

Implementing ISA 2004

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Meet the expert: Rafiq Wayani has extensive experience including more than 20 years in IT as Systems Architect, Software Engineer, DBA, and Project Manager. Wayani has instructed in a variety of technical areas, has designed and implemented network and information systems, and is certified across a wide range of platforms and systems including Microsoft Solutions Developer, Systems Engineer, Application Developer, Database Administrator, Trainer; Novell Netware Administrator and Engineer; Master Certified Netware Engineer; and A Certified.

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Course description: Implementing Microsoft Internet Security And Acceleration (ISA) Server 2004 course will give you the knowledge and skills necessary to prepare to pass Microsoft exam 70-350. This course serves as an elective course for individuals pursuing the MCSA or MCSE on Windows Server 2003 certification.

Course outline:

Planning / Installing

- Introduction
- Benefits of ISA Server
- New Features in ISA 2004
- Use for ISA Server
- Install ISA Server 2004
- ISA Server Mgmt. Console
- Summary

Configuring

- Introduction
- ISA Min. Hardware Req.
- ISA Default Configuration
- Types of Clients
- ISA Server Mgmt. Console
- ISA Services/Log Files
- ISA Default Configuration
- View LastDefaultRule
- Create a New Access Rule
- Setup a Web Proxy Client
- Setup a Firewall Client
- Setup a SecureNAT Client
- Adv. Firewall Client Config.
- Web Proxy Auto. Discovery
- Local Domain Table
- View Client Firewall .ini files
- View/Publish the WPAD
- Specify the LDT
- Summary

Managing

- Introduction
- Use ISA as a Proxy Server
- Reasons to Use Proxy Server

- DNS Configuration
- Create/Test Firewall Policies
- Summary

Multiple Network Support

- Introduction
- Overview
- Default ISA Networks
- ISA Definitions
- Access Rules
- Authentication Methods
- Troubleshooting Access
- View/Configure Access Rules
- View Firewall Policy Tasks
- System Policy Tasks/Editor
- SP: Network Services
- SP: Authentication Services
- SP: Remote Mgmt
- SP: Firewall Client
- SP: Diagnostic Services
- SP: Logging
- SP: Remote Monitoring
- SP: Other Policies
- Create a New Access Rule
- Proxy Server Properties
- Select Auth. Mechanisms
- Summary

Net Load Balancing / Backup

- Introduction
- Cache Array Routing Protocol
- Benefits of CARP
- Implementations: Client-side
- Implementations: Server-side

- Overview: Disaster Recovery
- Define ISA Admin Roles
- Backup ISA Server
- Restore ISA Server
- Summary

ISA Enterprise Edition

- Introduction
- Reasons to Deploy
- Active Directory App. Mode
- Enterprise Policies
- Enterprise Networks
- Arrays
- Array Policies
- Insert Server into an Array
- ISA Server Array Member
- Cache Array Routing Protocol
- Adjust CARP Load Factor
- Network Load Balancing (NLB)
- Enable NLB
- Summary

Monitoring / Reporting

- Introduction
- Overview
- Monitoring
- Drill Down Into Alerts
- Drill Down Into Sessions
- Drill Down Into Reports
- Generate a Summary Report
- View the Summary Report
- Generate a Detail Report
- View the Detail Report
- Configure Report Jobs

- Configure Log Summaries
- Summary

Configuring ISA Firewall

- Introduction
- TCP/IP Packets Overview
- Filtering Packets
- Filtering Network Traffic
- ISA Firewall Configuration
- Perimeter Network Config.
- Example: Edge Firewall
- Other Firewall Type Templates
- Intrusion Detection
- Types of IP Attacks
- DNS / POP Intrusions
- Configure Intrusion Detection
- Summary

IP Pref. and Publishing Rules

- Introduction
- IP Preferences
- Configure IP Preferences
- Web Publishing Rules
- Secure Web Publishing Rules
- Publish a Web Server
- Configure HTTP
- View/Set Web Pub. Rules
- Publish a Secure Web Server
- Server Publishing
- Create New Server Pub. Rule
- Why Publish a Mail Server
- Publish a Mail Server
- Summary

Secure Web Publishing

- Introduction

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Implementing ISA 2004

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- Overview
- Secure Socket Layer (SSL)
- Authentication
- Enabling SSL on ISA
- Install SSL Certificate on ISA
- SSL Bridging
- SSL Tunneling
- Create a Certificate Authority
- Retarget the CA
- Edit Allowed Sites in SP
- Publish Secure Web Server
- Create/Install a Cert. on CA
- Assign Certificate on Client
- Summary

Caching

- Introduction
- Caching Contents
- How to Implement Caching
- Caching Components Include
- Set Up Caching
- Add a New Caching Rule
- Content Download Jobs
- Utilize the Cached Data
- Delete Cache Data
- Summary

Virtual Private Network (VPN)

- Introduction
- VPN Overview
- Two Primary Scenarios
- Benefits
- Protocols: Supported OS"s
- Protocols: Certificate Support
- Protocols: Security
- Protocols: NAT Support
- Protocols: Additional Protocols
- Enable/Config. Client Access
- Config. Server VPN Properties
- Monitor VPN Clients
- Setup/Connect a VPN Client
- Configure Dial-in Permissions
- Deny Dial-in Access
- Configure Site-to-site VPN
- Create a New Network Rule
- Create a New Access Rule
- Summary