



NSP PROGRAMME INFORMATION

A Comprehensive Introduction to Networking

You Will Learn How To:

- Apply fundamental network concepts, terminology and solutions
- Implement networks using data links and physical media
- Deploy Local Area Networks (LANs) using Ethernet and Wi-Fi
- Build reliable internetworks and intranets using effective TCP/IP design
- Enhance network security using industry-standard solutions and practices
- Evaluate and select leading-edge enterprise network technologies

Windows Server 2008 Comprehensive Introduction and Administration

You Will Learn How To:

- Install, manage and support Windows Server 2008 in your enterprise
- Upgrade and administer Domain Controllers to build a reliable Active Directory
- Configure server and workstation settings with PowerShell and Group Policies
- Secure file system resources and restore servers from full backups
- Create and maintain Organizational Units (OUs), users and groups
- Streamline administration with virtualization, Remote Desktop and Server Core
- Maintain, troubleshoot and secure Windows Server 2008
- Implement key security components to protect your server
- Develop and deploy a patch management strategy
- Leverage built-in components to create a highly available infrastructure
- Optimize and tune system performance for greater responsiveness
- Recover from system failures with troubleshooting tools and techniques

Windows 7 Comprehensive Introduction, Deployment and Managing

You Will Learn How To:

- Install, manage and support Windows 7
- Configure and customize the OS for optimal performance
- Establish and maintain user accounts and groups
- Secure local and network-accessible resources
- Ensure application compatibility and functionality
- Troubleshoot Windows 7 operating systems
- Effectively implement and administer Windows 7 in an enterprise environment
- Create and deploy custom Windows 7 installation and Windows PE boot images
- Streamline deployments with Windows Deployment Services (WDS)
- Develop a plan for managing initial and ongoing client activation
- Centralize administration through the GUI, shell commands, WinRS and PowerShell
- Locate and remediate issues with Microsoft monitoring, analysis and recovery tools





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Linux Comprehensive Introduction, Administration and Support

You Will Learn How To:

- Manage, control and automate Linux GNU open source tools
- Create, edit and search Linux files and directories
- Limit access within the file system by controlling permissions and ownership
- Combine GNU filter commands in pipelines to process and format text data
- Exploit Bash shell features to enhance the command line interface
- Perform multiple tasks in shell scripts
- Install, configure and support Linux servers for reliability, functionality and performance
- Control and troubleshoot the boot process
- Create and extend volume management and mount external media
- Deploy software components from source and packaged distributions
- Deliver file, print and network services for both UNIX and Windows clients
- Build, install and tune a customized Linux kernel for improved functionality

Cisco Networking, Switches & Routers Comprehensive Introduction

You Will Learn How To:

- Successfully install and configure Cisco routers and switches to build internetworks
- Create Cisco device configurations from scratch
- Configure IP routing protocols
- Troubleshoot complex IP routing problems
- Perform software and hardware upgrades
- Effectively manage and maintain Cisco routers with SNMP
- Build and design scalable networks
- Compare the operational benefits of Ethernet and WLAN
- Deploy switches using Spanning Tree and VLANs
- Employ a variety of LAN interconnection techniques
- Determine the optimum routing protocol for various internetworking environments
- Integrate network management and security

