

Group Policy Fundamentals, Security and the Managed Desktop

ISI-1343B 4 Days Instructor-led, Hands-on

Introduction

This four-day, instructor-led course has been fully updated for Windows 10 and Windows Server 2016. The course content was developed by Microsoft Group Policy MVP Jeremy Moskowitz. It equips you with the most current Group Policy tools and techniques to help you manage a Windows desktop and Windows Server environment effectively and efficiently.

The course takes you step-by-step through all the Group Policy concepts and tools that enable you to set and enforce rules and automate processes to manage network operations and implement effective security. You will learn to use Group Policy Preferences, ADMX files, and every feature of the GPMC; troubleshoot Group Policy; deploy software to your desktops; take full advantage of the Security Configuration Manager; and everything else in-between. This is your complete guide to the latest Group Policy features and functions for all modern Windows clients and servers, helping you manage more efficiently and effectively.

This course is intended for network staff responsible for help desk support, system administration, and network design.

At Course Completion

After completing this course, students will be able to:

- Understand how Group Policy handles both user and server administration
- Apply all the newest features and functions to manage modern Windows clients and servers
- Utilize Group Policy Preferences, ADMX files, and add-ons
- Improve your administrative skills as you master new features of the GPMC
- Work with enhanced logs, Resource Kit utilities, and third-party tools to enhance troubleshooting capabilities
- Employ improved tools to manage printers, drive maps, restrict hardware, and configure Internet Explorer
- Use Group Policy settings to deploy software to your desktops, set up roaming profiles, and configure Offline Files for all your Windows clients
- Secure your desktops and servers with AppLocker, Windows Firewall with Advanced Security, and the Security Configuration Manager
- Work through examples that illustrate each concept

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Coverage Includes:

- Updated GPMC Features
- ADMX/ADML Files
- Group Policy Preferences
- Item-Level Targeting
- The Central Store
- AppLocker
- Fine-Grained Password Policy
- Offline Files Updates
- Inheritance Blocking
- Prioritization
- Linking
- Loopback Policy Processing
- Security Policy Processing
- Enforcing
- WMI Filters
- Third-Party Tools
- Cross-Forest Trusts
- Filters
- Commenting
- Searching
- Advanced Logging and Troubleshooting
- Advanced Auditing Controls
- Group Policy and VDI
- Security Configuration Manager
- Windows Intune
- Group Policy over the Internet

Prerequisites

Before attending this course, students must have:

- Experience with the Microsoft Windows Server environments and a fundamental understanding of Active Directory

Course Outline

Module 1: Group Policy Essentials

This module describes the basis of what Group Policy is and how it functions. It also describes the Group Policy features that are included in the newer Windows operating systems.



Module 2: Managing Group Policy with the GPMC

This module describes the differences between local and domain policies and the Group Policy management tools you can use to manage these policies.

Module 3: Group Policy Processing Behavior Essentials

Module 4: Advanced Group Policy Processing

Module 5: Group Policy Preferences

Module 6: Managing Applications and Settings Using Group Policy

Module 7: Troubleshooting Group Policy

Module 8: Implementing Security with Group Policy

Module 9: Profiles: Local, Roaming and Mandatory

Module 10: The Managed Desktop: Redirected Folders, Offline Files and the Synchronization Manager

Module 11: The Managed Desktop: Software Deployment Via Group Policy

Module 12: Finishing Touches with Group Policy: Scripts, Internet Explorer, Hardware Control, Printer Deployment, Local Admin Password Control