Basic Exchange Setup Guide

The following document and screenshots are provided for a single Microsoft Exchange Small Business Server 2003 or Exchange Server 2007 setup. These instructions are not provided with any warranty or technical support.
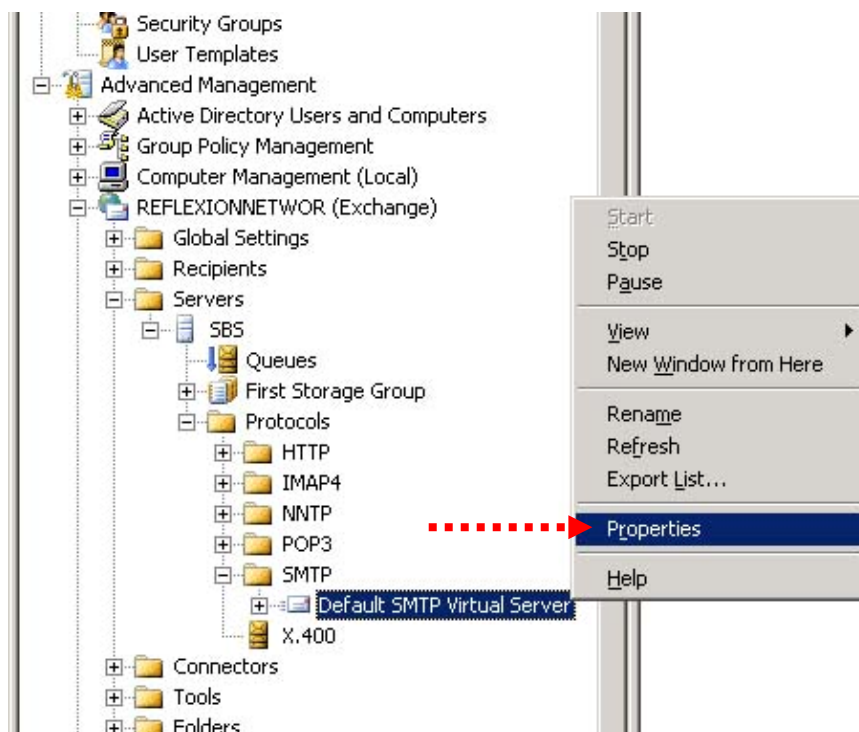
It is assumed that you have a basic understanding and knowledge of Microsoft Exchange server mail flow, addressing and routing connectors. For more information on routing connectors and before using this document please download the following document from the Microsoft website.
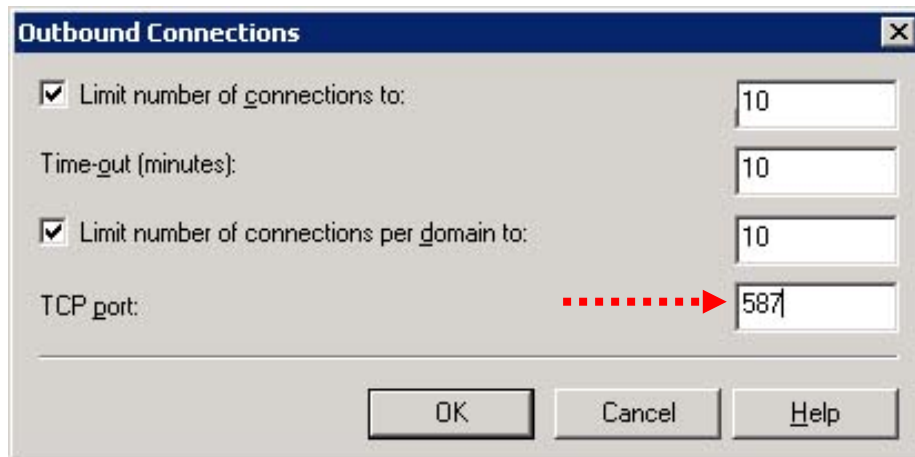
http://www.microsoft.com/technet/prodtechnol/exchange/2003/library/extransrout.mspx

If you have multiple Exchange servers, you must read the document above and seek advice for your particular system from a Microsoft Exchange professional. Improper configuration of your Microsoft Exchange server will result in lost email and downtime.

Single Exchange 2003 Server

1. Open **System Management**, expand **Advanced Management**, then expand the **Exchange/First Organization** item (sometimes named for the domain name followed by **(Exchange)**).

2. Expand **Global Settings** and right-click on **Message Delivery** and choose **Properties**.

3. Select the **Recipient Filtering** tab and check **Filter recipients who are not in the Directory** (if it is not already checked).

4. Click **OK**.

5. Expand **Servers** -> **[Server Name]** -> **Protocols** -> **SMTP** to expose the **Default SMTP Virtual Server**. Right click on that and choose **Properties**.

6. Select the **Delivery** tab and click **Outbound connections…**

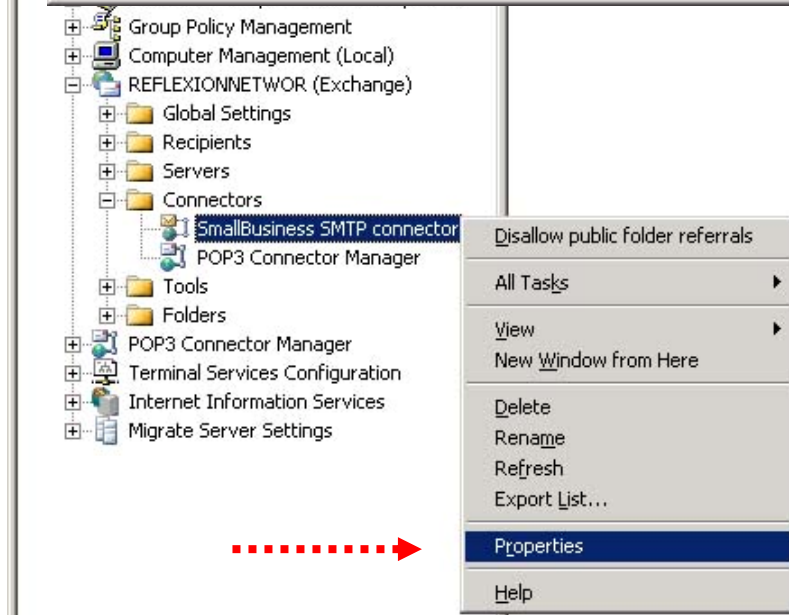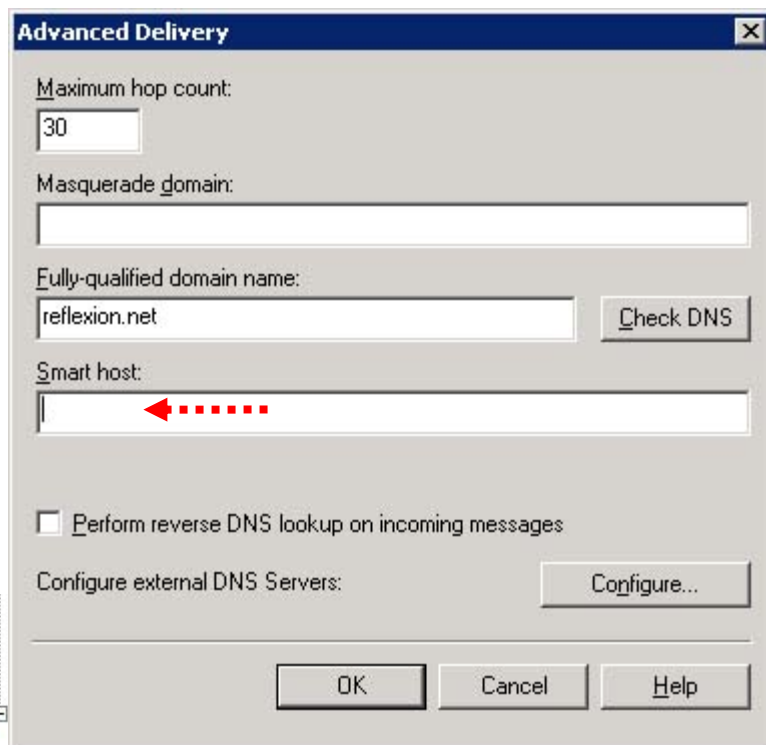7. Change the **TCP port:** setting to **587** and click **OK**.

Outbound Connections

☑ Limit number of connections to: `10`

Time-out (minutes): `10`

☑ Limit number of connections per domain to: `10`

TCP port: ┄┄┄┄┄┄▶ `587`

[OK] [Cancel] [Help]

NSImail

8. You should be in the **Default SMTP Virtual Server Properties** window in the **General** tab. Click **Advanced…**

Advanced Delivery

Maximum hop count:
`30`

Masquerade domain:

Fully-qualified domain name:
`reflexion.net` [Check DNS]

Smart host:
`|` ◀┄┄┄┄┄

☐ Perform reverse DNS lookup on incoming messages

Configure external DNS Servers: [Configure...]

[OK] [Cancel] [Help]

9. Verify that the "Smart host" field is blank. If it is not, you must learn why before proceeding as clearing it may cause your outbound mail to stop working.

10. Click OK, then click OK again.

⊞ 🖳 Group Policy Management
⊞ 🖥 Computer Management (Local)
⊟ 🖧 REFLEXIONNETWOR (Exchange)
   ⊞ 📁 Global Settings
   ⊞ 📁 Recipients
   ⊞ 📁 Servers
   ⊟ 📁 Connectors
       🔲 SmallBusiness SMTP connector
       🔲 POP3 Connector Manager
   ⊞ 📁 Tools
   ⊞ 📁 Folders
⊞ 🔲 POP3 Connector Manager
⊞ 🖥 Terminal Services Configuration
⊞ 🖥 Internet Information Services
⊞ 🗎 Migrate Server Settings

Disallow public folder referrals

All Tasks ▶

View ▶
New Window from Here

Delete
Rename
Refresh
Export List...

┄┄┄┄┄▶ Properties
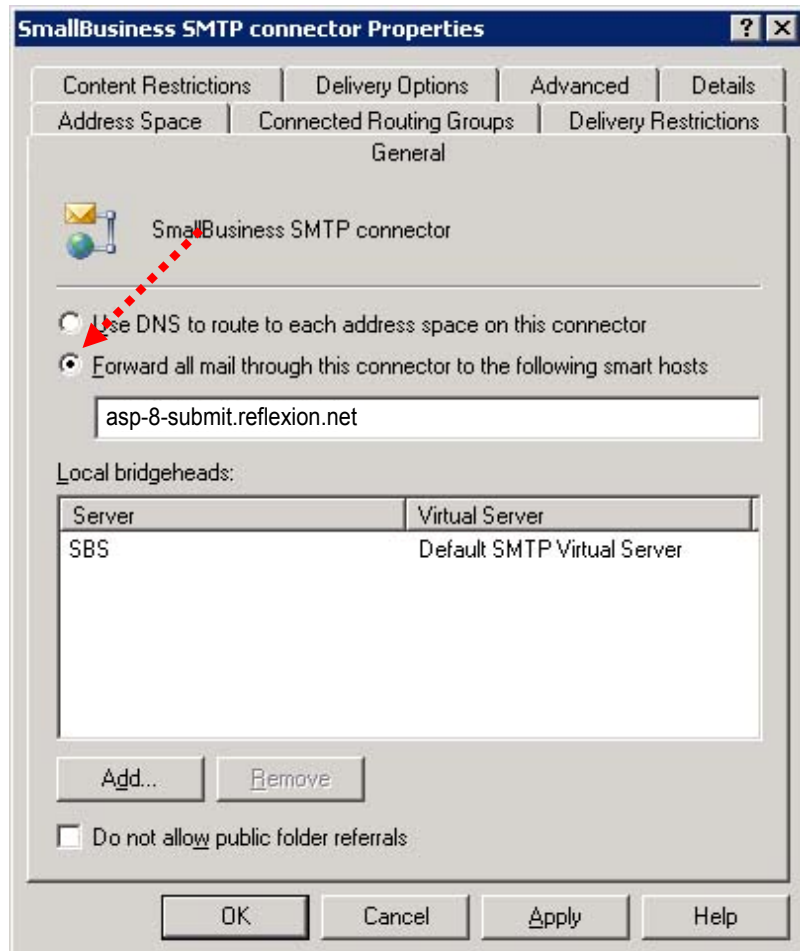
Help

11. Open **Connectors** to expose the

SmallBusiness SMTP Connector. Your connector may have a different name depending on your setup.

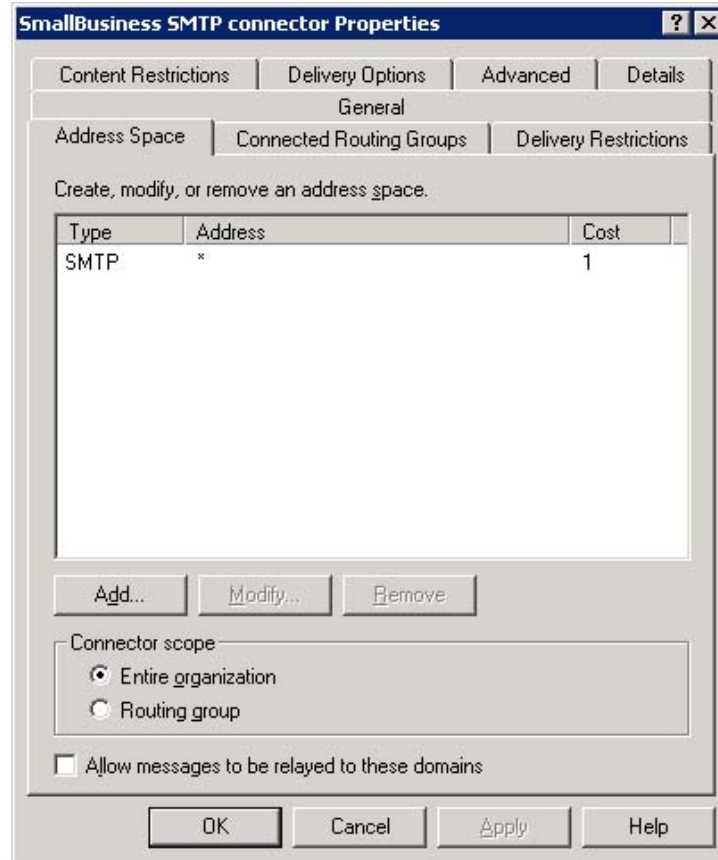12. Right mouse click on the connector and choose properties.

13. Select "Forward all mail through this connector to the following smart hosts"

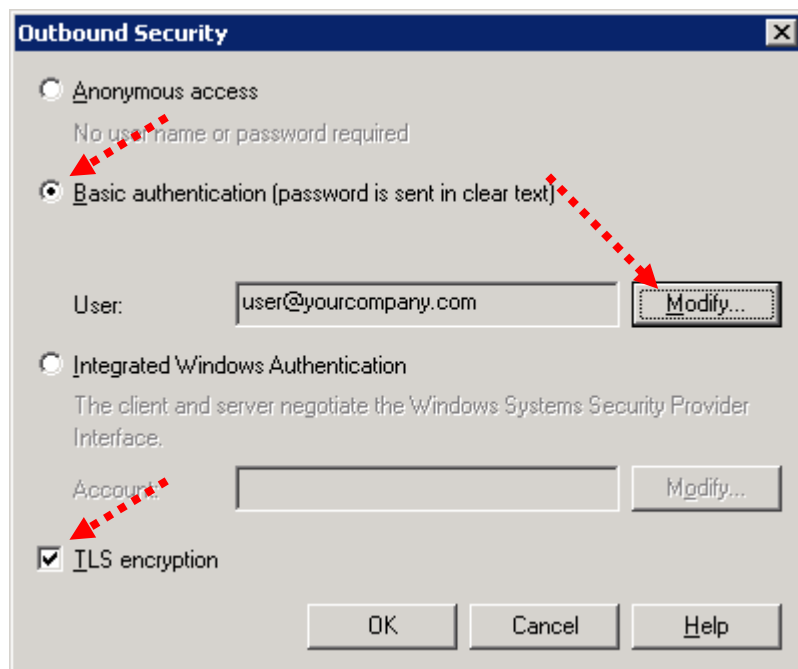14. In the box below, fill in the name of your assigned outgoing server.

15. Go to the **Address Space** tab.

16. Verify that your setup matches the one pictured here.

SmallBusiness SMTP connector Properties ? X

| Content Restrictions | Delivery Options | Advanced | Details |

General

| Address Space | Connected Routing Groups | Delivery Restrictions |

Create, modify, or remove an address space.

Type	Address	Cost
SMTP	*	1

Add...   Modify...   Remove

Connector scope
 ● Entire organization
 ○ Routing group

☐ Allow messages to be relayed to these domains

OK   Cancel   Apply   Help

17. **Required ONLY if you do NOT have a static IP address:** Click on the **Advanced** tab, then click **Outbound Security…**

18. **Required ONLY if you do NOT have a static IP address:** Select **Basic authentication** and check **TLS encryption** then click **Modify…** and enter your Total Control username and password.

Outbound Security X

○ Anonymous access
  No user name or password required

● Basic authentication (password is sent in clear text)

User: user@yourcompany.com   Modify...

○ Integrated Windows Authentication
  The client and server negotiate the Windows Systems Security Provider Interface.

Account: [   ]   Modify...

☑ TLS encryption

OK   Cancel   Help

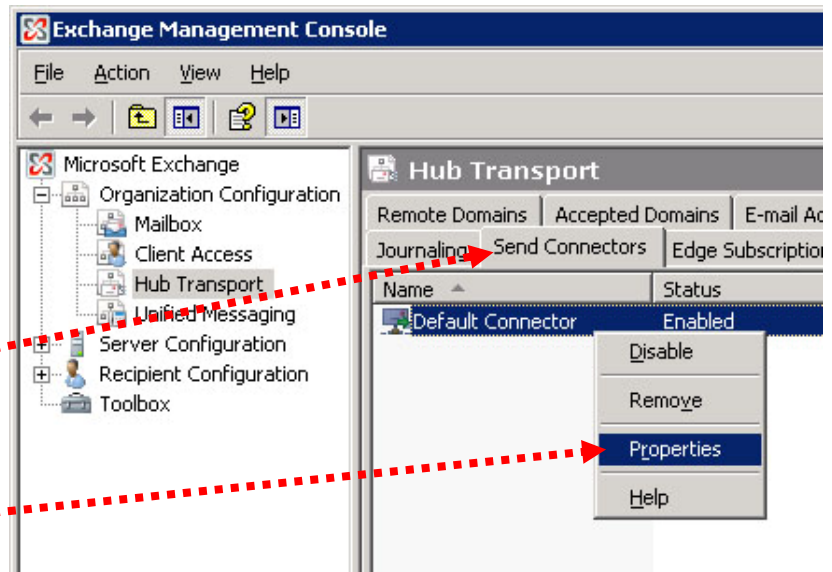19. Click **OK** and then **OK** again and verify that email is going out through the system. A restart may be required for changes to take effect.

# Single Exchange 2007 Server

1. Open the **Exchange Management Console**.

2. Open **Organization Configuration** and select **Hub Transport**.

3. Select the **Send Connectors** tab.

4. Right-click on **Default Connector** and choose **Properties**.

5. Select the **Network** tab.

6. Select "Route mail through the following smart hosts:"

7. Click **Add**.

8. Select **Fully qualified domain name (FQDN):**

9. Enter the name of your assigned ASP server: asp-8-submit.reflexion.net
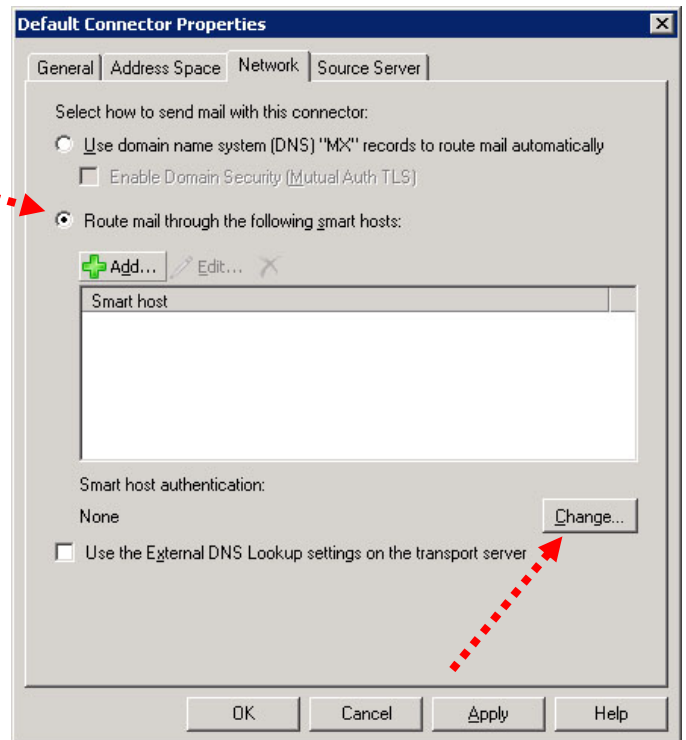
10. **Required ONLY if you do NOT have a static IP address:** Click **Change…** under **Smart host authentication:**
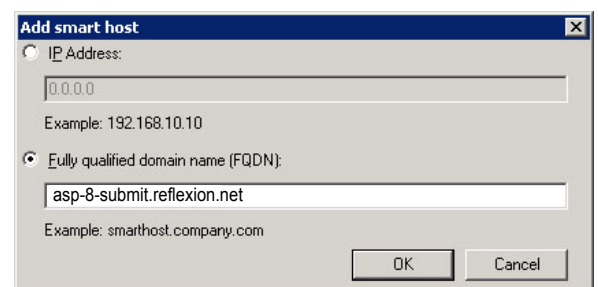
11. **Required ONLY if you do NOT have a static IP address:** In the **Configure Smart Host Authentication Settings** dialog box, select **Basic Authentication**, then check **Basic Authentication over TLS**, then enter your supplied User name (in the form

    user@yourcompany.com) and your Password, then click **OK**.

12. Click **OK** again.

13. Open the **Exchange Management Shell** and enter both of the following:

    ```
    Set-SendConnector –identity "Default Connector" –Port:587

    Set-RecipientFilterConfig –Enabled $true
    ```

    > **Note:** If you see a warning saying…
    >
    > ```
    >   The command completed successfully but not
    > settings of 'RecipientFilterConfig' have been
    > modified
    > ```
    >
    > …do not worry. This means that recipient filtering is already enabled on your system and no further changes are required.