

# Microsoft Security Solution Internet Security and Acceleration Server 2006 (ISA)

Course:ET412

## Course Description

In this Course you will learn how Microsoft Internet Security and Acceleration Server 2006 handle incoming and outgoing connection. This class give the basic and advance information for ISA 2006 and also provide the comprehensive hands-on labs to install, configure and maintain ISA 2006

## Course Level

Expert

## Who should attend?

IT professionals responsible for Install and Configure ISA Server 2006

## Pre-requisites

Good understanding on Windows Server system and Firewall Concept

## Course Objectives

- Installing ISA 2006
- Manage ISA Networks
- Administering ISA 2006
- Create and Configure Firewall Policy
- Install and Configure Firewall Client
- Configure VPN Client and Site-to-Site
- Enable Caching
- Monitoring ISA 2006
- Manage Add-In for ISA 2006
- ISA 2006 Advance Feature

## Course Outline

### Day 1:

1. Overview ISA 2006
  - ISA 2006 Enhancements
  - ISA Components
2. Installation
  - Installation Process
  - Enterprise Deployment
  - ISA Server Management

#### Hands-On Labs

- Installing ISA 2006*
3. Networking
    - Configure Networks
    - Configure Network Load Balancing
    - Network Sets
    - Network Rules
    - Web Caching Rules

#### Hands-On Labs

- Configure Networks*
- Configure Network Load Balancing*

4. Administration
  - Manage the Enterprise
  - Manage Array
  - Manage Server
  - Backup and Restore
  - Assign Administrative Role

#### Hands-On Labs

- Manager ISA Server*
- Backup and Restore*

### Day 2:

5. Firewall Policy
  - Enterprise Policy
  - Access Rules
  - Web Publishing Rules
  - Windows SharePoint Service
  - Exchange Web Client Access
  - Server Publishing Rules
  - Firewall Policy Rules
  - Per-Rule Filtering
  - System Policy
  - Authentication

#### Hands-On Labs

- Create Access Rule*
- Publish OWA and SharePoint*
- Form Authentication*

6. Configuring Clients
  - Install Firewall Client
  - Web Proxy Client
  - Automatic Discovery

#### Hands-On Labs

- Install and Configure Firewall Client*
- Configure Automatic Discovery*

### Day 3:

7. Virtual Private Networking

Remote VPN Client Access  
Site-to-Site VPN Connections

#### Hands-On Labs

- Configure VPN Client Access*
- Configure Site-to-Site VPN*

8. Caching
  - ISA Caching
  - Cache Rules
  - Content Download

#### Hands-On Labs

- Configure Caching*

9. Monitoring
  - Alert
  - Session Monitoring
  - Logging
  - Reports
  - Connectivity Verifier

#### Hands-On Labs

- Configure Alert and Logging*
- Configure Report*
- Configure Verifier*

### Day 4:

10. Add-Ins
  - ISA Filter
  - Web and Application Filter
  - Web Filter for RSA SecurID
  - SMTP Filter

#### Hands-On Labs

- Configure ISA Filter*

11. Advance Features
  - Firewall Chaining
  - Dial-up
  - Link Translation
  - HTTP Compression
  - Diffserv Qos
  - Certificate revocation
  - Radius and LDAP Server
  - IP Preferences
  - Intrusion Detection

#### Hands-On Labs

- Configure Link Translation*
- HTTP Compression*
- Configure Diffserv*
- Configure Radius and LDAP Authen*
- Configure Intrusion Detection*

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