you aware of the techniques to protect desktops and to monitor its health and performance.

### Objectives:

You should be able to meet the following objectives after the completion of this course:

- Assessing and determining desktop deployment options.
- Capturing and managing a desktop operating system image.
- Implementing desktop security.
- Monitoring the performance and health of the desktop infrastructure.
- Planning and implementing the updates infrastructure to support enterprise desktops.
- Protecting enterprise desktops from malware and data loss.

## Course Details

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### Course Outline

**Module 1:** Assess and Determine Desktop Deployment Options

**Module 2:** Plan an Image Management Strategy

**Module 3:** Implement Desktop Security

**Module 4:** Capture and Manage a Desktop Operating System Image Module

**Module 5:** Plan and Implement User State Migration

**Module 6:** Plan and Deploy Desktops Using the Microsoft Deployment Toolkit

**Module 7:** Plan and Deploy Desktops by Using System Center 2012 Configuration Manager

**Module 8:** Plan and Implement a Remote Desktop Services Infrastructure

**Module 9:** Manage User State Virtualization for Enterprise Desktops

**Module 10:** Plan and Implement an Updates Infrastructure to Support Enterprise Desktops

**Module 11:** Protect Enterprise Desktops from Malware and Data Loss

**Module 12:** Monitor the Performance and Health of the Desktop Infrastructure

## Who Should Attend

IT Professionals

## Pre Requisite

The students should know the following, before attending this course:

- Solid Understanding of TCP/IP and networking concepts.
- Solid Understanding of Windows and Active Directory Domain Services (AD DS).
- Understanding of scripts and batch files.
- Solid Understanding of security concepts such as authentication and authorization.
- Understanding of management tools such as System Center 2012 Operations Manager, System Center 2012 Configuration Manager, and System Center 2012 Data Protection Manager.
- Familiarity with certificates and Certification Authority (CA) implementation and configuration.
- Familiarity with imaging, packaging, and operating system deployment concepts.
- Knowledge equivalent to Windows 2012 MCSA.

Experience administering Windows Server that typically has the following characteristics:

- 2,500 to 50,000 or more users.
- Multiple physical locations and multiple domain controllers.
- Network services and resources such as messaging, databases, file & print, Internet access, an intranet, and client computer management.
- Support for Windows 8 client desktops.
- Deployment and management of both physical and virtual applications.

## Exams

Microsoft Certified Professional (MCP) [70-415]

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