

-Dokumentation



Zentrum für Informatik ZFI AG

Updating Support Skills from NT 4.0 to Microsoft Windows Server 2003 (W3UN) - IT Ausbildung nach Mass

<http://www.zfi.ch/W3UN>

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Titel	Updating Support Skills from NT 4.0 to Microsoft Windows Server 2003
Untertitel	Ein Workshop für Umsteiger
Einleitung	Dieser Kurs vermittelt Ihnen als NT4 Systems Engineer alles Notwendige um auch Windows Server 2003 Umgebungen zu implementieren und verwalten.
Ihr Nutzen	Nach diesem Kurs sind Sie in der Lage (Originalbeschreibung): Explain the features of the Windows Server 2003 family. Implement a Domain Name System (DNS) server. Manage and monitor Domain Name System. Install the Windows Server 2003 Active Directory® directory service. Create and manage Active Directory objects. Implement Group Policy to centrally manage a Windows Server 2003 family network. Configure and manage a user environment by using Group Policy. Configure and support network access. Secure network traffic and data files. Use advanced boot options, the Recovery Console, and the Backup utility. Restore data by using the Backup utility in Windows Server 2003. Plan and implement secure Routing and Remote Access.
Voraussetzungen	Dieser Kurs setzt einen Kenntnis- und Erfahrungsstand in NT 4.0 wie bei einem MCSE voraus.
Teilnehmerkreis	Der Kurs richtet sich an bestehende NT 4.0 System-Ingenieure, die auf eine effiziente, übungsbetonte Weise den Umstieg auf die Windows Server 2003 Umgebung bewältigen wollen.
Unterlagen	Original Microsoft (in Englisch, auf Deutsch falls verfügbar)
Folgekurse	W3PN, W3AD, W3SN
Inhalt	Module 1: Introduction to the Windows Server 2003 Family This module contains information that a systems administrator with Microsoft Windows NT 4.0 experience will benefit from knowing when starting to work on Windows Server 2003. Module Objectives After completing this module, students will be able to: Locate specific topics in the Help and Support System. Activate Windows Server 2003. List hardware requirements for Windows Server 2003. Install and configure Administrative Tools. Module 2: Implementing the Domain Name System This module contains an overview animation of the role of DNS in the network infrastructure and covers the essential concepts a systems administrator needs to know about a DNS server. Module Objectives After completing this module, students will be able to: Describe the role of DNS in the network infrastructure. Install the DNS Server service. Configure the properties for the DNS Server service. Configure a DNS zone. Configure DNS zone transfers. Configure dynamic updates. Configure a DNS client. Delegate authority for zones. Describe how DNS dynamic updates work. Explain what resource records and record types are. Explain what dynamic updates are. Describe how DNS clients register and update their own resource records by using dynamic update. Describe how a Dynamic Host Configuration Protocol (DHCP) server registers and updates resource records by using dynamic update. Configure DNS manual and dynamic updates. Explain what an Active Directory-integrated DNS zone is. Configure Active Directory-integrated DNS zones to use secure dynamic updates. Module 3: Managing and Monitoring the Domain Name System This module builds on, and continues, content covering DNS. Module Objectives After completing this module, students will be able to: Manage DNS on a system running Windows Server 2003 and

monitor DNS server performance on that system. Describe and configure the Time-to-Live value. Describe how aging and scavenging work. Configure aging and scavenging. Explain the purpose of verifying that a resource record exists. Explain what Nslookup is. Explain what DNSCmd is. Explain what DNSLint is. Verify that a resource record exists by using Nslookup, DNSCmd, and DNSLint. Describe how simple and recursive queries work. Test the DNS server configuration. Apply guidelines for monitoring DNS server performance by using the Performance console. Explain DNS event logging. Monitor DNS server performance by using logging.

Module 4: Installing Windows Server 2003 Active Directory This module gives students the opportunity to install Active Directory, and learn about the new functional levels of Active Directory in Windows Server 2003.

Module Objectives After completing this module, students will be able to: Explain the basic concepts of Active Directory. Install Active Directory. Change the domain functional level.

Module 5: Creating and Managing Active Directory Objects This module contains the information that a systems administrator must know to manage Active Directory objects.

Module Objectives After completing this module, students will be able to: Create organizational units, user accounts, and computer accounts. Create and modify groups. Apply the appropriate strategies when using groups. Use permissions to control access to Active Directory objects. Delegate control of Active Directory objects to support secure and decentralized administration. Move Active Directory objects.

Module 6: Implementing Group Policy to Centrally Manage a Windows Server 2003 Family Network This module covers planning and implementing multiple forests in Active Directory by adding a new organization to an existing company. Students will implement cross-forest trust, manage user authentication, identify possible security concerns, and come to understand how to resolve naming conflicts between two forests.

Module Objectives After completing this module, students will be able to: Implement Group Policy objects on a domain. Modify Group Policy inheritance.

Module 7: Configuring and Managing User Environment by Using Group Policy This module contains content that a Windows Server 2003 systems administrator must have to manage user environments by using Group Policy.

Module Objectives After completing this module, students will be able to: Configure Group Policy settings. Use administrative templates in Group Policy to control a user environment. Use security templates to secure computers. Assign scripts to control user environments by using Group Policy. Determine applied Group Policy objects (GPOs).

Self Study: Configuring and Supporting Network Access This module covers how to support network access for remote users. This module focuses primarily on the Windows Server 2003 network access technologies and their related tasks.

Module Objectives After completing this module, students will be able to: Describe a network access infrastructure. Configure a wireless connection. Control remote user access to a network. Centralize authentication and policy management for network access by using Internet Authentication Service (IAS).

Self Study: Securing Network Traffic and Data Files This module covers how to secure network traffic, which includes Internet Protocol security (IPSec); and how to secure data files, which include Encrypting File System (EFS).

Module Objectives After

completing this module, students will be able to: Implement IPsec. Implement IPsec with certificates. Monitor IPsec. Explain how to use EFS. Add authorized users. Decrypt a file or folder. Recover an encrypted file or folder. Self Study: Implementing Basic Disaster Protection and Recovery Techniques in the Windows Server 2003 Family This module covers some of the ways to implement disaster protection and recovery techniques in Windows Server 2003. This module focuses on using the Recovery Console and the Backup utility. Module Objectives After completing this module, students will be able to: Use Safe Mode. Use advanced boot options. Use the Recovery Console. Describe the Recovery Console. Restore files and folders by using the Backup utility. Restore Active Directory. Describe Automated System Recovery (ASR). Recover from a system failure by using ASR. Restore system data.

Beitrag

Der Teilnehmerbeitrag versteht sich rein netto. Das ZFI ist (gemäss MwSt-Gesetz) nicht Mehrwertsteuerpflichtig und erhebt somit keine MwSt. Bei länger als einen Monat dauernden Lehrgängen ist die Zahlung des Teilnehmerbeitrages in mehreren Raten möglich (pro rata temporis).