

**Cisco Basics
and
HP OpenView
Network Node Manager
and
CiscoWorks 2000 Resource Manager
Essentials**

1: Course Introduction

Your Instructor

- Your instructor will introduce themselves, and tell you about their background and qualifications.



Introduce Yourself, Please...

- Name and Organization
- Job title and responsibilities
- Prior internetworking and network management experience
- Size of networks managed
- Other Cisco or network management courses you've taken
- Your personal objectives for this course

**Optional Activity:
Your Instructor
May Vary the
Details of This**

Administrivia

- Sign-in sheet (daily)
- Attire
- (No) Smoking
- Student materials
- Emergency procedures
- Class and break times
- Break and lunch facilities
- Any other admin issues
- Restrooms
- Telephones
- Email / Internet access
- Messages



Questions

- Questions in class
 - Please DO ask, that's what the instructor is here for!
 - We'll leave all egos at the door:
there is no such thing as a dumb question!

Course Objectives

- **PRACTICAL** introduction to OSI 7 Layers
- Cisco router and switch Command Line Interface (CLI): basic skills, basic routing and switching
 - “**Cisco Router and Switch Survival Skills**”
- Overall understanding of what HP OpenView and CiscoWorks 2000 do for the network manager
 - Ability to use these products for daily network management tasks
 - Ability to use these products for troubleshooting network problems

Course Objectives — Specifics 1

- Be able to work with Cisco devices, configure them, and perform basic management tasks
- Be able to explain, configure, and troubleshoot basic routing and switching on Cisco devices
- Learn how to use HP OpenView Network Node Manager, with special focus on:
 - Using HPOV maps
 - Using HPOV data collection and graphing
 - HPOV Alarms and managing them

Course Objectives — Specifics 2

- Learn how to use CiscoWorks 2000 Resource Manager Essentials, with special focus on:
 - Inventory Manager
 - Configuration Archive
 - Syslog Reporting
- Be aware that CW2000 can be used to automate upgrades to router and switch images

Topics to be Covered in This Course

- OSI Model and Basic Networking
- Cisco IOS CLI and Show Commands
- Switching and VLANs
- IP Addressing and Subnets
- Routing (RIP, OSPF)
- Cisco Management and SNMP Basics
- HP OpenView
- CiscoWorks
- Troubleshooting Lab and Follow-up Discussion