

5 Days

20695: Deploying Windows Desktops and Enterprise Applications

This five-day Microsoft 20695 course describes how to assess operating system and application deployment options, determine the most appropriate deployment strategy, and then implement a lite-touch or zero-touch deployment solution for Windows devices and apps. Solutions that this course covers include operating system deployment scenarios using the Microsoft Deployment Toolkit (MDT) and System Center 2012 R2 Configuration Manager.

Course Details

Course Outline

Module 1: Assessing the network environment for supporting operating system and application deployment

- Overview of the enterprise desktop life cycle
- Assess readiness for a desktop deployment by using Configuration Manager
- Assess deployment readiness by using MAP

Module 2: Determining operating system deployment strategies

- Understand tools and strategies you can use for operating system deployment
- Use the High Touch with Retail Media deployment strategy
- Use the High Touch with a Standard Image deployment strategy
- Use a lite touch deployment strategy
- Use a zero touch deployment strategy
- Alternative deployment strategies for Windows desktops

Module 3: Assessing application compatibility

- Diagnosing application compatibility issues
- Mitigating application compatibility issues
- Use ACT to address application compatibility issues

Module 4: Plan and Implement user state migration

- Overview of user state migration
- Overview of USMT 10.0
- Plan user state migration
- Migrate user state by using USMT

Module 5: Determining an image management strategy

- Overview of the Windows image file format
- Overview of image management

Module 6: Preparing for deployments by using the Windows ADK

- Overview of the Windows setup and installation process
- Prepare boot images by using Windows PE
- Use Windows SIM and Sysprep to automate and prepare an image installation
- Capture and service a reference image using DISM
- Use the Windows ICD

Module 7: Supporting PXE-initiated and multicast operating system deployments

- Overview of PXE-initiated and multicast operating system deployments
- Install and configure the Windows DS environment

Module 8: Implement operating system deployment by using the MDT

- Plan for the MDT environment
- Implement MDT 2013 Update 2
- Integrate Windows DS with MDT

Module 9: Managing operating system deployment

- Overview of operating system deployment
- Prepare a site for operating system deployment
- Deploy an operating system

Module 10: Integrate MDT and Configuration Manager for operating system deployment

- Integrate deployment tools with Configuration Manager
- Integrate MDT with Configuration Manager

Module 11: Activating clients and managing additional configuration settings

- Solutions for volume license activation
- Determine additional client configuration settings

Module 12: Deploy Office 2016

- Methods for Deploy Microsoft Office 2016 editions
- Customize Office deployments
- Deploy Office 2016 by using Office 365

- Manage Office settings
- Introduction to Windows Store for Business
- Distribute apps by using Windows Store for Business

Who Should Attend

- This course is targeted to IT professionals who are involved in deploying, managing, and maintaining PCs, devices, and apps across medium, large, and enterprise organizations.
- Moreover, this course is intended for professionals having a desktop-support background, or have worked as Enterprise Desktop Administrators.
- A significant portion of this audience uses or intends to use Configuration Manager to manage and deploy PCs, devices, and enterprise applications.
- Additionally, this course is for individuals who are willing to take the MCSE exam 70-695: Deploying Windows Desktops and Enterprise Applications.

Pre Requisite

Before attending this course, candidates must have:

- System administrator–level working knowledge of:
- Networking fundamentals, including common networking protocols, topologies, hardware, media, routing, switching, and addressing.
- Microsoft Active Directory Domain Services (AD DS) principles and fundamentals of AD DS management.
- Installation, configuration, and troubleshooting for Windows-based personal computers.
- Basics of Public Key Infrastructure (PKI) security.
- Understanding of scripting and Windows PowerShell syntax.
- Understanding of Windows Server roles and services.
- Understanding of the management tasks that you can perform by using Configuration Manager.

Exams

Microsoft Certified Professional (MCP) [70-695]

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