



ISA Server 2006

مفلاصه :

The goal of this course is to provide Information Technology (IT) professionals with the knowledge and skills to deploy and manage Microsoft Internet Security and Acceleration (ISA) Server 2006 in a Network environment

طول دوره: ۳۰ ساعت

پیش نیاز: Windows Server 2003 Network Infrastructure

اهداف دوره:

در اتمام این دوره شرکت کنندگان قادر خواهند بود:

Explain the use of ISA Server as a cache server, a Proxy Server and as an enterprise firewall.

Install and configure ISA Server 2006 Standard Edition.

Configure and use the appropriate ISA Server Clients.

Configure access policies to enable security-enhanced Internet access for client computers.

Configure ISA Server as a cache server.

Configure ISA Server as a virtual private network (VPN) Server.

Configure ISA Server as a firewall.

Understand and Configure ISA Server DMZ's

Configure access to selected internal resources.

Monitor ISA Server activities by using alerts, logging, reporting, and real-time monitoring.

سرفصل دوره:

- ◆ **Introduction to Network Security**
- ◆ **Introduction to ISA Server 2006**
 - Overview of ISA Server 2006 Functionality
 - As a Firewall
 - As a Cache Server
 - To Secure Internet Access
 - To Enable Internal Resource Publishing
 - ISA Server Deployment Scenarios
 - Internet Edge Firewall
 - Back End Firewall
 - Branch Office Firewall
 - Integrated Firewall, Proxy, and Caching Server
- ◆ **Installing ISA Server 2006, Standard Edition**
- ◆ **Securing and Maintaining ISA Server 2006**
 - Defense In Depth
 - Securing ISA Server 2006
 - Server Hardening
 - Securing Configuration

- Maintaining ISA Server 2006
 - Export and Import ISA Server Configuration
 - Backup and Restore ISA Server Configuration
 - Implementing Remote Administration
- ◆ **Installing and Managing ISA Server Clients**
 - ISA Server Clients Overview
 - ISA Server Clients Options
 - Configuring ISA Server Clients
 - SecureNAT Clients
 - Web Proxy Clients
 - Firewall Clients
- ◆ **Enable Secure Internet Access with ISA Server 2006**
 - What is Secure Access to Internet Resources
 - Configuring ISA as a Proxy Server
 - What is a Proxy Server?
 - What is a Reverse Proxy?
 - How to Configure Web and Firewall Chaining
 - Configuring Access Rule Elements
 - What are Access Rule Elements
 - How to Configure Access Rule Elements
 - Configuring ISA Server Authentication
 - ISA Server Authentication Options
 - How to Configure Authentication
 - Configuring Access Rules for Internet Access
 - What are Access Rules?
 - How to Configure Access Rules
 - ISA Server Caching
 - Caching Overview
 - What is Caching?
 - How Caching Works?
 - Caching Scenarios
 - What are Content Download Jobs?
 - Configuring Caching
 - How to Enable Caching and Configure Cache Settings
 - What are Cache Rules?
 - How to Create and Manage Cache Rules
 - Configuring Content Download Jobs
- ◆ **Configuring ISA Server as a Firewall**
 - Introduction to ISA Server as a Firewall
 - What is Packet Filtering?
 - What is Stateful Filtering?
 - What is Application Layer Filtering?
 - What is Intrusion Detection?
 - Configuring Multiple Networking on ISA Server
 - ISA Server Supports Multiple Networks
 - Default Networks Enabled on ISA Server
 - How to Create and Modify Network Objects and Rules
 - Implementing Perimeter Networks and Network Templates
 - What are Perimeter Networks?
 - What are Network Templates?
 - Configuring Intrusion Detection and IP Preferences
 - Implementing Application Layer Filtering and Web Filtering
 - What are Application Filters?
 - What are Web Filters?
 - How the HTTP Web Filter Works
- ◆ **Implementing ISA Server Publishing**
 - Introduction to Publishing
 - What are Web Publishing Rules?
 - What are Server Publishing Rules?
 - Considerations for Configuring DNS for Web and Server Publishing
 - Configuring Web Publishing Rules
 - Components of a Web Publishing Rule
 - How to Configure Web Listeners, Path Mapping and Link Translation

- ◆ **Configuring VPN's for Remote Networks and Clients**
 - Planning a VPN Infrastructure
 - What is a VPN?
 - VPN Protocol and Authentication Options
 - How VPN is Implemented Using ISA Server 2006
 - Configuring VPN for Remote Clients
 - Configuring VPN for Remote Sites
- ◆ **Implementing Monitoring and Reporting**
 - Configuring and Managing Alerts
 - Monitoring Sessions
 - Configuring Logging and Reporting