

# Setting Up Exchange Server 2003 Mail

September 21, 2010

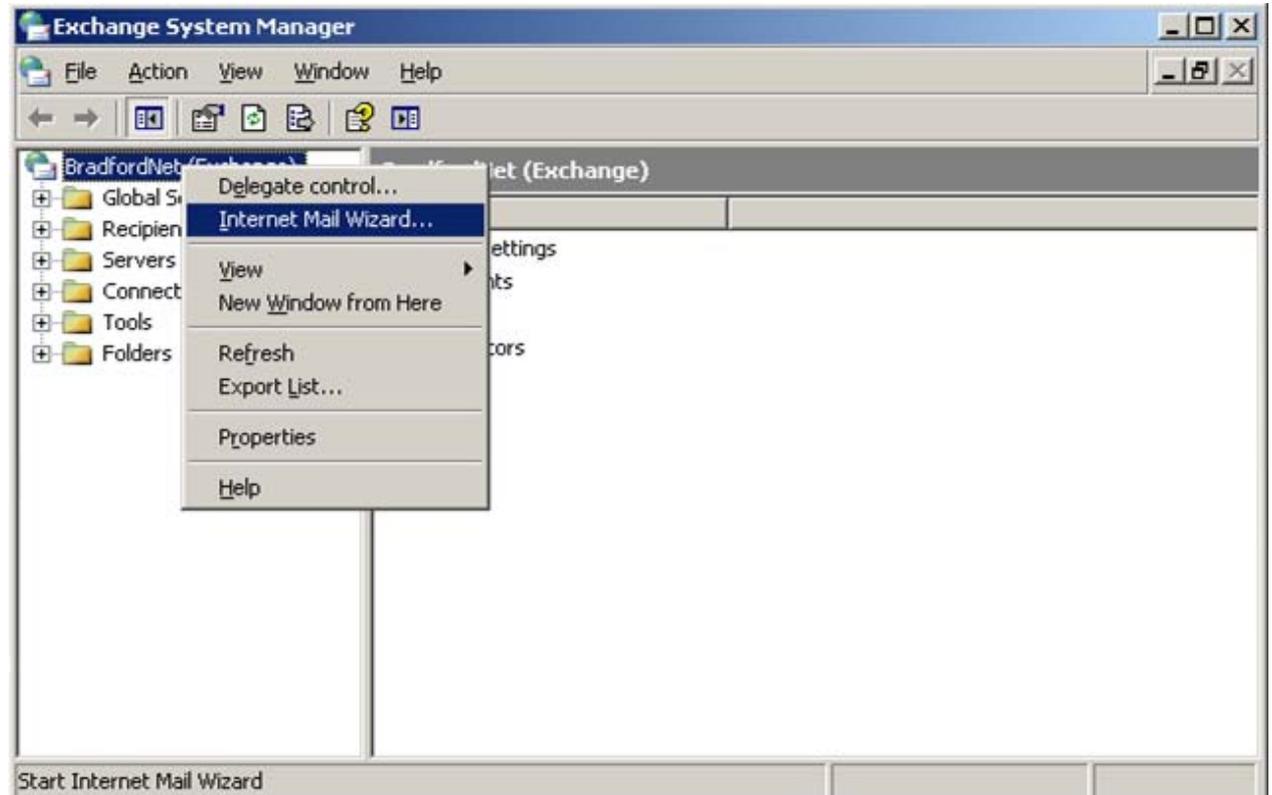
# Microsoft Exchange

At the Start menu, we select All Programs, then Microsoft Exchange and finally System Manager.



# Exchange System Manager

The Exchange System Manager will appear on the desktop. We right click on the server name and we choose Internet Mail Wizard from the popup menu.



# Internet Mail Wizard

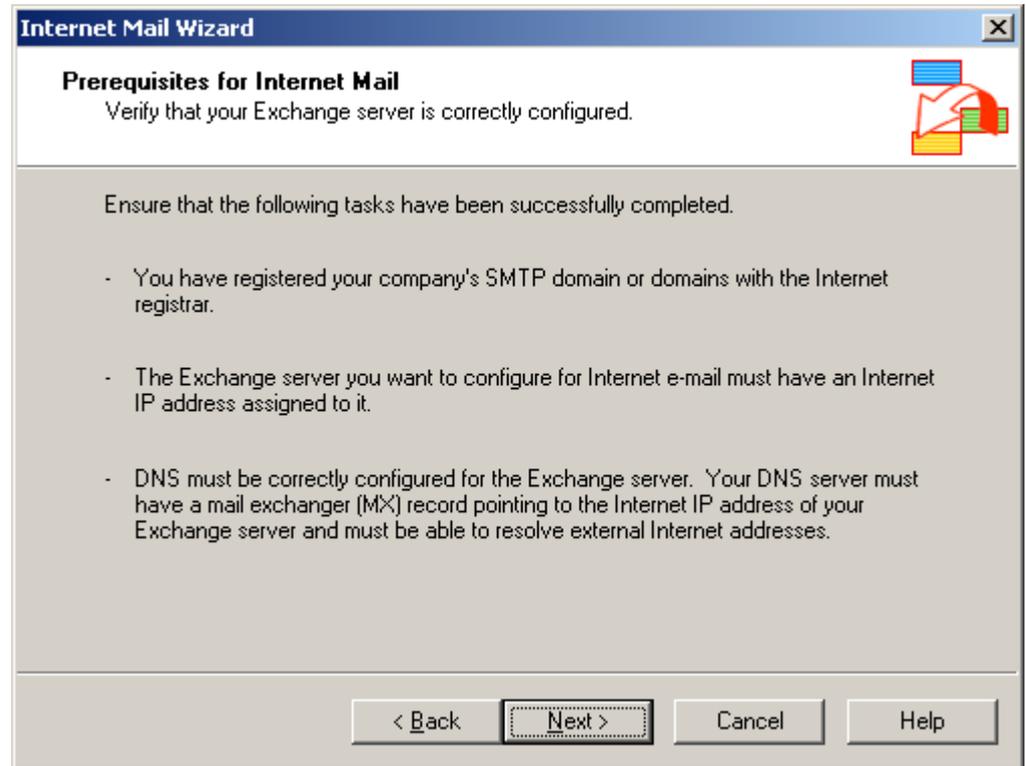
The Internet Mail Wizard window will appear on the desktop. We select the Next button to continue.



# Internet Mail Prerequisite

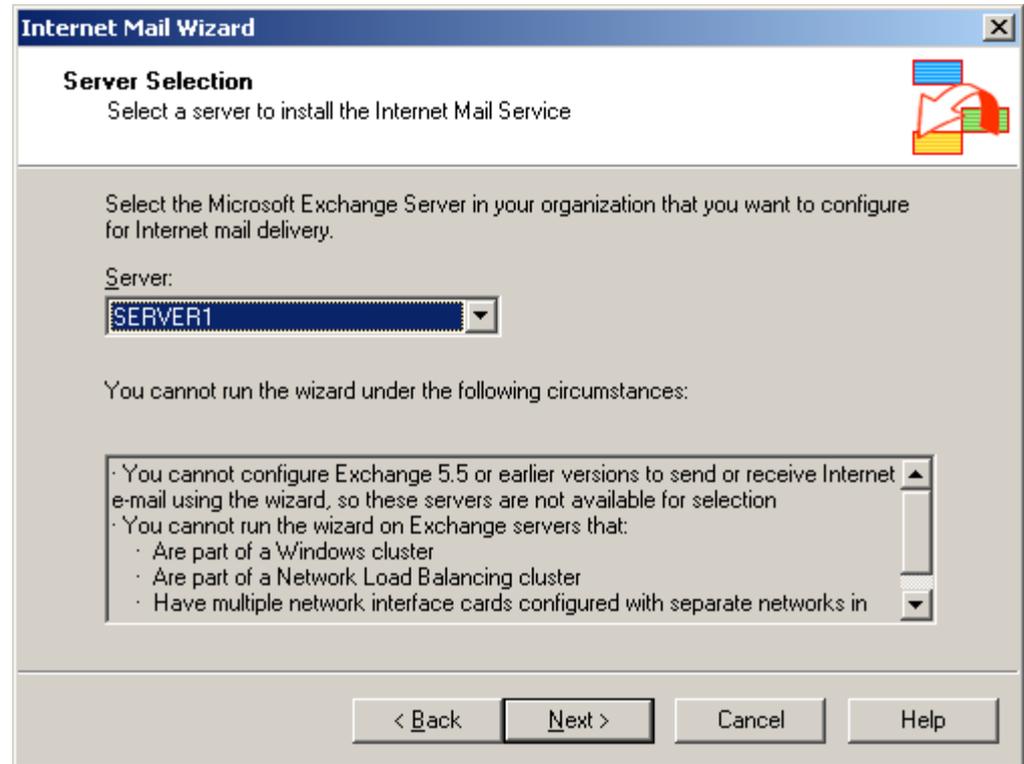
This window lists the prerequisite to setup an Internet Mail Server. We need to have registered our organization's SMTP domain with the Internet registrar. The Exchange server must have an Internet IP address assigned to it. The DNS server needs to point to the mail exchange server and be able to resolve external Internet addresses.

After meeting the criteria, we pick the Next button to continue.



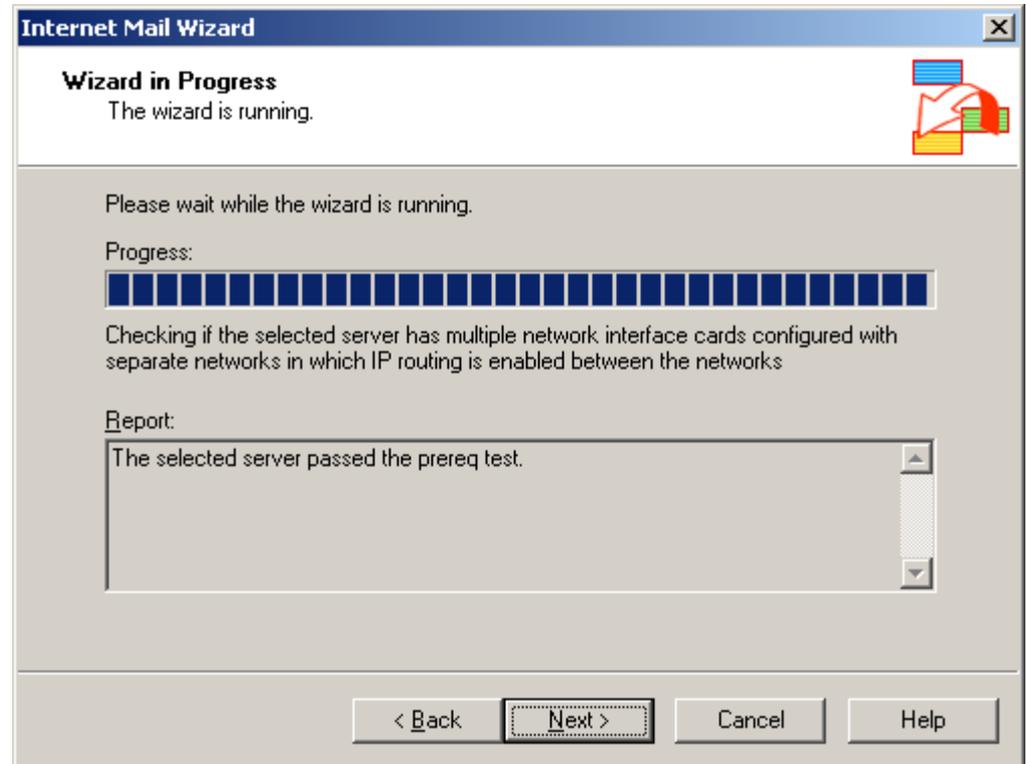
# Server Selection

We pick our Exchange server, Server1 from the list. Servers can not be a part of a Windows cluster. We press the Next button to carry on.



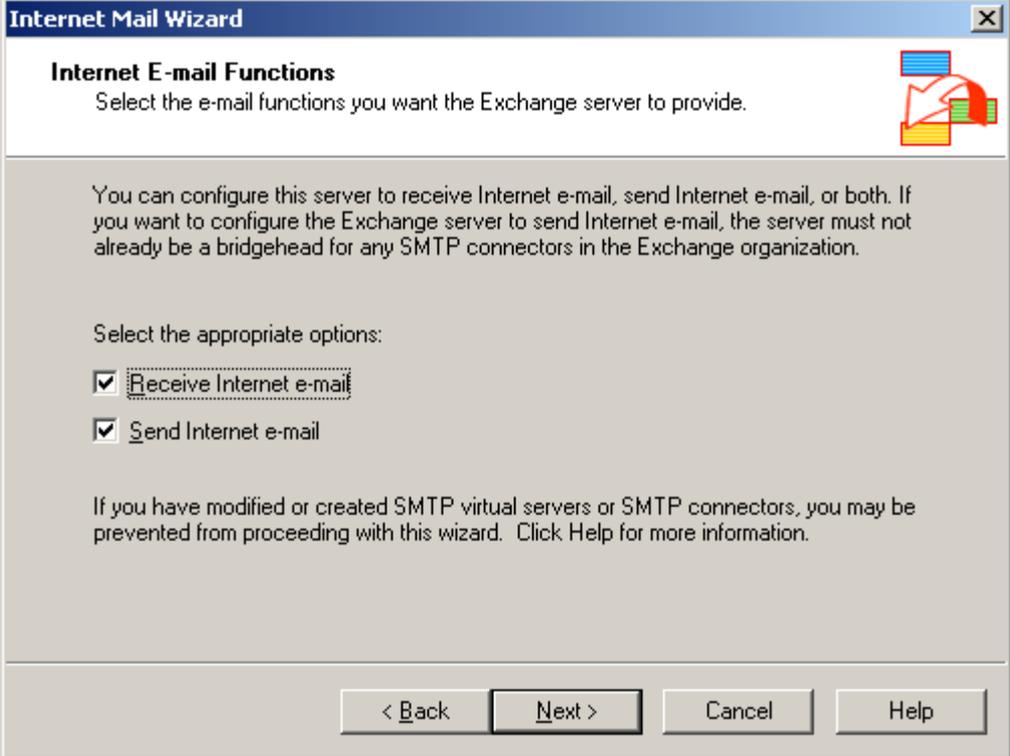
# Prerequisite Test

In the next window, we see that our Exchange server has passed the test for having multiple network interface cards with unique networks and with IP routing between them. We push on the Next button to proceed.



# Internet E-mail Functions

We will configure the mail server to both receive and send Internet e-mail. We check both boxes and pick the Next button to advance.



The screenshot shows a Windows-style dialog box titled "Internet Mail Wizard". The main heading is "Internet E-mail Functions" with the instruction "Select the e-mail functions you want the Exchange server to provide." Below this, a grey-shaded area contains explanatory text: "You can configure this server to receive Internet e-mail, send Internet e-mail, or both. If you want to configure the Exchange server to send Internet e-mail, the server must not already be a bridgehead for any SMTP connectors in the Exchange organization." Underneath, it says "Select the appropriate options:" followed by two checked checkboxes: "Receive Internet e-mail" and "Send Internet e-mail". At the bottom, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

**Internet Mail Wizard**

**Internet E-mail Functions**  
Select the e-mail functions you want the Exchange server to provide.

You can configure this server to receive Internet e-mail, send Internet e-mail, or both. If you want to configure the Exchange server to send Internet e-mail, the server must not already be a bridgehead for any SMTP connectors in the Exchange organization.

Select the appropriate options:

Receive Internet e-mail

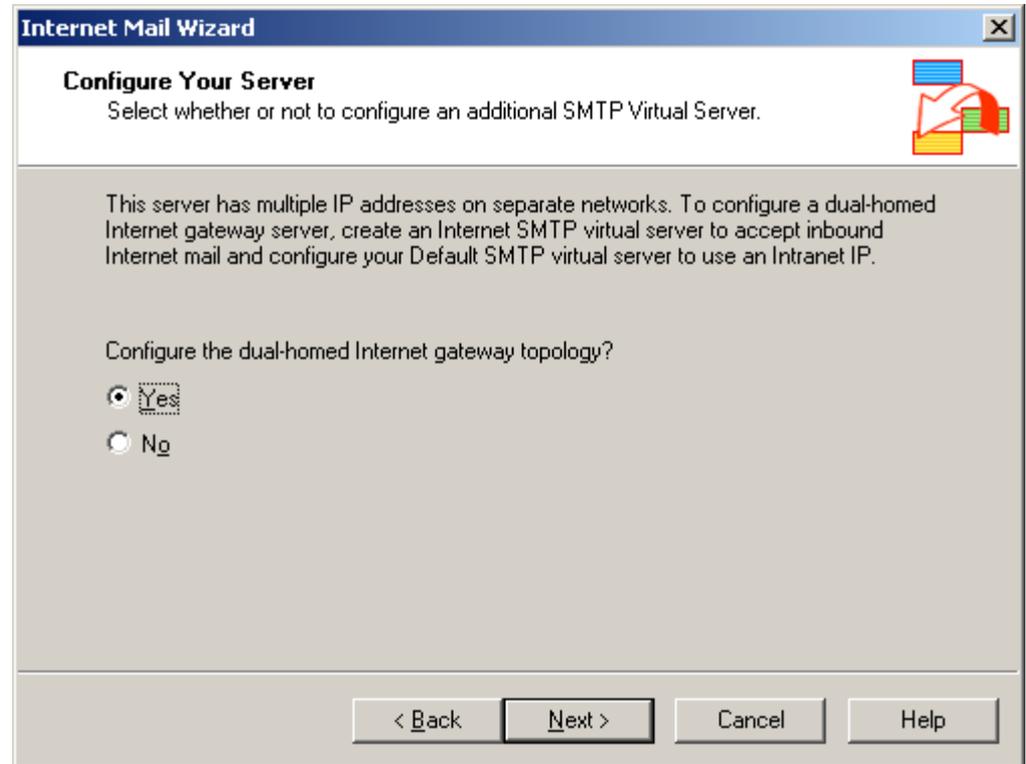
Send Internet e-mail

If you have modified or created SMTP virtual servers or SMTP connectors, you may be prevented from proceeding with this wizard. Click Help for more information.

< Back   Next >   Cancel   Help

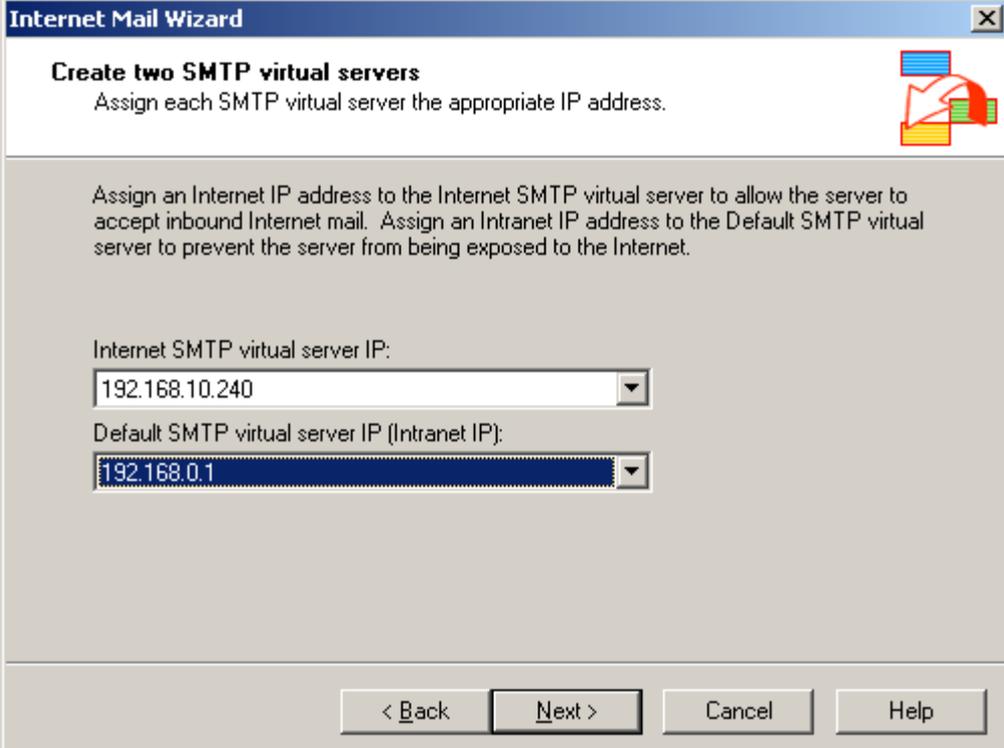
# Dual Homed Internet Gateway

We will mark the Yes option to configure this Exchange server to be a dual homed Internet gateway. We press the Next button to go on.



# SMTP Virtual Server

The Internet SMTP virtual server IP address should be the IP address of the external Network Interface Card (NIC). The Default SMTP virtual server IP is the same as the internal NIC. After picking the IP addresses from the list box, we opt for the Next button to carry on.



The screenshot shows the 'Internet Mail Wizard' dialog box. The title bar reads 'Internet Mail Wizard'. The main heading is 'Create two SMTP virtual servers' with the instruction 'Assign each SMTP virtual server the appropriate IP address.' Below this, a paragraph explains: 'Assign an Internet IP address to the Internet SMTP virtual server to allow the server to accept inbound Internet mail. Assign an Intranet IP address to the Default SMTP virtual server to prevent the server from being exposed to the Internet.' There are two dropdown menus: 'Internet SMTP virtual server IP:' with the value '192.168.10.240' and 'Default SMTP virtual server IP (Intranet IP):' with the value '192.168.0.1'. At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

**Internet Mail Wizard**

**Create two SMTP virtual servers**  
Assign each SMTP virtual server the appropriate IP address.

Assign an Internet IP address to the Internet SMTP virtual server to allow the server to accept inbound Internet mail. Assign an Intranet IP address to the Default SMTP virtual server to prevent the server from being exposed to the Internet.

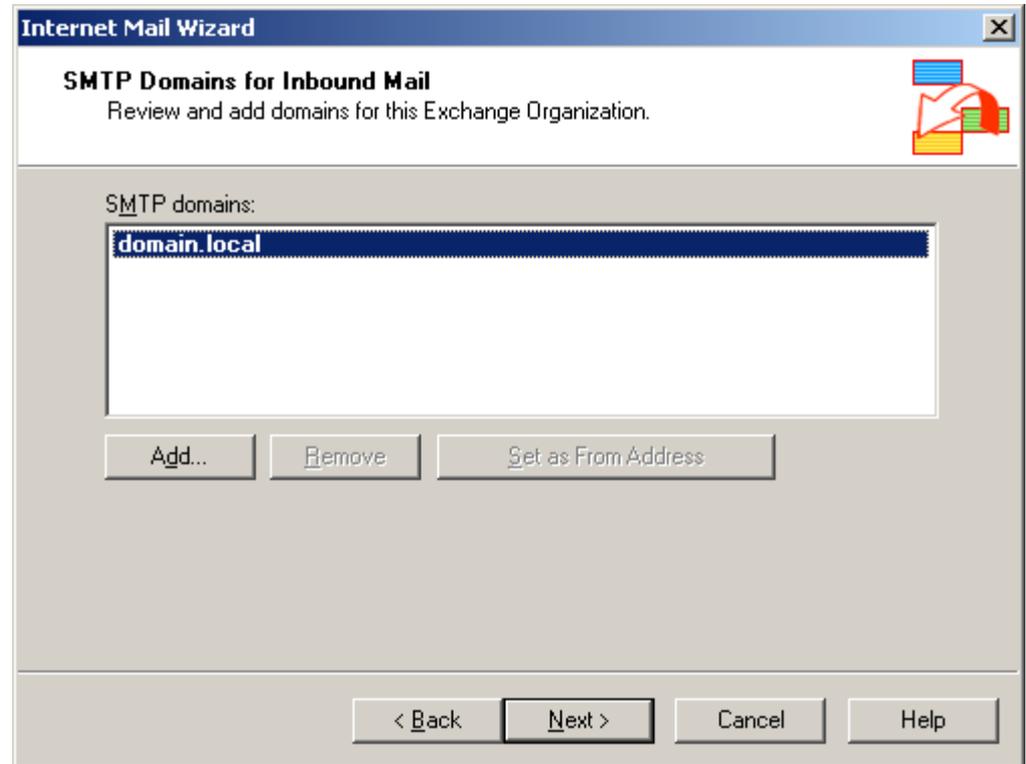
Internet SMTP virtual server IP:  
192.168.10.240

Default SMTP virtual server IP (Intranet IP):  
192.168.0.1

< Back   Next >   Cancel   Help

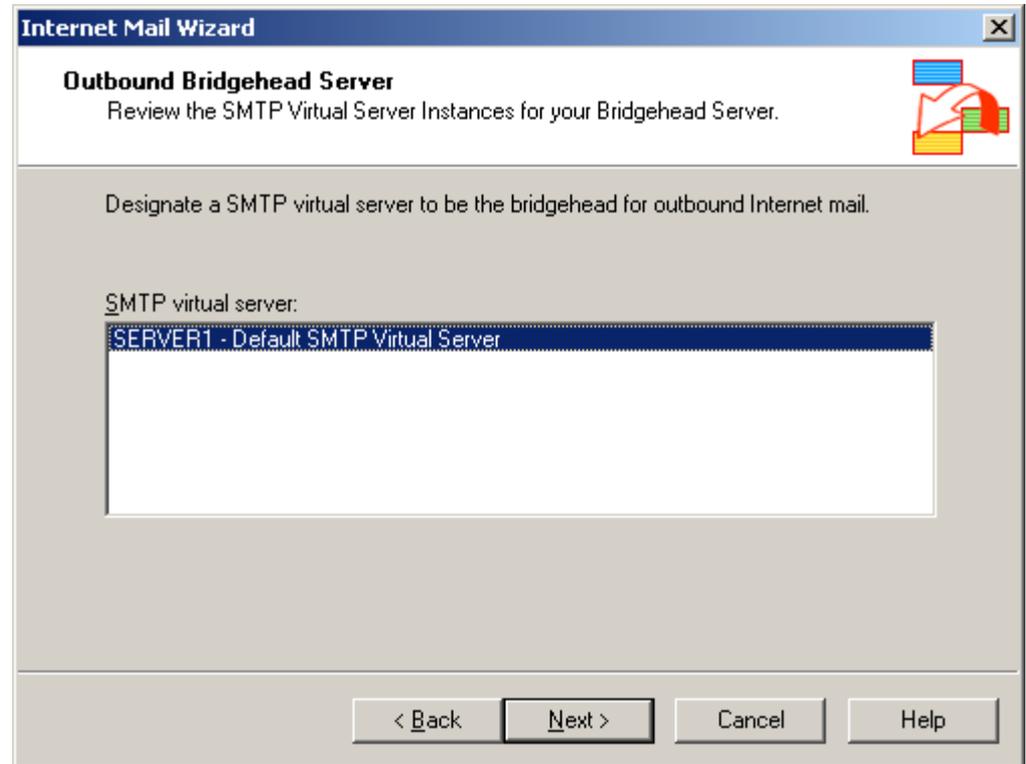
# SMTP Domain

Our SMTP domain will be the Domain Controller for our organization. We press the Next button to advance.



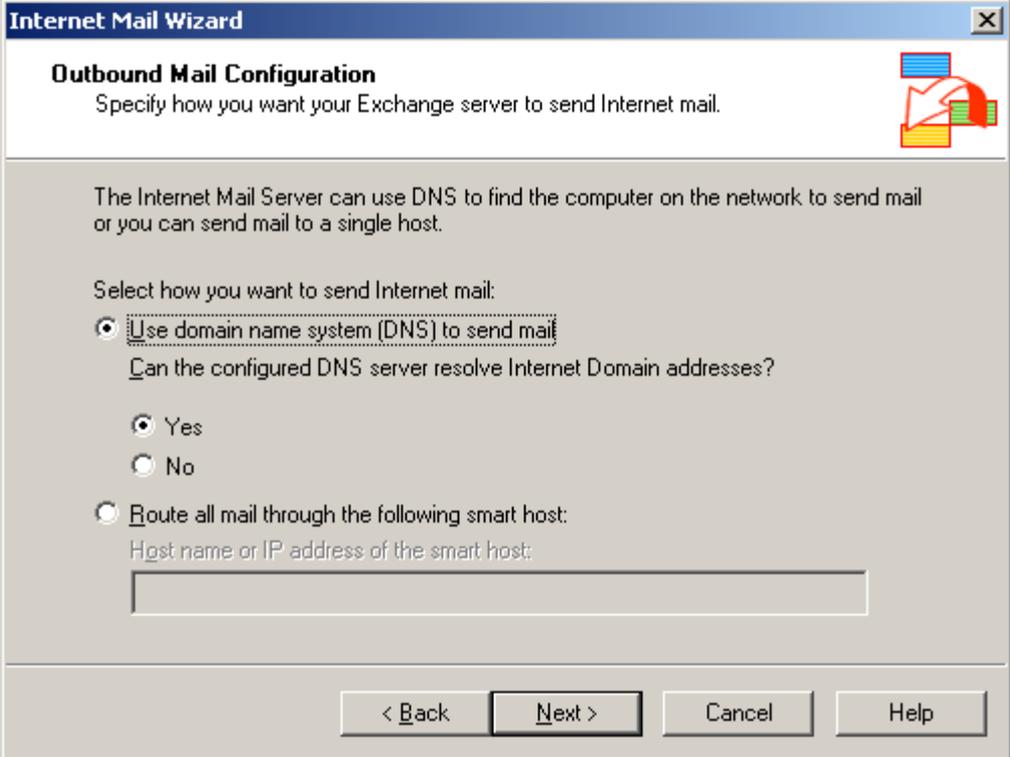
# Outbound Bridgehead Server

Again, Server1 will be the outbound bridgehead server. We choose the Next button to continue.



# Outbound Mail Configuration

We will opt to use the DNS server to resolve Internet Domain Addresses. We will select the Next button to go on.



The screenshot shows the 'Internet Mail Wizard' dialog box, specifically the 'Outbound Mail Configuration' step. The title bar reads 'Internet Mail Wizard'. The main heading is 'Outbound Mail Configuration' with a sub-instruction: 'Specify how you want your Exchange server to send Internet mail.' Below this, a paragraph explains: 'The Internet Mail Server can use DNS to find the computer on the network to send mail or you can send mail to a single host.' The user is prompted to 'Select how you want to send Internet mail:' with two main options: 'Use domain name system (DNS) to send mail' (selected) and 'Route all mail through the following smart host:'. Under the selected option, there is a question: 'Can the configured DNS server resolve Internet Domain addresses?' with 'Yes' (selected) and 'No' radio buttons. Under the unselected option, there is a text input field for 'Host name or IP address of the smart host:'. At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

**Internet Mail Wizard**

**Outbound Mail Configuration**  
Specify how you want your Exchange server to send Internet mail.

The Internet Mail Server can use DNS to find the computer on the network to send mail or you can send mail to a single host.

Select how you want to send Internet mail:

Use domain name system (DNS) to send mail  
Can the configured DNS server resolve Internet Domain addresses?

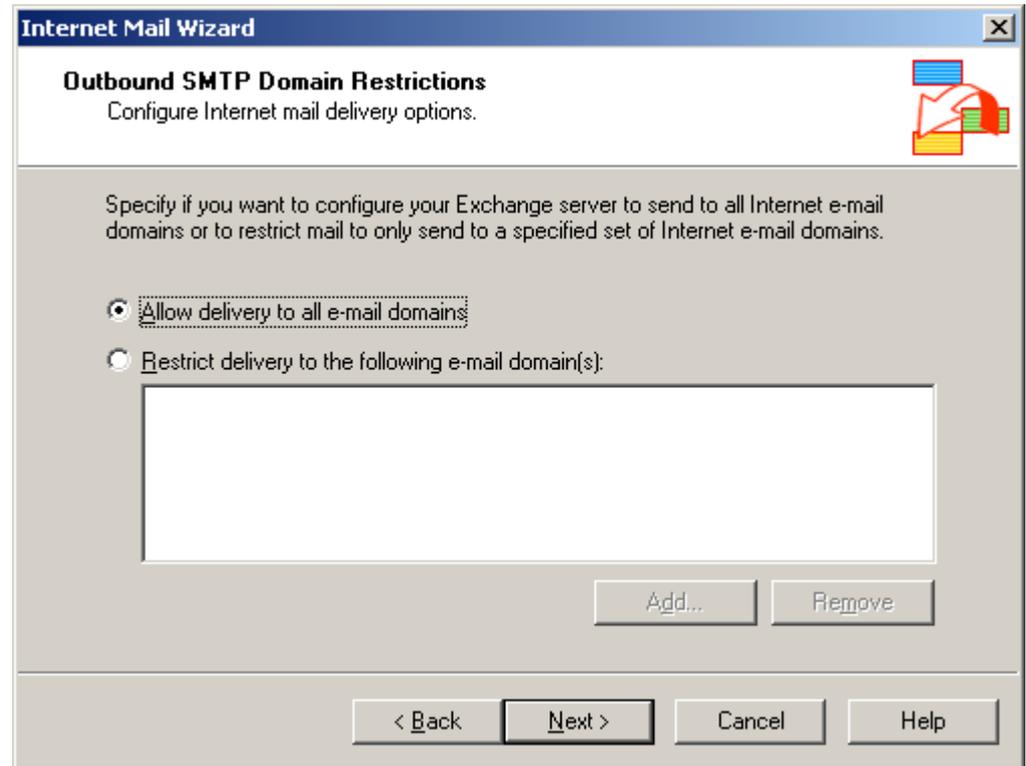
Yes  
 No

Route all mail through the following smart host:  
Host name or IP address of the smart host:

< Back   Next >   Cancel   Help

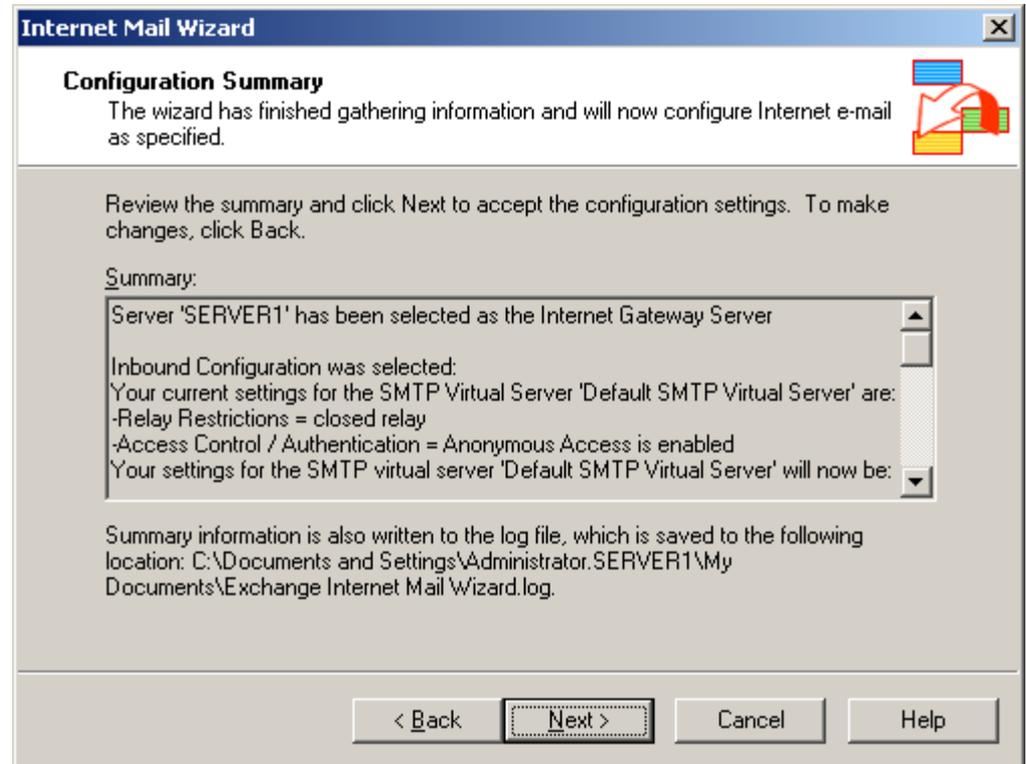
# Outbound SMTP Domain Restrictions

We will pick to allow delivery to all email domains, so we will not restrict any domains. Restrictions would be added to the list box if we had them. We then select the Next button.



# Configuration Summary

A configuration summary of our choices is shown. We can return to previous windows using the Back button or proceed utilizing the Next button.



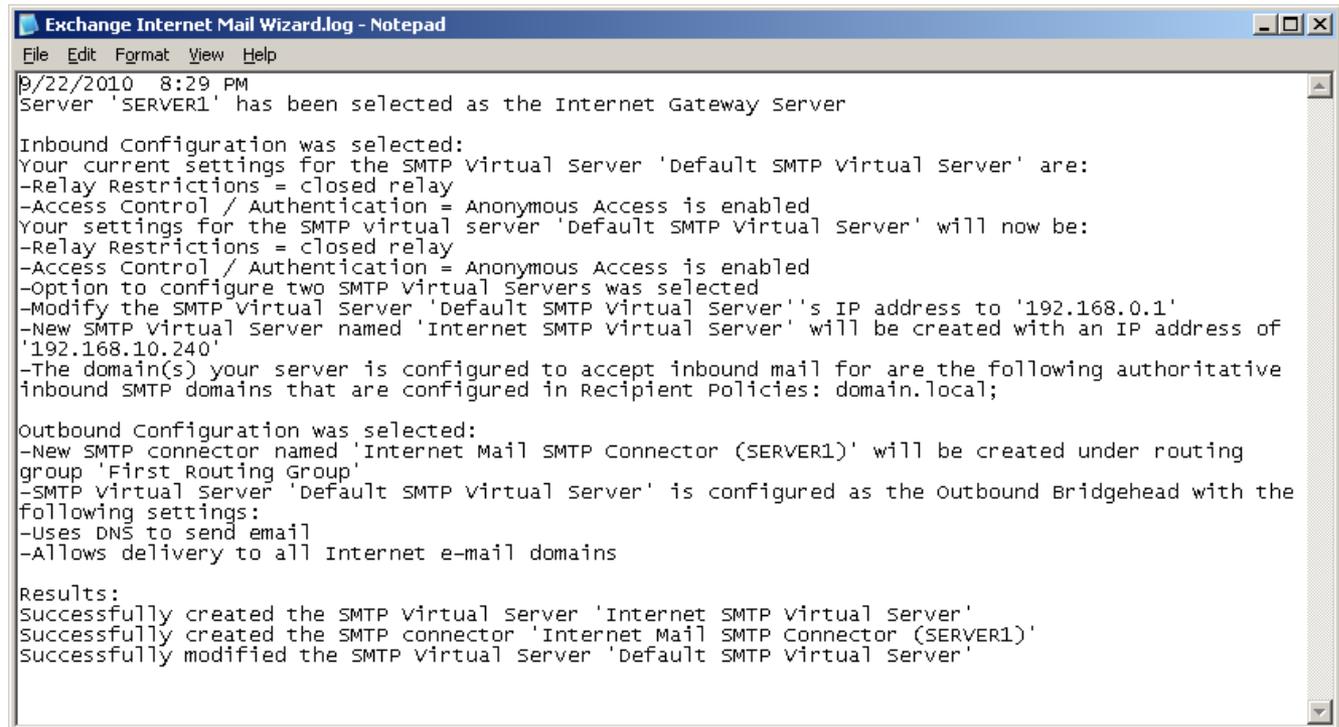
# Internet Mail Wizard Complete

The Internet Mail Wizard is now complete. We can annotate the checkbox to have a summary report written to a text file.



# Summary Written to Text File

The Summary Report is written to text file and our server is setup for Internet e-mail.



```
Exchange Internet Mail Wizard.log - Notepad
File Edit Format View Help
9/22/2010 8:29 PM
Server 'SERVER1' has been selected as the Internet Gateway Server

Inbound Configuration was selected:
Your current settings for the SMTP virtual server 'default SMTP virtual server' are:
-Relay Restrictions = closed relay
-Access Control / Authentication = Anonymous Access is enabled
Your settings for the SMTP virtual server 'default SMTP virtual server' will now be:
-Relay Restrictions = closed relay
-Access Control / Authentication = Anonymous Access is enabled
-Option to configure two SMTP virtual servers was selected
-Modify the SMTP virtual server 'default SMTP virtual server's IP address to '192.168.0.1'
-New SMTP virtual server named 'Internet SMTP virtual server' will be created with an IP address of
'192.168.10.240'
-The domain(s) your server is configured to accept inbound mail for are the following authoritative
inbound SMTP domains that are configured in Recipient Policies: domain.local;

Outbound Configuration was selected:
-New SMTP connector named 'Internet Mail SMTP Connector (SERVER1)' will be created under routing
group 'First Routing Group'
-SMTP virtual server 'default SMTP virtual server' is configured as the Outbound Bridgehead with the
following settings:
-Uses DNS to send email
-Allows delivery to all Internet e-mail domains

Results:
Successfully created the SMTP virtual server 'Internet SMTP virtual server'
Successfully created the SMTP connector 'Internet Mail SMTP Connector (SERVER1)'
Successfully modified the SMTP virtual server 'default SMTP virtual server'
```