

Windows 2000 Network Infrastructure Administration



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5 Sessions –

15 Hours of Interactive Training

LearnKey's Windows 2000 Network Infrastructure Administration course shows you how to install, configure, manage, and support a network infrastructure with Windows 2000. Expert Michael Storm teaches the core techniques of TCP/IP addressing with DHCP, IP Routing with RIP and OSPF, name resolution with DNS and WINS, advanced security with IPsec and certificate services, and Internet connectivity and dial-in services. At the conclusion of this course you will be prepared to pass exam #70-216.

Also Available:

- Study Guide
- Test Prep

About The Author

For the past 16 years, **Michael Storm** has managed the design, security and implementation of enterprise networks for Fortune 100 companies around the globe. As the founder of Brainstorm International, Inc., Storm specializes in InfoSec Security and Internetwork Solutions Architectures. He is currently the Director of Network Engineering and Security Officer for Interface Technical Training of Phoenix, AZ and creator of the 'Hard Hat' learning process, used by countless Cisco and Microsoft Professionals for achieving technical mastery. Storm holds many IT certifications, including the Cisco CCIE Security, CCNP/CCSP/CCDP, NSA/CNSS CISSP, MCSE and MCT.

Session 1

Section A: Windows 2000 Networking

- Networking Features
- OSI Model
- Layered Components
- TCP/IP Protocol Architecture
- Native ATM
- Network Services

Section B: TCP/IP & IPX/SPX Installation

- Install Protocols
- TCP/IP Properties
- DNS & WINS
- IPX/SPX Properties

Section C: Network Bindings & Packet Filters

- Network Bindings
- TCP/IP Packet Filtering
- Enable Filtering

Section D: DHCP Installation

- Features
- How DHCP Works
- Install DHCP

Section E: DHCP Scoping

- Scopes
- Create Scopes
- Superscopes
- Create Superscope
- Multicast Scope
- Create Multicast Scope

Section F: DHCP Options

- Server Wide & Scope Wide
- Authorize
- Verify DHCP
- Monitoring DHCP
- Conflict Detection
- Reservations
- Performance Monitor

Session 2

Section A: IP Routing

- Routing Example
- Protocols
- RIP & OSPF
- OSPF Areas
- ROUTE Command

Section B: RIP Routing

- Enable Routing
- Connection 1 & 2
- Routing Table
- Verify Routing

Section C: OSPF & Static Routing

- Add OSPF
- OSPF Properties
- Connection 1 & 2
- OSPF Stats
- Add Static Routes
- Routing Table

Section D: Demand-Dial Routing

- Other Routing Service
- Features
- Example
- Add Interface
- Properties
- Demand-Dial Filters
- Add IP Filter

Section E: Monitoring Traffic

- Performance Monitor

Section F: LAN Internet

- Connection Shearing
- Features
- Configure NAT
- ICS Addresses
- DHCP
- DNS

Section G: Modem Internet

- Connection Sharing
- Dial-Up Connection
- Internet Connection Wizard
- Dial-Up Properties
- Enable ICS

Session 3

Section A: IP Security

- Features
- Options
- IPsec Snap-In
- Policy Details
- Transport Mode
- Filter Settings
- Key Exchange

Section B: IPsec Assignment

- Secures Server
- Group Policy
- Assign Policy
- IPsec Verify
- Restart IPsec Service

Section C: DNS Overview

- Name Space
- Resolution Types
- Zones
- Features
- Install DNS
- Root Servers
- New Zone
- New Records

Section D: DNS Servers

- Secondary Zone Server
- Enable Zone
- Delegate A Zone
- Caching Only Server

Section E: DNS/Zone Settings

- DNS Properties
- Advanced
- Logging/Monitoring
- Dynamic Updates
- Start Authority
- Zone Transfers
- Security

Section F: DNS Monitoring

- DNS Client
- Configure Client
- Select Counters
- Logging
- Log Settings
- DNSCMD/NS Lookup
- Create Reverse Lookup

Session 4

Section A: WINS

- Enhanced Features
- Installing WINS
- WINS MMC
- Back Up

- Intervals
- Database Verification
- Advanced Settings

Section B: WINS Client

- Troubleshooting
- Name Check
- Set WINS Server
- Verify
- WINS Table
- Node Type

Section C: WINS Replication

- Usage
- Configure
- Type
- Partners Properties
- Advanced Properties
- Verify

Section D: WINS Monitoring

- Static Mapping
- Tombstoning
- Verify Options
- Back Up Database
- Performance Monitor

Section E: Network Services Integration

- DNS in DHCP
- WINS in DHCP
- Scope vs. Server Options
- WINS in DNS

Section F: Certificate Authority Setup

- Certificate Contents
- Certificate Authority
- Cryptography
- Certificate Options

Session 5

Section A: Certificate Management

- Certificate Details
- Policy Module
- Other Policy
- Certificate to Issue
- Status Object
- Assign Certificate
- Public Key Policies
- Auto Certificate Request
- Verify Client Authentication

Section B: Remote Access Services

- RAS Example
- Configure RAS
- Authentication & Encryption
- Other Properties

Section C: RAS Policies

- Features
- Set Dial-In Permissions
- Create Policy
- Configure Profile
- Policy Ordering

Section D: RAS & VPN

- Access Ports
- VPN Ports
- VPN Addresses
- VPN Client
- Setup
- Connect
- VPN Status
- Performance Monitor