



Two-Day and Three-Day Active Directory Group Policy Training and Workshops



Why Get Training in Group Policy?



What is Group Policy, and why does it matter?

Most companies spend a fortune in planning and migrating to Active Directory. Then, once they have Active Directory in place, the next logical question is “What do we **do** with it now?” Group Policy **is** what you do with Active Directory—you control and manage your clients and servers with the nearly limitless power it offers.

However, with power comes responsibility. The power of Group Policy is in the way you can make a “wish” from a central location and your clients’ systems can embrace that wish. However, if implemented incorrectly or carelessly, there will likely be unexpected and costly consequences.

The best time to learn how to use the power of Group Policy is while the iron is hot—right after you migrate to Active Directory! Make sure the people in charge of Active Directory operations have a firm grasp on the concepts of Group Policy to *avoid* costly mistakes and downtime.

Why this Group Policy course?

Microsoft doesn’t have its own course dedicated to Group Policy. Microsoft's own “Official Curriculum” on Active Directory has very little emphasis on Group Policy—arguably the most important part of day-to-day Active Directory administration.

Very few other training courses tap deep into the well of Group Policy to really ensure that students can confidently implement this powerful technology. Not only will the concepts be taught in an understandable way, but they will be reinforced with demonstrations as well as hands-on labs designed to empower students to take the skills out of the lab and put them into practice!

This material has been battle-tested in companies around the world. It has been gathered from hundreds of Active Directory and Group Policy administrators managing thousands of servers. And whenever a new development from Microsoft is on the way, details will be included in the seminar, making the seminar completely up-to-the-minute.

Because Group Policy touches every single server, desktop, and laptop, all administrators need to understand these very important theories, concepts, and best practices! There are hundreds of real-world techniques, skills, and best practices taught in class which can save time and costs for your organization.

After you’ve taken our seminar, your whole staff can be on the same page when implementing and utilizing Group Policy in your organization. The information in our courses is valid for those companies with either Windows 2000–based domains or Windows 2003–based domains with both Windows 2000 Windows XP clients !

If you have more than 10 workstations and more than 3 servers, you’ll need to know how to leverage the power of Group Policy.

Who Should Get Training in Group Policy? About Our Two Course Options...

The GPanswers training is available in either:

- Two-day intensive training, or
- Three-day “less-intensive” training

Each option is geared toward the type of administrator and what they plan to do day-to-day with Active Directory and Group Policy.

The Two-day Intensive Group Policy Workshop is primarily meant for:

- Active Directory Architects: This administrator needs to know which sections of Group Policy should be addressed and which should be avoided for your rollout
- Domain Administrators, Server Operators, and Server Administrators: Plan and manage your Group Policy design the right way, the first time!
- Security Administrators: Group Policy touches every single aspect of Active Directory security. Having a firm foundation in Group Policy will ensure security directives are accurately implemented and enforced.

Prerequisites for the two-day class: Students should know how to use Active Directory Users and Computers to create user and group accounts, how to create OUs, and should have a basic understanding of Active Directory sites, domains, and OUs. Some Group Policy implementation is helpful but not required.

Note: The two-day course is always taught by Jeremy Moskowitz

The Three-Day “Less-Intensive” Active Directory and Group Policy Workshop is meant primarily for:

- OU Administrators: These key administrators need to understand how to create and manage Group Policy just as much as Domain Administrators.
- Desktop Design Architects: What will the end-user experience be like for your rollout? This administrator needs to know how to leverage Group Policy to design the desktop.
- Desktop Administrators: If Group Policy stops functioning, the Desktop Administrator will need the skills to troubleshoot and assist the server administrators.

Prerequisites for the three-day class: None. This class is perfect for people needing some introduction to Active Directory Users and Computers before learning about Group Policy.

Note: The three-day course is usually taught by James Conrad

About Your Chief Instructor: Jeremy Moskowitz



Who is Jeremy Moskowitz?

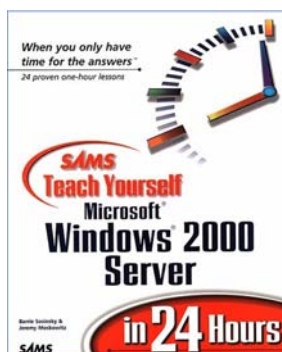
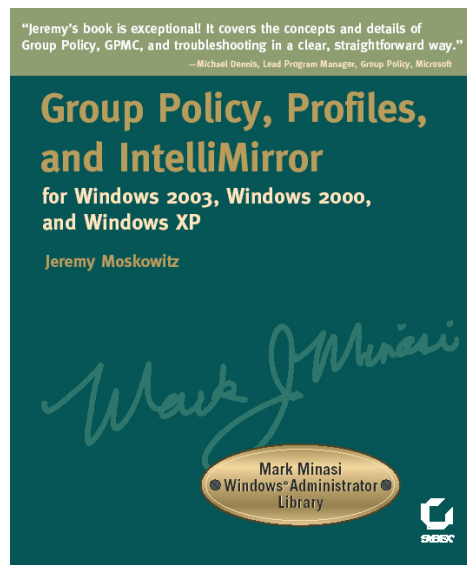
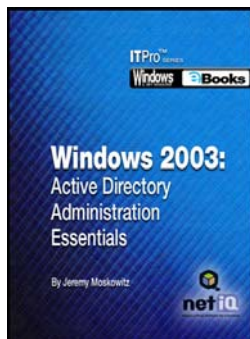
Jeremy Moskowitz is chief Propeller-Head for Moskowitz, inc.

He has co-authored five popular books on Windows technologies, including *Teach Yourself Windows 2000 Server in 24 Hours* (Sams), *Windows 2003: Active Directory Administration Essentials* (NetIQ) and his runaway hit *Group Policy, Profiles, and IntelliMirror* (Sybex).

Since becoming one of the world's first MCSEs in both NT and 2000, he has performed Windows NT and Windows 2000 desktop and server provision implementation for some of the nation's largest organizations. He was recently announced as a Microsoft MVP for server and desktop management.

Jeremy is widely considered a "Thought Leader" in the Active Directory and Windows world. He is a nationally recognized authority on Windows 2000/2003 Server, Group Policy, Active Directory, and server and systems management.

His books and articles have been read by millions and translated into multiple languages. Jeremy has written for *Windows and .NET Magazine*, *MCP Magazine*, *BackOffice Magazine*, *Windows IT Pro Magazine*, *Inside Technology Training Magazine*, *PC Magazine*, and *Ziff-Davis' Windows Professional Journals*, among others.



About Your Chief Instructor: Jeremy Moskowitz (continued)

Why utilize Jeremy Moskowitz from Moskowitz, inc. for your Group Policy training?

Jeremy Moskowitz's name is nearly synonymous with Group Policy training! He is the only nationally recognized speaker dedicated to the knowledge transfer of Group Policy concepts.

Jeremy has been featured in and has keynoted at some of the world's most prestigious conferences, such as *Windows & .NET Magazine's* Connections Conference, *MCP Techmentor*, *MIS Training Institute*, *COMDEX* and more! He has taught Active Directory and Group Policy to companies of all sizes around the world.

Jeremy is one of only four Microsoft MVPs in Group Policy, and is the resident Group Policy Expert at TechTarget.com.

He also runs GPanswers.com, a community forum to help everyone get their toughest Group Policy questions answered.

Jeremy's approach to Group Policy learning and implementation is the same as his approach to his book. Here is what the Group Policy team at Microsoft said about his book:

"Jeremy's book is exceptional! It covers the concepts and details of Group Policy, GPMC, and troubleshooting in a clear, straightforward way."

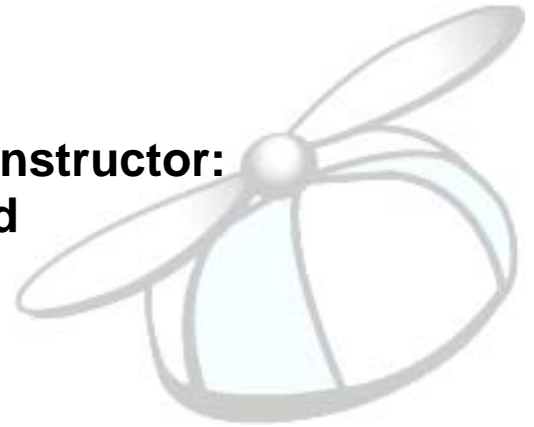
—Michael Dennis, Lead Program Manager, Group Policy, Microsoft



Here are some actual comments on Jeremy's live seminars:

- Outstanding speaker!
- Nothing short of superb!
- Good, fast paced! Covered a lot quickly and at a detailed, advanced level.
- Great speaker, very vibrant and interactive.
- A wizard!
- Excellent topic, excellent presentation, excellent speaker.
- Tons of great material!
- Great for beginners or experts!
- His enthusiasm is catching.
- The tools are useful, the examples/demos help make sense of the abstract and complex concepts.
- Technical yet understandable!
- Great job keeping things going, and not going on tangents.
- Jeremy, your presentation was the best of all.
- By far the best speaker.

About Your Three-Day Instructor: James Conrad



Who is James Conrad?

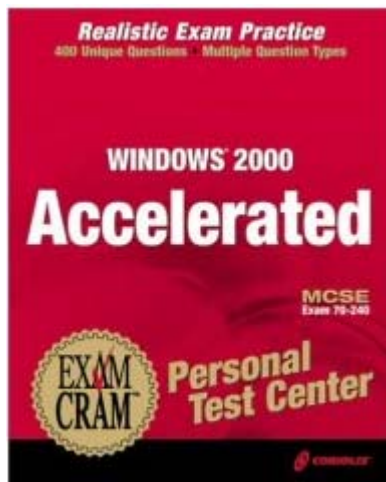
James I. Conrad, MCSE 2003, Server+, A+, Certified Ethical Hacker

For years, James Conrad has been a sought-after consultant and trainer for Fortune 500 companies. James has been an exam writer for Microsoft MCSE exams and was a key contributor in determining MCSE exam objectives in the Microsoft Certification and Skills Assessment division.

James has trained and consulted for Intel, UCLA, Raytheon, Compaq, Hewlett-Packard, MCI Worldcom, Sprint, Exxon-Mobil, Boeing, Lockheed Martin, the U.S. Department of Justice, the Bureau of Land Management, and many others.

James writes internal training materials for current Windows products and has authored Windows 2000 Server for Computer Associates, and Windows XP Desktop Administration for the Windows Consulting Group, among others. He has also been a technical editor for many books including "The Tips and Tricks Guide to Securing .NET Server" by Roberta Bragg and "Windows Server 2003 Security: A Technical Reference" also by Roberta Bragg. James also wrote the CompTIA Server+ college curriculum for Thomson Learning.

James wrote five Personal Test Center exam preparation tests for Coriolis which focused on the Microsoft Windows 2000 exams. James has also written the popular Windows 2000 Server, Windows 2000 Professional, and CompTIA Network+ certification books for ComputerPrep. James also served as the technical editor for Thomson Learning's Network+ college curriculum. James is currently the lead instructor for CBT Nuggets, a leading Microsoft, Cisco, and Linux video training source.



Training and Workshop Itinerary

Here is the breakdown of how the classes work:

- 33% Lecture/knowledge transfer
- 33% Demonstration of concepts
- 33% Hands-on lab time—turning concepts into practice
- 1% Time to catch your breath !

This training approach helps students understand the material on multiple levels and reinforces the concepts *before* they put their knowledge into practice in production.

Two-Day Intensive Training and Workshop Timing

- The Two-Day Intensive Training and Workshop is just that—intensive.
 - We generally start at 8:30 or 9:00 and learn until 4:00 to 5:00 each day.
 - We have learning, demonstration and lab time — 100% focused on Group Policy topics
 - In this class we have a “working lunch” where we work through lunch on each day to complete the labs.

Three-Day Less Intensive Training and Workshop Timing

- The Three-Day Less Intensive Training and Workshop has a less extreme schedule.
 - Class starts each day at 9:00 and breaks for lunch at 12:00
 - Class starts up again at 1:00.
 - There is more time for labs.
 - Class ends at 4:00 to 5:00 each day.

About the Training and Workshop Labs



About the lab machines...

While not strictly required, this class is enhanced if the attendees each have their own machine available or bring their own laptop to class. This is so we can perform real-world workshop experiments to solidify the concepts learned during the lecture and demonstrations. Each attendee should have a laptop or desktop with **at least** the following specifications:

- Windows XP or Windows 2000 pre-loaded. User should have local administrative logon rights to the laptop
- Pentium III at 500Mhz (Pentium 4 at 1Ghz or Pentium Centrino at 1Ghz recommended)
- 512MB of RAM (1GB recommended, but not required)
- 6GB free hard drive space

Everything else required for the labs is provided by Moskowitz, Inc.:

- 30-Day evaluation version of VMware workstation 5.0
- 180-Day evaluation version of Microsoft Windows Server 2003
- 120-Day evaluation version of Microsoft Windows XP
- 180-Day evaluation version of Microsoft Office 2003
- Lab course guidelines and answers!

This way, students can keep practicing for **at least** a month after learning the material!

Group Policy Intensive Training and Workshop Outline

Note: This course outline is for the Two-Day Intensive Workshop. The Three-Day Workshop is slightly different, and focuses mostly on the tasks that OU administrators and desktop administrators need to perform the most.

Part I: Welcome, Introductions, and Lab Setup

Three-Day Only:

- Active Directory warm-up
- Understanding Active Directory Users and Computers
- Creating User and Group Accounts
- Creating OUs and moving users and computers around
- Understanding Active Directory delegation

Part II: Group Policy Overview:

Talk and Demo:

- Group Policy functions
- Windows 2000 vs. Windows XP/Windows 2003
- Group Policy processing basics
- Group Policy levels and precedence
- Discussion of where GPOs live (the swimming pool concept)
- Where does Group Policy apply?
- When does Group Policy apply?
- Old-school interface
- The GPMC—quick tour
- Group Policy management stations

Labs:

- Lab 2.1: Create domain-linked GPO
- Lab 2.2: Deleting GPOs
- Lab 2.3: Understanding the difference between Windows 2003 and Windows XP management workstations
- Lab 2.4: Creating your own management workstation
- Lab 2.5: Loading the GPMC
- Lab 2.6: Creating a unified console
- Lab 2.7: Modifying Windows 2003 for the GPMC
- Lab 2.8: Creating GPOs with your GPMC/Management Station
- Lab 2.9: Understanding filtering
- Lab 2.10: Creating GPOs that are linked to sites

Group Policy Intensive Training and Workshop Outline

(continued)



Part III: Group Policy Processing Essentials

Talk and Demo:

- Linking a GPO to multiple levels in AD
- Link enabled vs. disabled
- Delete vs. unlink
- Enforced (No Override)
- Block inheritance
- Priority
- Security filtering by Group
- Security filtering by advanced properties

Labs:

- Lab 3.1 Group discussion and exercise: Determining best OU structure based on requirements
- Lab 3.2: Moving machine accounts
- Lab 3.3: Creating and linking GPOs to specific OUs
- Lab 3.4: Block inheritance
- Lab 3.5: Linking GPOs to other OUs
- Lab 3.6: What do you do in an emergency?
- Lab 3.7: Security filtering by Security Group
- Lab 3.8: Security filtering by advanced properties

Group Policy Intensive Training and Workshop Outline

(continued)

Part IV: Group Policy Theory

Talk and Demo:

- What happens when a new GPO is created?
- What is GPO versioning?
- Why do GPOs get processed?
- What happens when Group Policy applies...
 - Initially
 - In the background for members
 - In the background for DCs
 - During security processing
 - When moving a user or computer
 - When performing manual processing
 - When processing over slow links
 - Across Forests
- Differences between Windows 2000, Windows 2003, and Windows XP
- Special processing scenarios
 - What happens when you move a user or computer in Active Directory?
 - When does security get processed?
 - How does XP process GPOs differently?
- Backup and recovery of GPOs

Labs:

- Lab 4.1: Make Windows XP machines act like Windows 2000 machines
- Lab 4.2: Backup and recovery of GPOs
- Lab 4.3: RsOP skills
- Lab 4.4: Using the GPMC for RsOP

Group Policy Intensive Training and Workshop Outline (continued)



Part V: Special Group Policy Processing

Talk and Demo:

- Understanding WMI filters
- Can WMI filters be used in Windows 2000 and/or Windows 2003 domains?
- Supported clients
- "Quasi-supported" clients
- How to create WMI filters using available tools
- Backup and recovery of WMI filters
- Loopback processing and modes

Labs:

- Lab 5.1: Creating WMI filters
- Lab 5.2: Backup and recovery of WMI filters
- Lab 5.3: Loopback processing skills
- Lab 5.4: Creating a kiosk machine
- Lab 5.5: Ensuring specific people are affected by policy on kiosk machines

Part VI: Group Policy Troubleshooting

Talk and Demo:

- Common troubleshooting scenarios
- What happens with multiple Domain Controllers?
- What to expect from Event Logs
- How to enhance Event Log reporting
- How to turn up the juice on GPO output
- How to troubleshoot at the desktop
- A troubleshooting roadmap: Why won't Group Policy apply!?

Labs:

- Lab 6.1: Repairing a broken GPO
- Lab 6.2: Why isn't Group Policy applying?
- Lab 6.3: Finding broken GPOs
- Lab 6.4: How XP "fools" a user logon

Group Policy Intensive Training and Workshop Outline

(continued)

Part VII: Group Policy Software Installation

Talk and Demo:

- Windows Installer overview
- How to create your own MSI packages
- Understanding Group Policy software installation
- How to deploy packages
- What are administrative installs?
- How to upgrade existing packages
- How to deploy Office 2003
- How to patch an Office installation
- How to customize Office 2003 for my environment (transform files)

Labs:

- Lab 7.1: Deploying MSI packages
- Lab 7.2: Revoking MSI packages
- Lab 7.3: Deploying Office 2003
- Lab 7.4: Customizing Office 2003
- Lab 7.5: Redeploying Office 2003 after customization
- Lab 7.6: Leveraging Group Policy for enhanced customization

Part VIII: Group Security Implementation with Group Policy

Talk and Demo:

- Delegating responsibility for GPO creation and management
- Under the hood of Group Policy security
- The special default GPOs (Default Domain Policy GPO and Default Domain Controller Policy GPO)
- How to recover from damaged default GPOs
- How to manage multiple security settings via templates
- How to keep users from loading and running rogue software
- How to manage multiple servers using the Security Configuration Wizard (SCW)

Labs:

- Lab 8.1: Delegating responsibility for GPO creation and management
- Lab 8.2: Enhancing the "out of the box" security for GPOs
- Lab 8.3: Working with templates
- Lab 8.4: Controlling users' access to applications and installations
- Lab 8.5: How to "shore up" Group Policy's own security
- Lab 8.6: How to leverage the SCW to manage multiple servers

Group Policy Intensive Training and Workshop Outline

(continued)



Part IX: Creating the perfect desktop with Group Policy

Talk and Demo:

- IntelliMirror Overview
- How do you allow users to hop seamlessly from desktop to desktop?
- How do you ensure users always have access to the data they need?
- How do you restrict how much disk space a user can utilize?
- How do you ensure a user can recover his own data in a pinch?
- How do you quickly rebuild a desktop from scratch?

Time-Permitting Labs:

- Lab 9.1: Building the perfect desktop
- Labs 9.2-9.4: Quick ways to get an effectively-managed desktop

Part X : Group Policy: Test lab to production

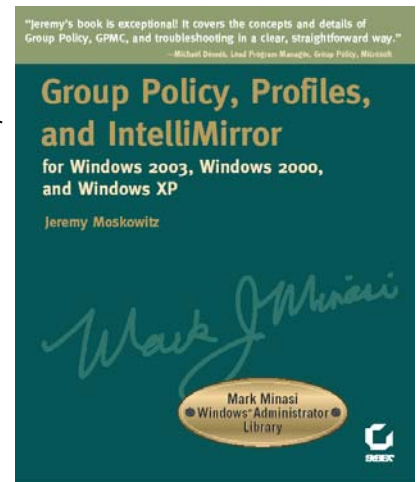
Talk and Demo:

- What is the best way for you to leverage a test, staging, and production environment for your GPOs?
- How can you smoothly transition from your test lab to your production?
- How can you copy, move, and migrate GPOs between domains?

Note: We are constantly improving and updating. Your actual course outline may be slightly different than what is shown here.

Final thoughts from Moskowitz, inc.

- When it comes to Group Policy, no one teaches it better than Jeremy Moskowitz.
- Students will learn hundreds of real-world uses for this powerful technology
- When the class ends, the students can be confident in the skills they've learned.
- The course is a 1-2-3 punch:
 1. Knowledge transfer
 2. Conceptual demonstration
 3. Hands-on lab time
- This training approach helps students understand the material on multiple levels and reinforces the concepts *before* they put their knowledge into practice in production
- Each student gets a free copy of the highly-acclaimed Group Policy guidebook shown here (private classes only)
- Both public and private classes are available to suit your schedule and needs
- Book your class online at www.GPanswers.com, send an email, or call us!



Moskowitz, inc.

making **I.T.** easy

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