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ExamWise
For
Installing, Configuring, & Administering
Microsoft Internet Security and
Acceleration Server 2000 Enterprise Edition
Examination 70-227



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Chapter 1: Installing ISA Server

The objective of this chapter is to provide the reader with an understanding of the following:

1. Preconfigure network interfaces.
2. Verify Internet connectivity before installing ISA Server.
3. Verify DNS name resolution.
4. Install ISA Server. Installation modes include integrated, firewall, and cache.
5. Construct and modify the local address table (LAT).
6. Calculate the size of the cache and configure it.
7. Install an ISA Server computer as a member of an array.
8. Upgrade a Microsoft Proxy Server 2.0 computer to ISA Server.
9. Back up the Proxy Server 2.0 configuration.
10. Troubleshoot problems that occur during setup.



I Introduction

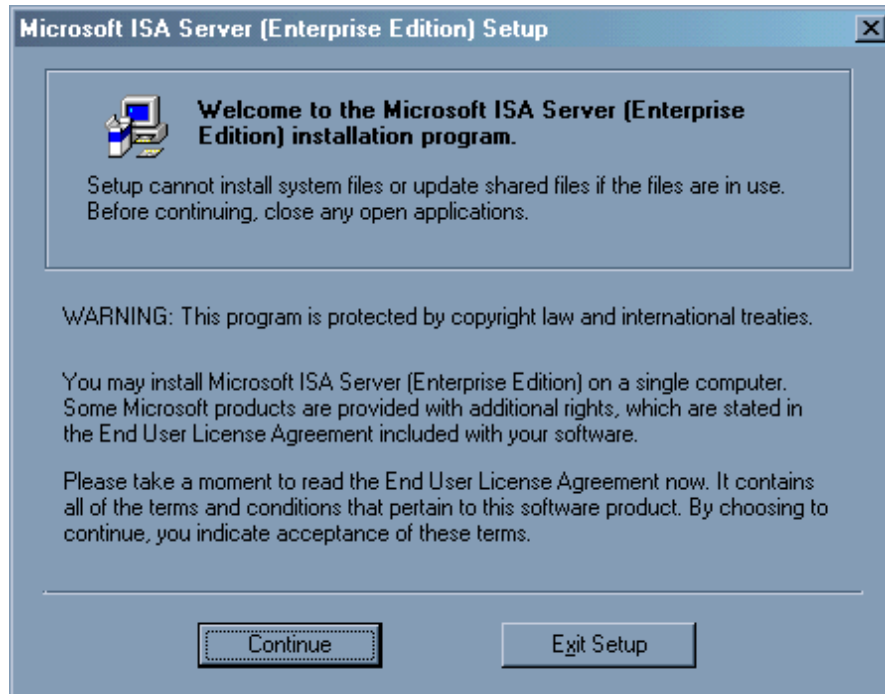
ISA Server is a combination of firewall and Proxy Server. With Proxy Server, we can perform NAT, caching and basic filtering. ISA Server has much stronger capabilities in network protection. It is also tightly integrated with Windows 2000 and Active Directory. If you are familiar with Proxy Server, you will find that ISA Server is very easy to configure. This is because they share the same underlying concepts and theories.

A firewall is a hardware/software combination that acts as a point of access for traffic going in and out of an internal network. You can deploy ISA server as a single bastion host or as part of a perimeter network. You can also use the various filters provided to protect your network.



1. View the Graphic to answer this question:

Michael is the enterprise security administrator for your company's network. He has the ISA Server CD with him. From where should he run the setup command for launching the ISA program shown in the graphic?



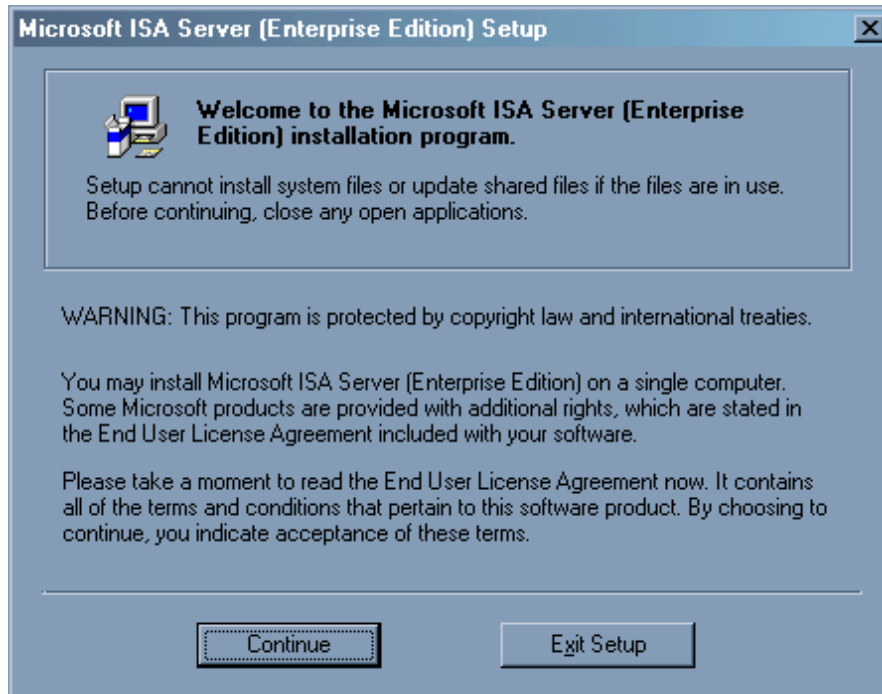
- A. \iserv\i386
- B. \isa\i386
- C. \msisa\i386
- D. \serv\i386
- E. \server\i386



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1. View the Graphic to answer this question:

Michael is the enterprise security administrator for your company's network. He has the ISA Server CD with him. From where should he run the setup command for launching the ISA program shown in the graphic?



- A. \iserv\i386
- *B. \isa\i386**
- C. \msisa\i386
- D. \serv\i386
- E. \server\i386

Explanation: To install ISA server: At a command prompt, type Path\isa\i386\msisaent.exe, where Path is the path to the Microsoft Internet Security and Acceleration Server installation files. The path may be the root folder of the ISA Server CD or a shared folder on your network that contains the ISA Server files.



2. You are going to set up an ISA server for your company. What is the command for beginning the ISA Server enterprise initialization process?

- A. ISAautorun.exe
 - B. Setup.exe
 - C. I386.exe
 - D. Winnt-isa
-

3. Tony is planning to install An ISA Server to protect his network. However, he is unable to do so. Which of the following are the requirements he must fulfill in order to proceed with the installation?

- A. You must be a member of the Enterprise Admins groups.
- B. You must be a member of the Schema Admins groups.
- C. You must be a member of the OU Admins groups.
- D. You must be a member of the Domain Admins groups.



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2. You are going to set up an ISA server for your company. What is the command for beginning the ISA Server enterprise initialization process?

***A. ISAautorun.exe**

- B. Setup.exe
- C. I386.exe
- D. Winnt -isa

Explanation: If you downloaded the ISA Server installation files from the Web, or if you copied the contents of the ISA Server CD, run the ISAautorun.exe file at a command prompt to begin the ISA Server enterprise initialization.

3. Tony is planning to install An ISA Server to protect his network. However, he is unable to do so. Which of the following are the requirements he must fulfill in order to proceed with the installation?

***A. You must be a member of the Enterprise Admins groups.**

***B. You must be a member of the Schema Admins groups.**

- C. You must be a member of the OU Admins groups.
- D. You must be a member of the Domain Admins groups.

Explanation: In order to install the ISA Server schema to Active Directory, you must be an administrator on the local computer. In addition, you must be a member of the Enterprise Admins and Schema Admins groups.



4. View the Graphic to answer this question:

You are the network administrator for your company's network. Which of the following are the valid ways to proceed in order for you to reach a screen identical to what is shown in the graphic.



- A. Directly from the CD
- B. Run from a network share.
- C. Copy the installation files to the hard drive and install locally.
- D. Run from a floppy.



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4. View the Graphic to answer this question:

You are the network administrator for your company's network. Which of the following are the valid ways to proceed in order for you to reach a screen identical to what is shown in the graphic.



- *A. Directly from the CD
- *B. Run from a network share.
- *C. Copy the installation files to the hard drive and install locally.
- D. Run from a floppy.

Explanation: All these are the valid ways to install ISA Server.



5. You are planning to install ISA Server so that your network will be protected. Unfortunately, the installation fails when you try to update the Active Directory schema. Which of the following are the requirements you must fulfill in order to ensure a successful integration of ISA server schema and Active Directory schema?
- A. You must be a member of the local administrator for the server that holds ISA
 - B. You must be a member of the local administrator for all the domain controllers.
 - C. You must be a member of the local administrator for at least one domain controller.
 - D. You must be a member of the domain administrator for at least one domain controller.
-

6. You are the enterprise security administrator for your company's network. Your assistant accidentally runs the enterprise initialization process. You must undo it immediately. Which of the following methods can you use?
- A. Reinstall the entire Active Directory.
 - B. Reinstall ISA server.
 - C. Modify the schema objects.
 - D. Remove the ISA schema objects.



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5. You are planning to install ISA Server so that your network will be protected. Unfortunately, the installation fails when you try to update the Active Directory schema. Which of the following are the requirements you must fulfill in order to ensure a successful integration of ISA server schema and Active Directory schema?

***A. You must be a member of the local administrator for the server that holds ISA**

B. You must be a member of the local administrator for all the domain controllers.

C. You must be a member of the local administrator for at least one domain controller.

D. You must be a member of the domain administrator for at least one domain controller.

Explanation: In order to install the ISA Server schema to Active Directory, you must be an administrator on the local computer. In addition, you must be a member of the Enterprise Admins and Schema Admins groups.

6. You are the enterprise security administrator for your company's network. Your assistant accidentally runs the enterprise initialization process. You must undo it immediately. Which of the following methods can you use?

***A. Reinstall the entire Active Directory.**

B. Reinstall ISA server.

C. Modify the schema objects.

D. Remove the ISA schema objects.

Explanation: The enterprise initialization process copies the ISA Server schema information to the Active Directory. Because the Active Directory does not support deletion of schema objects, the enterprise initialization process is irreversible.



7. Recently, your company's network has been hacked. As the enterprise security administrator, you plan to install An ISA Server to protect your network. You plan to run the enterprise initialization process. Which of the following is true?
- A. The ISA Server schema has to be installed once to the Active Directory for the entire enterprise.
 - B. The ISA Server schema has to be installed once to the Active Directory for every domain.
 - C. The ISA Server schema has to be installed once to the Active Directory for every OU.
 - D. The ISA Server schema has to be installed once to the Active Directory for every enforcement point.
-

8. Johnny is the new help desk for your company. He plans to install ISA Server to protect the network. However, he wants to install it in the easiest way. How should he invoke the Setup Wizard?
- A. By running the setup command.
 - B. By running the ISAssetup command.
 - C. By running the NTsetup command.
 - D. By running the i386 command.



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7. Recently, your company's network has been hacked. As the enterprise security administrator, you plan to install An ISA Server to protect your network. You plan to run the enterprise initialization process. Which of the following is true?

***A. The ISA Server schema has to be installed once to the Active Directory for the entire enterprise.**

B. The ISA Server schema has to be installed once to the Active Directory for every domain.

C. The ISA Server schema has to be installed once to the Active Directory for every OU.

D. The ISA Server schema has to be installed once to the Active Directory for every enforcement point.

Explanation: The ISA Server schema only has to be installed once to the Active Directory for the entire enterprise.

8. Johnny is the new help desk for your company. He plans to install ISA Server to protect the network. However, he wants to install it in the easiest way. How should he invoke the Setup Wizard?

***A. By running the setup command.**

B. By running the ISAsSetup command.

C. By running the NTSetup command.

D. By running the i386 command.

Explanation: To install the server software, at a command prompt, type Path\isa\setup where Path is the path to the Microsoft Internet Security and Acceleration (ISA) Server installation files. The path may be the root folder of the ISA Server CD or a shared folder on your network that contains the ISA Server files.



9. You want to install ISA Server in order to protect your network. You want the ISA Server to be installed as a standalone server. What should you do?
- A. By installing ISA server on a server that is not part of a Windows 2000 domain.
 - B. By installing ISA server on a server that is part of a Windows 2000 domain.
 - C. By selecting the Standalone option during install.
 - D. By removing Active Directory on the network.
-

10. You have a standalone ISA Server installed in your network. In order to enable the server to join an array, which of the following should you do?
- A. Add the server to a Windows 2000 domain and then join it to an array.
 - B. Add the server to a security server group and then join it to an array.
 - C. Reinstall ISA
 - D. Modify the registry.



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9. You want to install ISA Server in order to protect your network. You want the ISA Server to be installed as a standalone server. What should you do?

***A. By installing ISA server on a server that is not part of a Windows 2000 domain.**

B. By installing ISA server on a server that is part of a Windows 2000 domain.

C. By selecting the Standalone option during install.

D. By removing Active Directory on the network.

Explanation: If the computer on which you are installing ISA Server is not part of a Windows 2000 domain, then ISA Server will be installed as a standalone server. You can subsequently add the server to a Windows 2000 domain, and then join it to an array.

10. You have a standalone ISA Server installed in your network. In order to enable the server to join an array, which of the following should you do?

***A. Add the server to a Windows 2000 domain and then join it to an array.**

B. Add the server to a security server group and then join it to an array.

C. Reinstall ISA

D. Modify the registry.

Explanation: If the computer on which you are installing ISA Server is not part of a Windows 2000 domain, then ISA Server will be installed as a standalone server. You can subsequently add the server to a Windows 2000 domain, and then join it to an array.



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