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16 Corporate Woods Blvd.
Albany, NY 12211

Computer Visions Course Outline

Get What You Want

We offer highly customizable group training courses: desktop applications, web development, networking & operating systems, technical certification, professional development & skills, help desk.

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All Computer Visions courses are available for presentation on-site or off-site for your convenience. We can roll out any combination of courses at one or more locations anywhere in the United States, according to your requirements and time table. Just let us know and we'll work with you!

Corporate Training Solutions

Corporations look to us to train their employees. Why? Because our proven training methods have increased employee proficiency and productivity. We assign one person to each of our corporate clients to ensure quality service, and we also offer extranet Web registration, management, reporting and billing for all clients. Simplicity, quality and outstanding service are our hallmarks.

Consulting Solutions

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6419B: Configuring, Managing and Maintaining Windows Server 2008-based Servers

Description:

This five-day instructor-led course provides students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server 2008 and R2 environment. This course covers the core skills required by anyone working with Windows Server 2008 Servers.

Course Outline:

Module 1: Overview of the Windows Server 2008 Management

In this module, students learn the Windows Server 2008 environment including the roles, features, and the tools used to perform effective server management. Lessons

- Lesson 1: Understanding the Windows Server 2008 Environment
- Lesson 2: Overview of Windows Server 2008 Server Roles and Features
- Lesson 3: Windows Server 2008 Administration Tools
- Lesson 4: Managing Windows Server 2008 Server Core

Module 2: Managing Windows Server 2008 Infrastructure Roles

In this module, students learn about IPv6 addressing and how to install and configure the DNS and DHCP server infrastructure roles. Lessons

- Lesson 1: Understanding IPv6 Addressing
- Lesson 2: Overview of the Domain Name System Server Role
- Lesson 3: Configuring DNS Zones
- Lesson 4: Overview of the DHCP Server Role
- Lesson 5: Configuring DHCP Scopes and Options

Module 3: Configuring Access to File Services

In this module, students learn how to configure secure and efficient access to file services. Lessons

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Classroom and Computer Rentals

Need space and equipment to conduct specialized presentations or classes? We can help. With our world class classrooms and state of the art projection and presentation equipment, we take care of the details so you can have a successful presentation.

- Lesson 1: Overview of Access Control
- Lesson 2: Managing NTFS File and Folder Permissions
- Lesson 3: Managing Permissions for Shared Resources
- Lesson 4: Determining Effective Permissions

Module 4: Configuring and Managing Distributed File System

In this module, students will learn how to configure and manage a Distributed File System infrastructure. Lessons

- Lesson 1: Distributed File System Overview
- Lesson 2: Configuring DFS Namespaces
- Lesson 3: Configuring DFS Replication

Module 5: Managing File Resources by Using File Server Resource Manager

In this module, students will learn how to use File Server Resource Manager to assist in data storage capacity management. Lessons

- Lesson 1: Overview of File Server Resource Manager
- Lesson 2: Configuring Quota Management
- Lesson 3: Implementing File Screening
- Lesson 4: Managing Storage Reports
- Lesson 5: Implementing Classification Management and File Management Tasks

Module 6: Configuring and Securing Remote Access

In this module, students will learn how to secure remote access using features such as a Virtual Private Networks, Network Access Protection (NAP), and DirectAccess. Lessons

- Lesson 1: Configuring a Virtual Private Network Connection
- Lesson 2: Overview of Network Policies
- Lesson 3: Integrating Network Access Protection with VPNs
- Lesson 4: Configuring VPN Enforcement by Using NAP
- Lesson 5: Overview of DirectAccess
- Lesson 6: Deploying DirectAccess

Module 7: Managing Active Directory Domain Services

In this module, students will learn about the Active Directory infrastructure and how to manage AD DS objects. Lessons

- Lesson 1: Overview of the Active Directory Infrastructure
- Lesson 2: Working with Active Directory Administration Tools
- Lesson 3: Managing User Accounts
- Lesson 4: Managing Computer Accounts
- Lesson 5: Managing Groups
- Lesson 6: Using Queries to Locate Objects in AD DS

Module 8: Configuring Active Directory Object Administration and Domain Trust

In this module, students will learn how to configure and manage AD DS object permissions; and configure trust between AD DS domains. Lessons

- Lesson 1: Configuring Active Directory Object Administration
- Lesson 2: Configuring Active Directory Trusts

Module 9: Creating and Managing Group Policy Objects

In this module, students will learn how to create and manage Group Policy Objects (GPOs).Lessons

- Lesson 1: Overview of Group Policy
- Lesson 2: Configuring the Scope of Group Policy Objects
- Lesson 3: Managing Group Policy Objects
- Lesson 4: Evaluating and Troubleshooting Group Policy Processing

Module 10: Using Group Policy to Configure User and Computer Settings

In this module, students will understand the specific settings that can be managed using Group Policy.Lessons

- Lesson 1: Using Group Policy to Configure Folder Redirection and Scripts
- Lesson 2: Using Administrative Templates to Manage Users and Computers
- Lesson 3: Deploying Software by Using Group Policy
- Lesson 4: Deploying Group Policy Preferences

Module 11: Implementing Security Settings Using Group Policy

In this module, students will learn how to secure network clients using Group Policy.Lessons

- Lesson 1: Overview of Security Settings
- Lesson 2: Implementing Fine-Grained Password Policies
- Lesson 3: Restricting Group Membership and Access to Software

Module 12: Providing Efficient Network Access for Remote Offices

In this module, students will learn solutions that can be implemented to provide efficient remote office network access.Lessons

- Lesson 1: Overview of Remote Office Requirements
- Lesson 2: Implementing Read-Only Domain Controllers
- Lesson 3: Implementing BranchCache

Module 13: Monitoring and Maintaining Windows Server 2008

In this module, students will learn how to plan for and implement performance baselines and perform server monitoring using monitoring tools.Lessons

- Lesson 1: Planning Maintenance Tasks
- Lesson 2: Calculating a Server Baseline
- Lesson 3: Interpreting Performance Counters
- Lesson 4: Selecting Appropriate Monitoring Tools

Module 14: Managing Windows Server 2008 Backup, Restore, and Recovery

In this module, students will learn how to plan for and identify backup and restore strategies and to identify steps needed to recover from server startup issues.

Lessons

- Lesson 1: Planning and Implementing File Backups on Windows Server 2008
- Lesson 2: Planning and Implementing File Recovery
- Lesson 3: Recovering Active Directory
- Lesson 4: Troubleshooting Windows Server Startup