

## -Dokumentation



**Zentrum für Informatik ZFI AG**

# **Implementing Microsoft Windows 2000 Network Infrastructure (W2IN) - IT Ausbildung nach Mass**

<http://www.zfi.ch/W2IN>

Weitere Infos finden Sie unter [www.zfi.ch](http://www.zfi.ch) oder via Adresse:

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<b>Titel</b>	<b>Implementing Microsoft Windows 2000 Network Infrastructure</b>
<b>Untertitel</b>	
<b>Einleitung</b>	Sind sie verantwortlich für die Installation, Konfiguration, Verwaltung und Unterstützung einer Windows 2000 basierten Netzwerk-Infrastruktur ? Dann sind Sie der prädestinierte Teilnehmer für den vorliegenden Kurs.
<b>Ihr Nutzen</b>	Nach diesem Kurs sind Sie in der Lage (Originalbeschreibung):Configure the DHCP Server service.Configure the DNS Server service.Configure WINS.Configure network security protocols.Configure network security by using Public Key Infrastructure (PKI).Configure network security by using Internet Protocol Security (IPSec).Configure remote access to a network.Support remote access to a network.Extend remote access capabilities by using Internet Authentication Service (IAS).Configure Windows 2000 as a network router.Configure Internet access for a network.Configure a Web server.Deploy Windows 2000 Professional by using Remote Installation Services (RIS).Manage a Windows 2000 network.Identify and resolve network connectivity problems by using Windows 2000 troubleshooting tools and utilities.Enable network connectivity between NetWare, Macintosh, and UNIX networks.
<b>Voraussetzungen</b>	Dieser Kurs setzt Kenntnisse voraus, wie sie in "Supporting Windows 2000 Professional and Server" (ZFI-Kurs: W2IM) vermittelt werden.
<b>Teilnehmerkreis</b>	Netzwerkadministratoren, System-Ingenieure, Programmierer
<b>Unterlagen</b>	Original Microsoft (in Englisch, auf Deutsch falls verfügbar)
<b>Folgekurse</b>	W2ID
<b>Inhalt</b>	<p>Module 1: Introduction to Microsoft Windows 2000 Networking Infrastructure</p> <p>Overview of the Windows 2000 Network Infrastructure</p> <p>Introduction to Intranets</p> <p>Identifying Remote Access Methods</p> <p>Communicating with Remote Offices</p> <p>Providing Internet Access</p> <p>Introduction to Extranets</p> <p>Module 2: Automating Internet Protocol (IP) Address Assignment</p> <p>Overview of DHCP</p> <p>Installing the DHCP Service</p> <p>Authorizing the DHCP Service</p> <p>Creating and Configuring a Scope</p> <p>Customizing DHCP Functionality</p> <p>Configuring DHCP in a Routed Network</p> <p>Supporting DHCP</p> <p>Module 3: Implementing Name Resolution Using DNS</p> <p>Overview of the DNS Query Process</p> <p>Installing the DNS Server Service</p> <p>Configuring Name Resolution for Client Computers</p> <p>Creating Zones</p> <p>Configuring Zones</p> <p>Configuring DNS for Internal Use</p> <p>Integrating DNS and DHCP</p> <p>Maintaining and Troubleshooting DNS Servers</p> <p>Module 4: Implementing Name Resolution by Using WINS</p> <p>Connecting to NetBIOS-Based Networks</p> <p>WINS Overview</p> <p>Configuring WINS Servers and Clients</p> <p>Configuring Support for Non-WINS Clients</p> <p>Enabling WINS Database Replication</p> <p>Maintaining the WINS Server Database</p> <p>Module 5: Configuring Network Security by Using Public Key Infrastructure</p> <p>Introduction to Public Key Infrastructure (PKI)</p> <p>Deploying Certificate Services</p> <p>Using Certificates</p> <p>Managing Certificates</p> <p>Configuring Active Directory for Certificates</p> <p>Troubleshooting Certificate Services</p> <p>Module 6: Configuring Network Security by Using IPSec</p> <p>Introduction to IPSec</p> <p>Implementing IPSec</p> <p>Configuring TCP/IP for Server Security</p> <p>Troubleshooting Network Protocol Security</p> <p>Module 7: Configuring Remote Access</p> <p>Examining Remote Access in Windows 2000</p> <p>Configuring Inbound Connections</p> <p>Configuring Outbound Connections</p> <p>Configuring Multilink Connections</p> <p>Configuring</p>

Authentication Protocols  
Configuring Encryption Protocols  
Configuring Routing and Remote Access for DHCP Integration  
Module 8: Supporting Remote Access to a Network  
Examining Remote Access Policies  
Examining Remote Access Policy Evaluation  
Creating a Remote Access Policy  
Troubleshooting Remote Access  
Module 9: Extending Remote Access Capabilities by Using IAS  
Introduction to IAS  
Installing and Configuring IAS  
Module 10: Configuring a Windows 2000-Based Server As a Router  
Overview of Routers and Routing Tables  
Configuring Network Connections  
Enabling Routing by Using Routing and Remote Access  
Configuring Static Routes  
Configuring a Routing Interface  
Implementing Demand-Dial Routing  
Configuring the Routing Information Protocol  
Module 11: Configuring Internet Access for a Network  
Options for Connecting a Network to the Internet  
Configuring Internet Access by Using a Router  
Configuring Internet Access by Using NAT  
Module 12: Configuring a Web Server  
Overview of Microsoft Internet Information Services (IIS)  
Preparing for an IIS Installation  
Installing IIS  
Configuring a Web Site  
Administering IIS  
Troubleshooting IIS  
Module 13: Deploying Windows 2000 Professional by Using RIS  
RIS Overview  
Installing and Configuring RIS  
Configuring Remote Installation Options  
Deploying Images by Using RIS  
Creating an RIPrep Image  
Comparing CD-Based Images and RIPrep Images  
Identifying Solutions to RIS Problems  
Module 14: Managing a Windows 2000 Network  
Windows 2000 Administrative Strategies  
Performing Administrative Tasks Remotely by Using Terminal Services  
Simple Network Management Protocol (SNMP) Operation  
Implementing the Windows 2000 SNMP Service  
Module 15: Troubleshooting Windows 2000 Network Services  
Troubleshooting Network Problems  
Identifying the Symptoms and Causes of Network Problems  
Resolving TCP/IP Problems  
Resolving Name Resolution Problems  
Troubleshooting Network Services  
Monitoring the Network  
Module 16: Configuring Network Connectivity Between Operating Systems  
Configuring Access to NetWare Resources  
Providing Macintosh Users Access to Windows 2000 Resources  
Connecting to Systems Network Architecture (SNA) Hosts by Using Host Integration Server 2000  
Connecting to UNIX Resources

**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).