

 **SETUP GUIDE**

This document contains information on how to setup eXchange WALL Version 5.0 and Exchange Server to work together.

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Overview

eXchange WALL processes email between the Internet and your Exchange Server. eXchange WALL receives email from the Internet using two methods:

- **SMTP:** This method is possible if you have a dedicated connection to the Internet and email from the Internet is sent directly to your organization.
- **POP3:** This method is possible if mail from the Internet is received by your ISP or another service provider and stored in mailboxes on their server. eXchange WALL logs into these POP3 accounts and downloads the messages. The IMAP protocol is also supported.

In both cases eXchange WALL then processes the messages (looking for viruses and executes any matching rules) and then forwards the messages to your Exchange Server.

Note: Even if you use the SMTP connection you can still configure eXchange WALL to download email from POP3 accounts residing anywhere on the Internet.

You can configure Exchange Server to send all your Internet-bound messages to eXchange WALL for processing and eXchange WALL will then forward them to the Internet.

Installation and Configuration

Download the eXchange WALL installation program (efwsetup.exe) from www.exchangewall.com and run the program. After answering a few questions, it will install eXchange WALL.

After installation, eXchange WALL will automatically run and launch its Configuration Wizard. This will ask you the basic information that eXchange WALL requires to configure itself. After the Wizard completes, it will launch this document explaining how to setup Exchange Server to work with eXchange WALL.

Help

We are committed to our customers and to those evaluating our products. Please do not hesitate to contact us if you are experiencing any problems. Our experienced Technical Support Team will be glad to assist you.

Exchange Server 2000, 2003

Instructions for setting up Exchange Server 2000, 2003 are divided into 2 sections:

Section A: eXchange WALL To Exchange Server.

Section B: Exchange Server To eXchange WALL.

Section A: eXchange WALL To Exchange Server

Section A deals with configuring Exchange Server and eXchange WALL so that eXchange WALL can send messages that it has received to Exchange Server.

STEP A.1: Start Exchange System Manager.

From your **Windows Start Menu**, select:

Start >Programs >Microsoft Exchange >System Manager

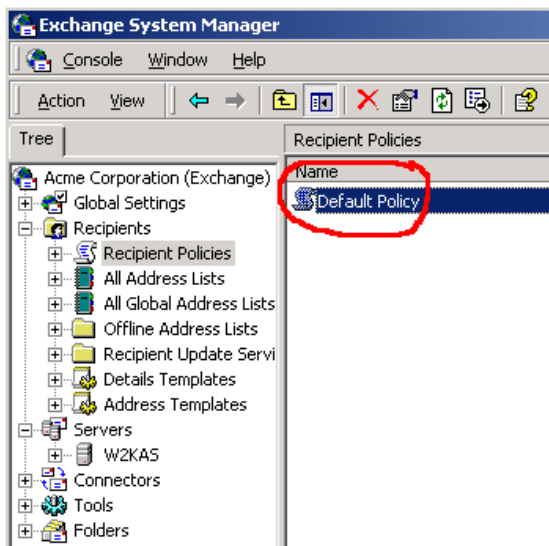
STEP A.2: Setting Default SMTP Recipient.

In Exchange Server you will have to give all the clients SMTP type addresses which match their Internet email addresses. For example say a user is known as john@acme.com on the Internet, then the Internet address is john@acme.com for the Exchange Client.

To make sure the Virtual SMTP Server accepts messages for your domain you must modify the default SMTP address. To do so follow these steps.

In the **Microsoft Exchange Systems Manager** select:

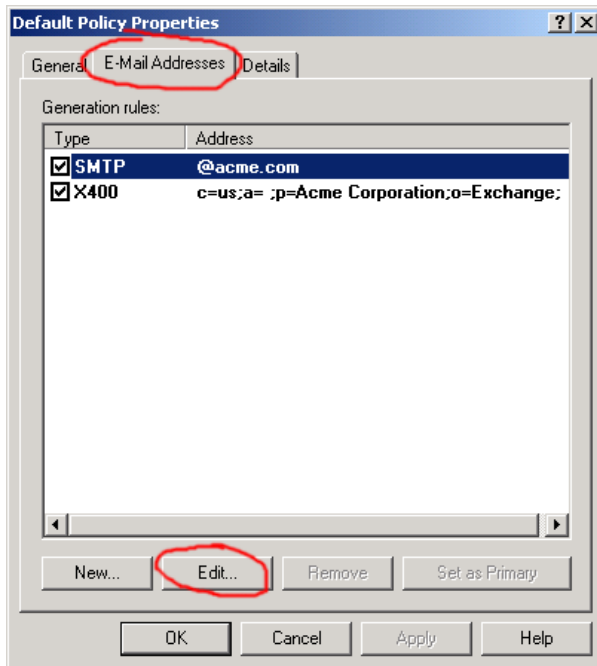
Recipients >Recipient Policies



In the details pane, using your mouse's **RIGHT BUTTON** right-click **Default Policy** and then click **Properties**.

STEP A.3: Email Addresses.

Click the **E-Mail Addresses** tab.

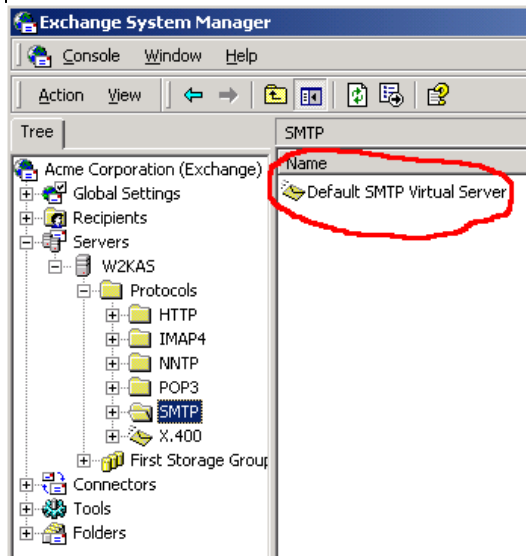


Under **Generation rules**, select **SMTP**, and then click **Edit**.

The SMTP Address Properties dialog will appear.

In **Address**, type the new default SMTP recipient address that is in the form: **@yourdomain**.

Click OK to exit the SMTP Address Properties dialog and then Click OK to exit the Default Policy Properties dialog.

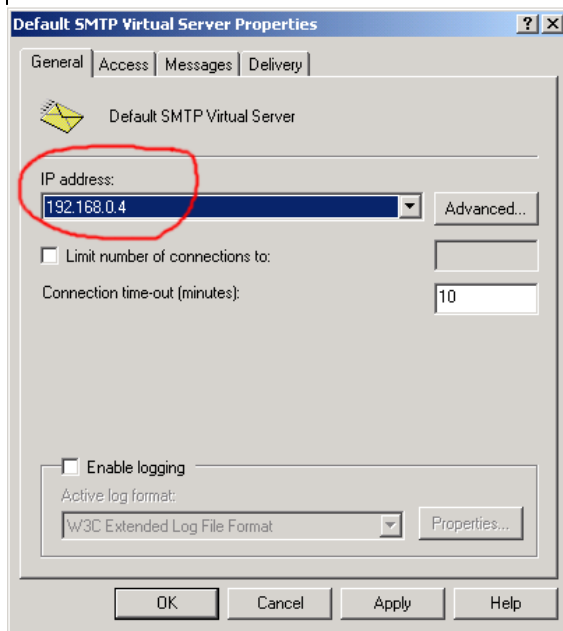
STEP A.4: Default SMTP Virtual Server.

From Microsoft Exchange Service Manager select:

Servers > your exchange server > Protocols > SMTP > Default SMTP Virtual Server

Using your mouse's **RIGHT BUTTON** right-click **Default SMTP Virtual Server**. Then select **Properties** from the popup menu.

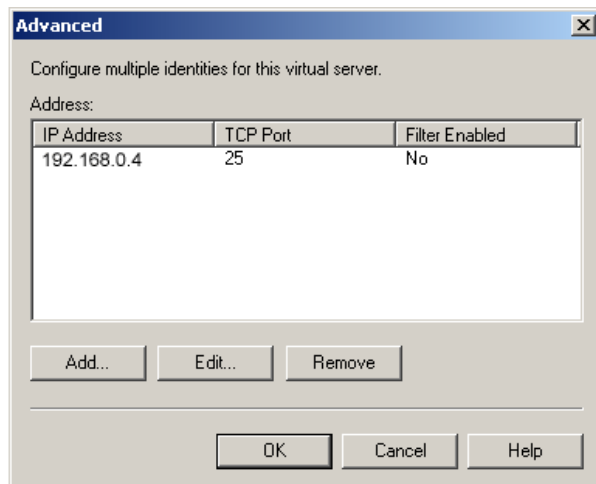
STEP A.5: General Tab.



Parameter A

Make note of the IP address shown in the **IP Address field (Parameter A)**. The value will either be an IP address (example: 192.168.0.4) or be 'All Unassigned'. You will need to know this value later when configuring eXchange WALL.

Click the **Advanced** button.



Parameter B

The **TCP Port** should be set as follows depending on the method your organization uses to receive Internet mail.

- **SMTP:** If eXchange WALL is running on a separate computer the TCP port should be 25. If eXchange WALL is running on the same computer as your Exchange server it should be 8025.
- **POP3:** The TCP Port should be 25.

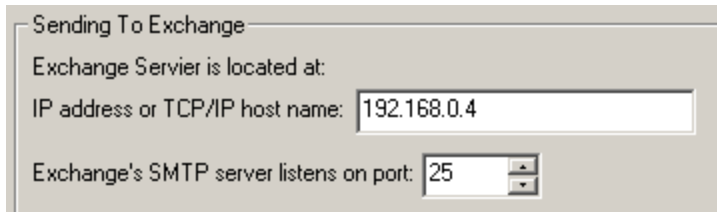
To make changes to the TCP port click the Edit button. Make note of the TCP Port value (**Parameter B**).

Click OK.

STEP A.6: Configure eXchange WALL.

Now run eXchange WALL and select:

eXchange WALL >Configuration >Incoming Mail



Sending To Exchange

Exchange Servier is located at:

IP address or TCP/IP host name: 192.168.0.4

Exchange's SMTP server listens on port: 25

IP Address or TCP/IP Host Name: Enter the IP address you noted in STEP A.5 (**Parameter A**). If the value was 'All Unassigned' then enter the host name or IP address of the computer running Exchange Server.

Exchange's SMTP server listens on port: Enter the port number you noted in STEP A.5 (**Parameter B**).

Click the Save button on the toolbar.

Section B: Exchange Server To eXchange WALL

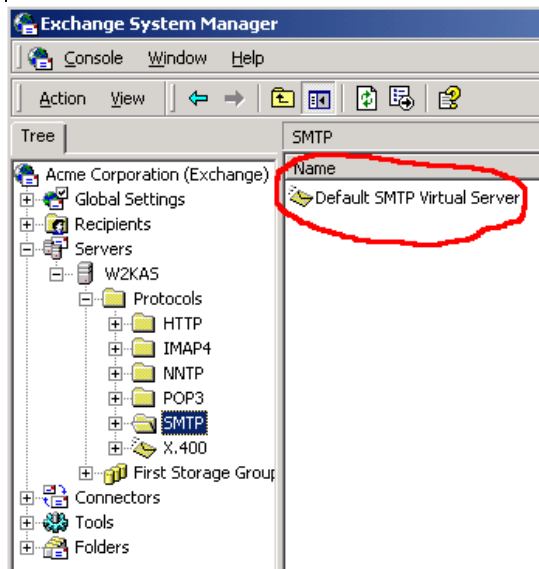
Section B deals with configuring Exchange Server and eXchange WALL so that Exchange Server can send its Internet-bound messages to the Internet through eXchange WALL.

STEP B.1: Start Exchange System Manager.

From your **Windows Start Menu**, select:

Start >Programs >Microsoft Exchange >System Manager

STEP B.2: Default SMTP Virtual Server.



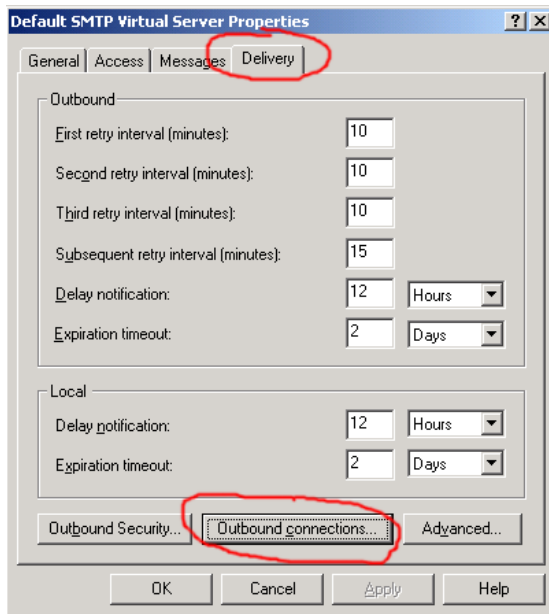
From Microsoft Exchange Service Manager select:

Servers >your exchange server >Protocols >SMTP >Default SMTP Virtual Server

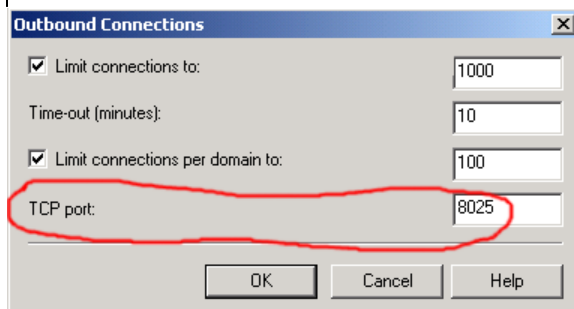
Using your mouse's **RIGHT BUTTON** right-click **Default SMTP Virtual Server**. Then select **Properties** from the popup menu.

STEP B.3: Delivery Tab.

Click the **Delivery** tab.



Click the **Outbound Connections** button.

STEP B.4: Outbound Connections.**Parameter C**

Set the port number that eXchange WALL will be listening on for email connections from Exchange Server based on one of the options below:

Exchange Server and eXchange WALL running on SAME computer:

If running on the same computer you need to set the port number based on the method used by your organization to receive Internet mail.

Internet mail is received using **SMTP**:

Set the **TCP Port** to 25 and configure Exchange's SMTP Server to listen on port 8025.

Internet mail is received using **POP3**:

Set the **TCP Port** to 8025 as not to conflict with port 25, which is typically used by Exchange Server.

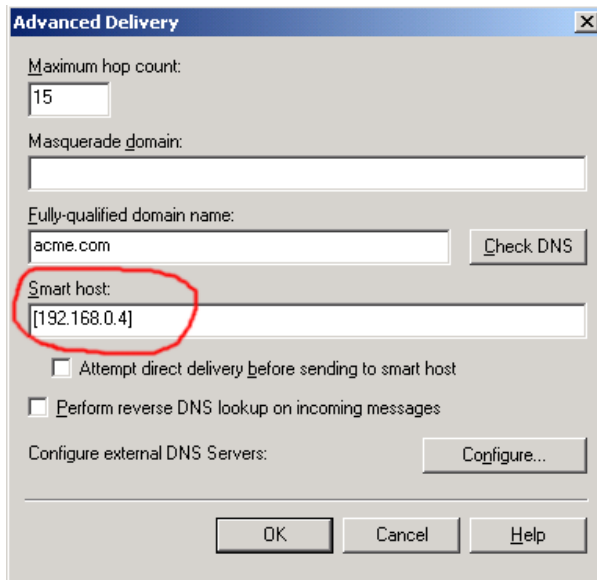
Exchange Server and eXchange WALL running on DIFFERENT computers:

Set the **TCP Port** to 25 (default).

Click OK.

STEP B.5: Advanced Delivery.

At this point you should be back to the **Delivery** property page. Click the **Advanced** button on this page.



The screenshot shows the 'Advanced Delivery' dialog box with the following fields and options:

- Maximum hop count: 15
- Masquerade domain: (empty)
- Fully-qualified domain name: acme.com
- Smart host: [192.168.0.4] (highlighted with a red circle)
- Attempt direct delivery before sending to smart host
- Perform reverse DNS lookup on incoming messages
- Configure external DNS Servers: (empty)
- Buttons: OK, Cancel, Help

The dialog determines where Exchange Server sends its Internet messages.

In the **Smart Host** field enter the host name or IP address of the computer where [eXchange WALL](#) is running.

NOTE: If you enter an IP address you must enclose it in square brackets []. For example if the IP address is 192.168.0.4 then enter [192.168.0.4].

Click OK.

Click OK to save your changes and exit the Default SMTP Virtual Server Properties dialog.

STEP B.6: Configure eXchange WALL.

Now run eXchange WALL and select:

eXchange WALL >Configuration >Incoming Mail

The screenshot shows the 'Incoming Mail' configuration window. It has a toolbar with 'Save' and 'Undo' buttons. The window is divided into several sections:

- Sending To Exchange:** Includes a text field for 'Exchange Server is located at:' with the value '192.168.0.8', and a spinner for 'Exchange's SMTP server listens on port:' set to '25'.
- Failed Delivery:** Includes a spinner for 'Retry failed messages every' set to '1' minutes, and a spinner for 'Delete failed messages after' set to '7' days.
- Local Domains:** Includes a text area for 'Accept messages addressed to following domains:' with 'acme.com' entered, and 'Add' and 'Remove' buttons.
- Connection Control:** Includes two text areas for 'Allow IP addresses:' and 'Disallow IP addresses:', each with 'Add' and 'Remove' buttons.
- Advanced:** Includes a spinner for 'Port:' set to '25' and a spinner for 'Timeout:' set to '300' seconds.

In the Advanced section, set the Port value to the value you sent in STEP B.4 for TCP Port (Parameter C).

Click the Save button on the toolbar.

Exchange Server 5.x (or earlier)

Microsoft Exchange Server 5.x (or earlier) uses a service called the **Microsoft Internet Mail Service (IMS)** to send and receive Internet messages. This service is an SMTP server. After eXchange WALL receives messages from the Internet in forwards them to the IMS which delivers the messages to Exchange Server.

Instructions for setting up Exchange Server 5.x (or earlier) are divided into 3 sections:

Section A: Configuring Exchange Server with IMS not installed.

Section B: Configuring Exchange Server with IMS already installed.

Section C: Configuring eXchange WALL.

You only need to do Section A or B but you must always do C.

Section A: Configuring Exchange Server with IMS not installed.

STEP A.1: Run Microsoft Exchange Administration program.

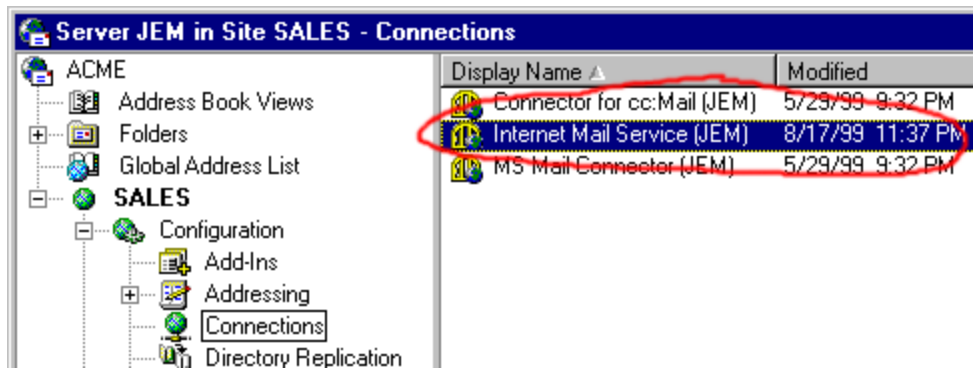
From the **Windows Start Menu** select:

Programs >Microsoft Exchange >Microsoft Exchange Administrator

STEP A.2: Verify Internet Mail Service is not already installed.

Open the Connections branch and check if Internet Mail Service is already installed by selecting:

your organization >your site >Configuration >Connections



If Internet Mail Service is already installed as show above, stop and go to Section B in this document.

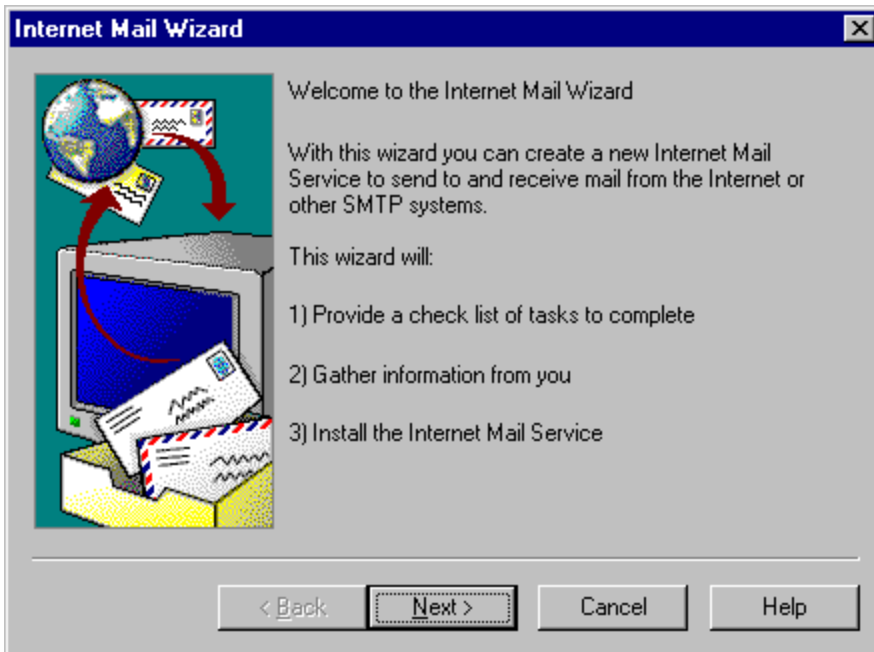
STEP A.3: Install Internet Mail Service.

From the Microsoft Exchange Administration program's menu bar, select:

File >New Other >Internet Mail Service

This will start the Internet Mail Wizard to guide you through the installation.

Enter the following as the Wizard prompts you:



Click Next.



Click Next.

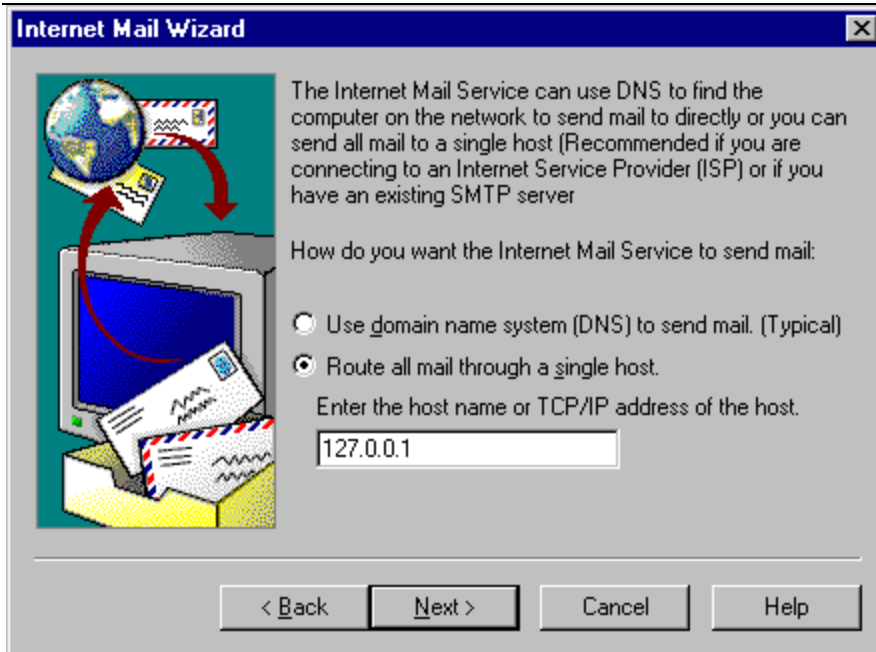


Make sure the checkbox **Allow Internet mail through a dial-up connection** is **NOT** enabled. [eXchange WALL](#) handles any dial-up requirements you may have or uses any available proxy server.

Click Next.

If the Wizard complains that you have not configured DNS, follow these steps:

- From the **Control Panel**, double-click the **Network** icon.
- Click the **Protocol** tab.
- Double-click **TCP/IP Protocol**.
- Click the **DNS** tab.
- In the **Domain** field enter your Internet domain.
- Keep clicking OK to finish.
- Now back to the Wizard and click Next.



This step configures the Microsoft Internet Mail Service to send its Internet-bound messages through [eXchange WALL](#). This is necessary if you are using a dial-up connection but if you are using a dedicated Internet connection then you do not have to direct all messages to [eXchange WALL](#) but it is still recommended.

Select **Route all mail through a single host** and enter the **host name** or **IP address** of the computer where [eXchange WALL](#) is installed.

Click Next.



Select **All internet mail address**.

Click Next.



Enter your organization's domain name. This is used by Exchange to format Internet addresses for all your Exchange users. You can later override the address of individual users or give them additional Internet addresses (aliases).

Click Next and continue with the Wizard until you have completed all the steps.

GO TO SECTION C.

Section B: Configuring Exchange Server with IMS already installed.**STEP B.1: Run Microsoft Exchange Administration program.**

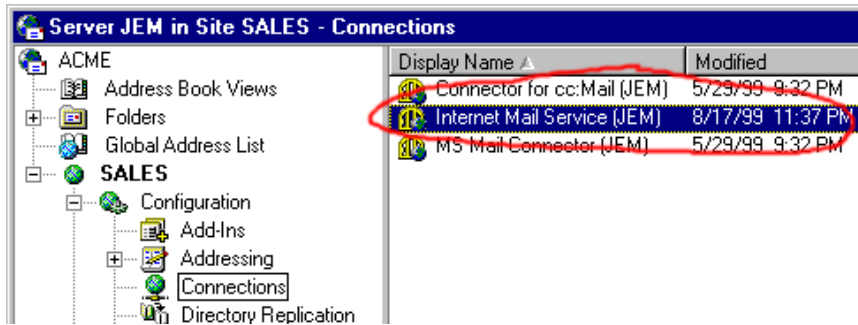
From the **Windows Start Menu** select:

Programs >Microsoft Exchange >Microsoft Exchange Administrator

STEP B.2: Open the Internet Mail Service properties.

Open the Connections branch and check if Internet Mail Service is installed by selecting:

your organization >your site >Configuration >Connections

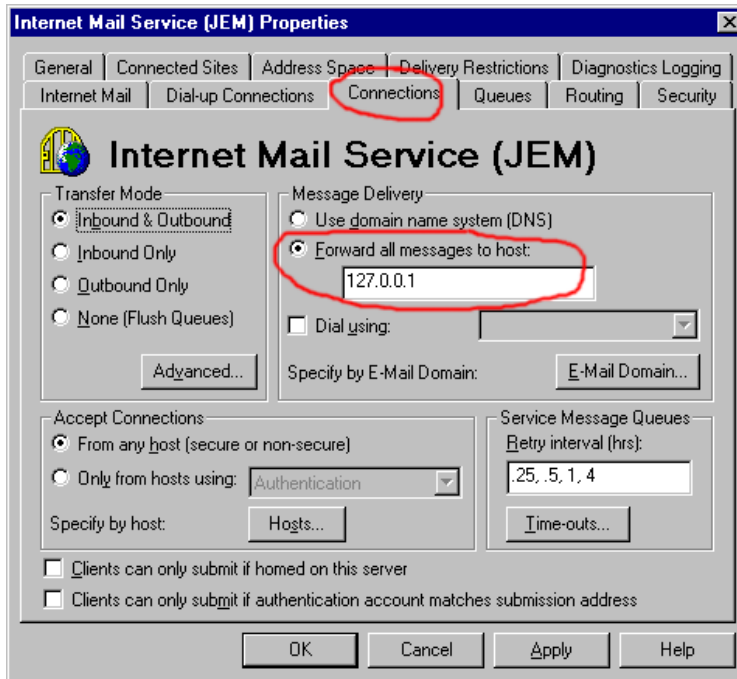


If Internet Mail Service is installed, you should see it listed. Double-click Internet Mail Service.

If Internet Mail Service is not listed, stop and read Section A in this document.

STEP B.3: Connections.

In the **Internet Mail Service Properties** click the **Connections** tab.

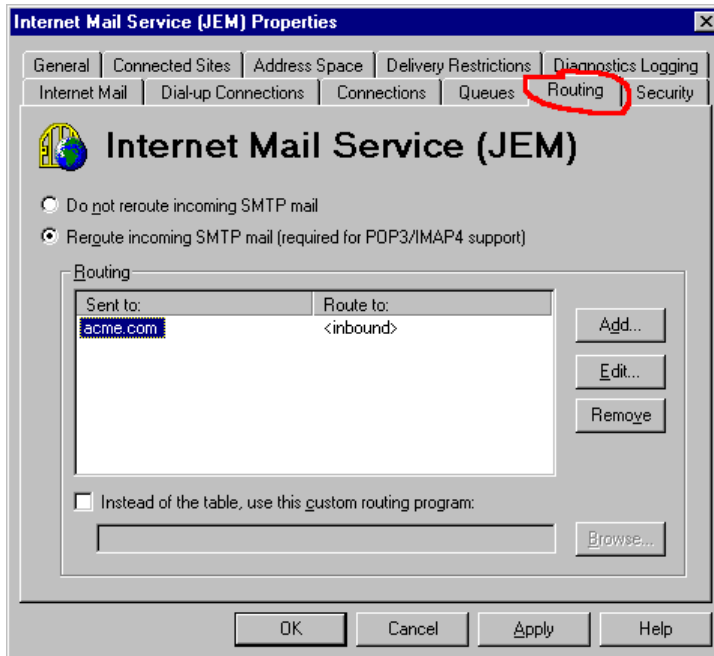


This step configures the Microsoft Internet Mail Service to send its Internet-bound messages through **eXchange WALL**. This is necessary if you are using a dial-up connection but if you are using a dedicated Internet connection then you do not have to direct all messages to **eXchange WALL** but it is still recommended.

Select **Forward all messages to host** and enter the **host name** or **IP address** of the computer where **eXchange WALL** is installed.

STEP B.4: Routing.

Click the **Routing** tab.

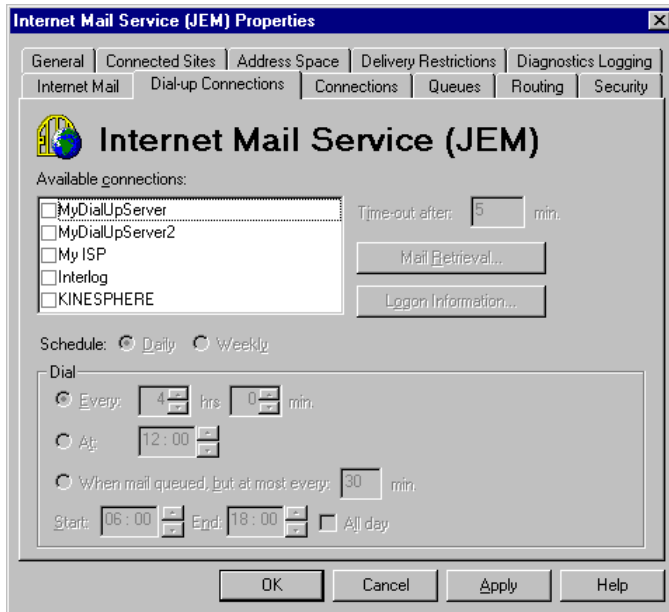


Select **Reroute incoming SMTP mail**.

Add your domain to the list. Click Add. This displays a dialog where you can add your domain and select Should be accepted as "inbound". Click OK.

STEP B.5: Dial-Up Connections.

Click the **Dial-Up Connection** tab.



Ensure that all Available connections are NOT checked. eXchange WALL handles the connection to the Internet; therefore, the Microsoft Exchange Internet Mail Service does not need to use dial-up connections.

Click OK.

STEP B.6: Restart Microsoft Exchange Internet Mail Service.

You have completed the necessary changes to the Internet Mail Service but it must be restarted for the changes to take effect. Open the Windows Services Manager and Stop/Start the Microsoft Exchange Internet Mail Service.

Go to Section C.

Section C: Configure eXchange WALL.

Run eXchange WALL and select:

eXchange WALL >Configuration >Incoming Mail

Find the option below that describes your situation and enter the values as directed:

Exchange Server and eXchange WALL running on SAME computer:

Sending to Exchange:

IP Address or TCP/IP Host Name: Enter the IP address or host name of the computer running Exchange Server.

Exchange's SMTP server listens on port: Enter 8025.

Advanced:

Port: Enter 25.

Exchange Server and eXchange WALL running on DIFFERENT computers:

Sending to Exchange:

IP Address or TCP/IP Host Name: Enter the IP address or host name of the computer running Exchange Server.

Exchange's SMTP server listens on port: Enter 25.

Advanced:

Port: Enter 25.

 Click the Save button on the toolbar.