



Trusted Exchange 2003™

**Establishing X400 Service Transport Stack
&
X400 Connectors Guide**

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Establish TCP/IP X400 Service Transport Stack

IMPORTANT NOTE:

TCP/IP X400 Service Transport Stacks are not defined until after TREX is installed and the TREX installation process has created the applicable “Routing Group” folders.

Via “System Manager” establish a TCP/IP X400 Service Transport Pack for each applicable domain (i.e. Single Domain or Parent/Child Domain):

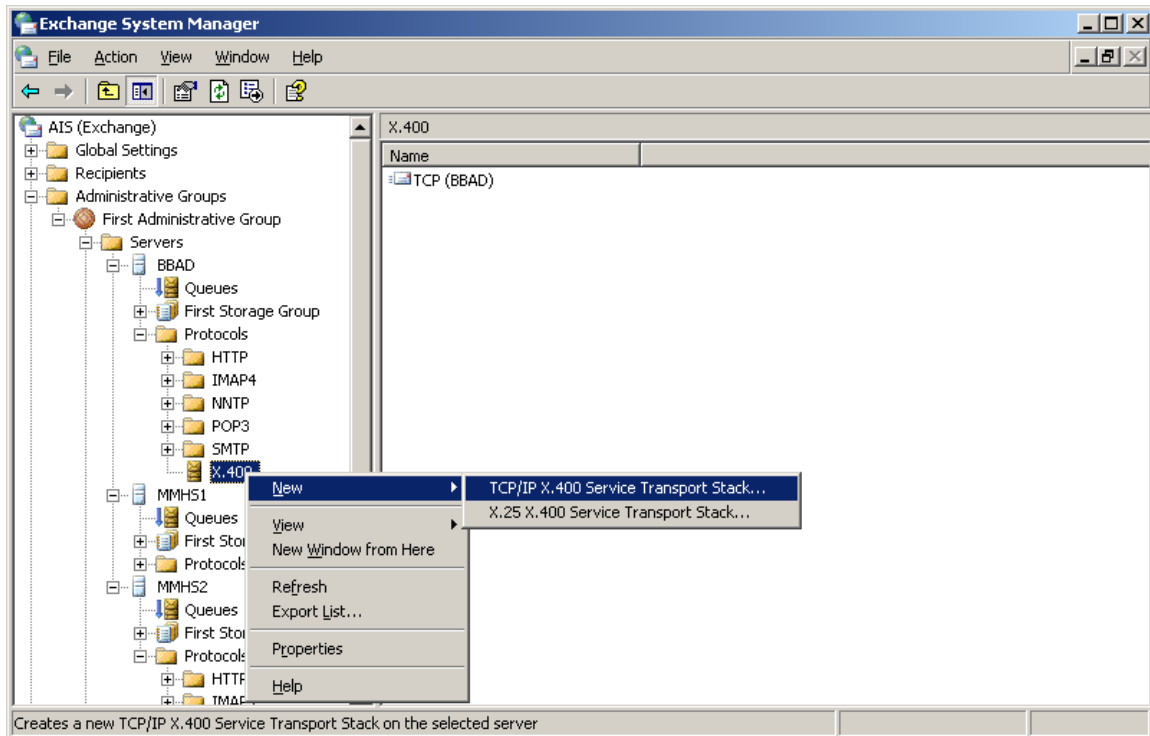
Note:

Multiple Domain configuration exemplified herein; There are three Servers:

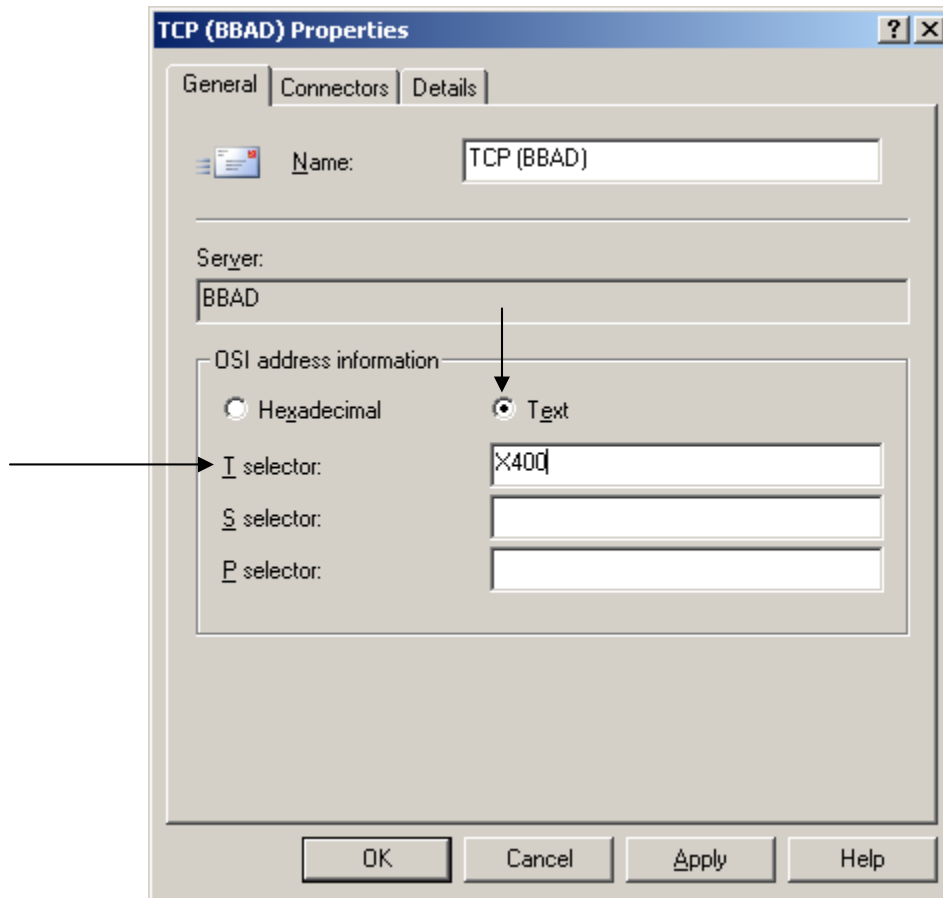
- BABD
- MMHS1
- MMHS2

BBAD has been expanded as shown herein.

Right click Protocol X400 → select ”New” → select “TCP/IP X.400 Service Transport Stack”



The “TCP Properties” dialog box is displayed for BBAD:



Select “Text” → enter “T selector” value of “X400”

[The “T selector” value is determined by local policy.]

Select “OK” to continue

The “TCP/IP X400 Service Transport Pack” has been established for the applicable system.

If applicable, create a “TCP/IP X400 Service Transport Pack” for each system in the domain.

Establishing a X400 Connectors to External & Direct X400 MTA's

IMPORTANT NOTE:

X400 connectors are not defined until after TREX is installed and the TREX installation process has created the applicable "Connections" folders.

The "Routing Groups" shown herein represent a Server 2003 / Exchange 2003 multiple domain configuration where TREX has been installed.

For single domain configurations, only one Routing Group will be displayed.

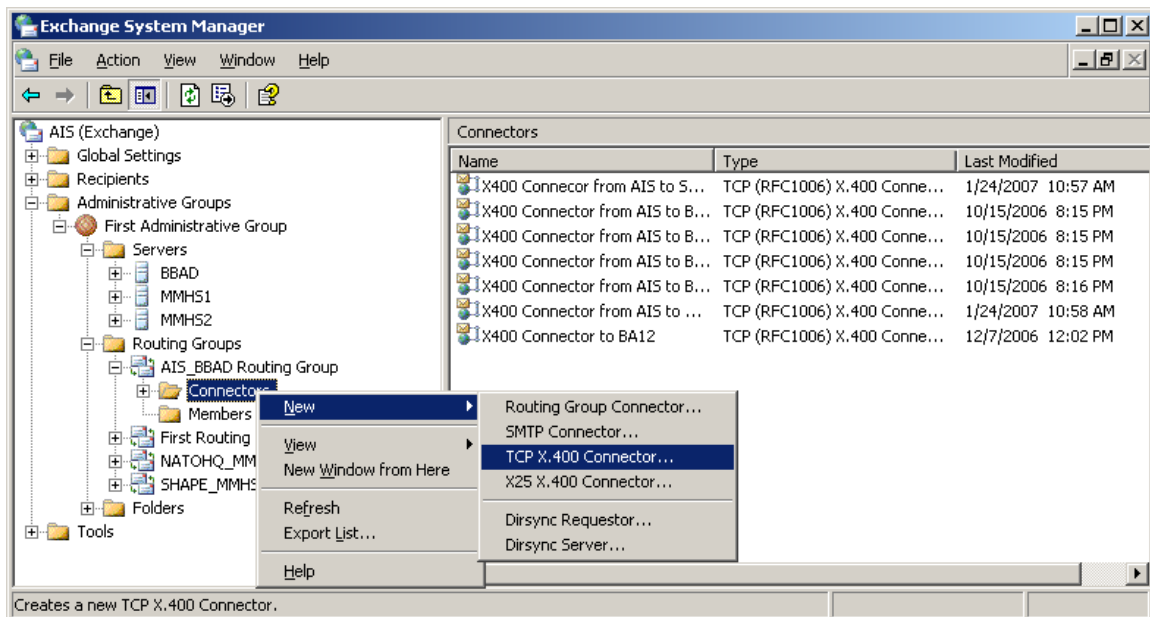
- Via "System Manager" on each TREX system establish an X400 connector to the MTA.
- Expand "Routing Groups"

Multiple Domain configuration exemplified herein; There are three Routing Groups:

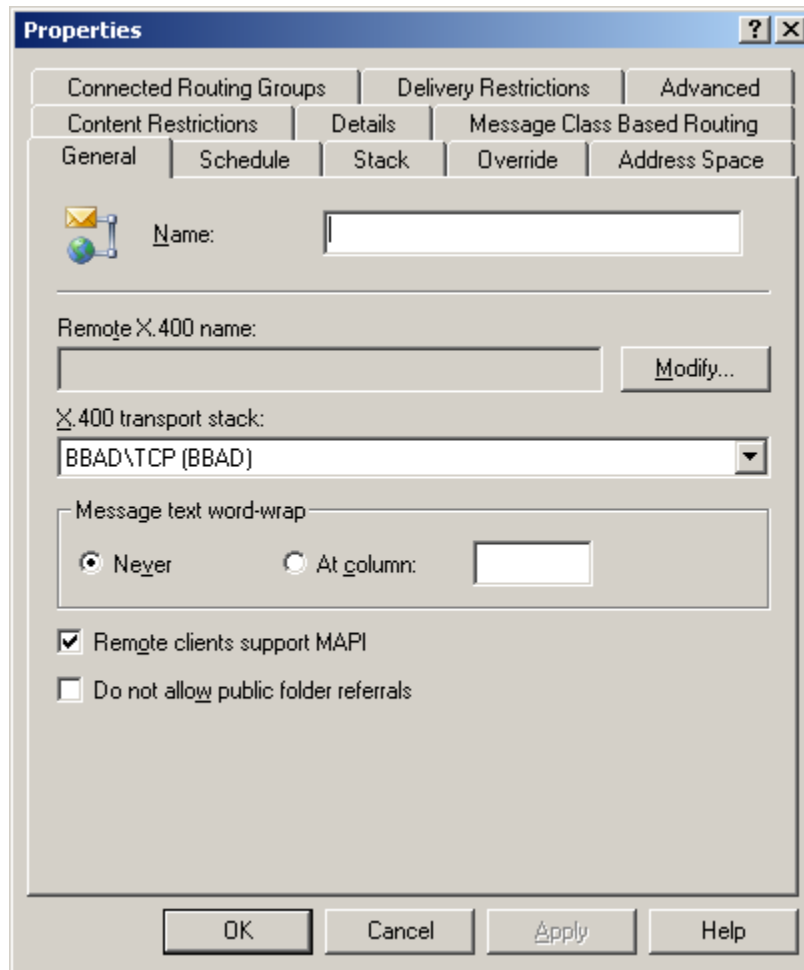
- AIS_BABD Routing Group
- NATOHQ_MMHS1 Routing Group
- SHAPE_MMHS2 Routing Group

For this example, AIS_BABD Routing Group has been expanded:

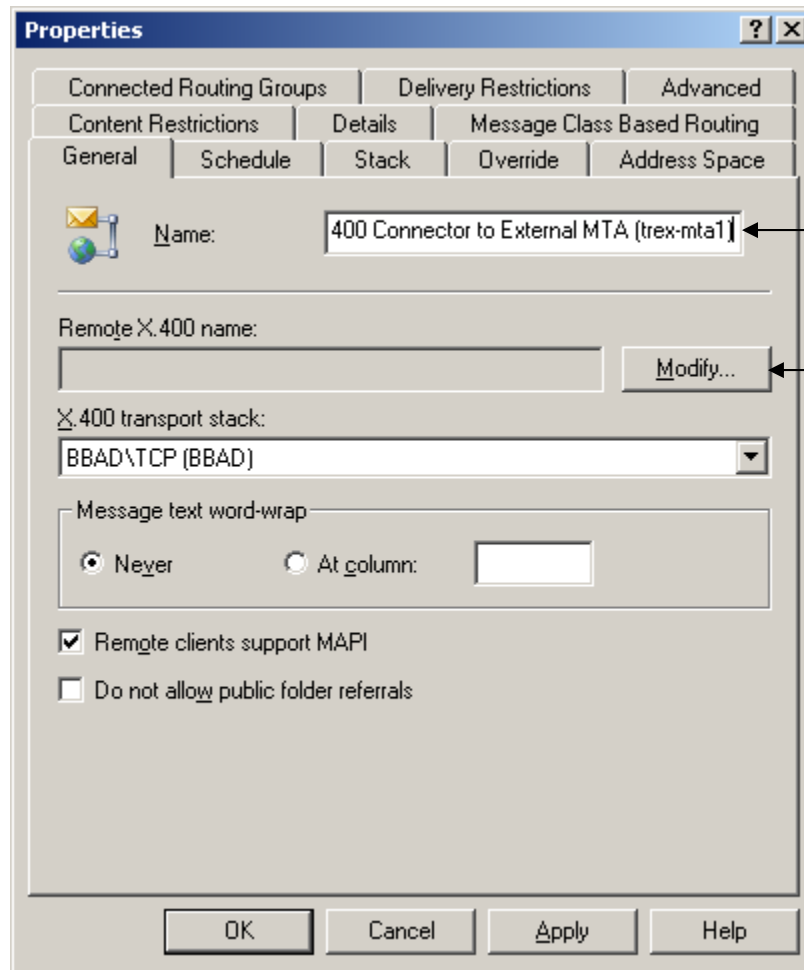
Right-click "Connector" → select "New" to continue → select "TCP X400 Connector"



The default “Properties” dialog box is displayed.

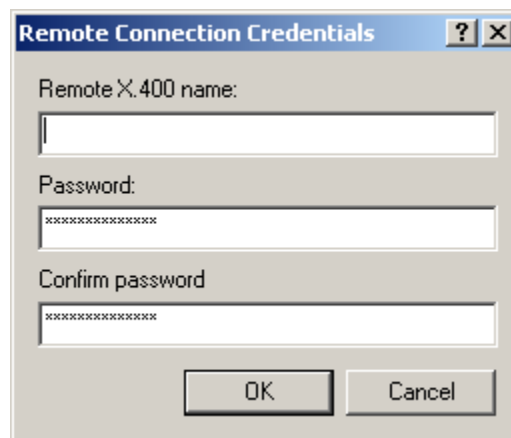


Enter the description of the MTA or remote X400 connector being established.



- Select the “Modify” button.

The default “Remote Connection Credentials” dialog box is displayed.

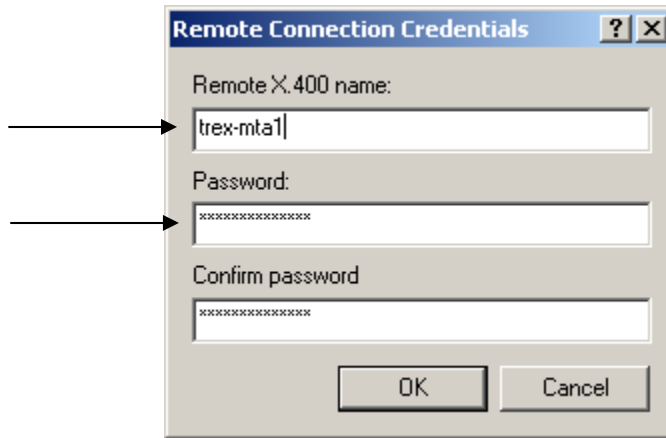


- Enter the name of the remote MTA (as exemplated below).

IMPORTANT NOTE:

The “Remote X.400 name” must be an exact name match. The “Remote X.400 name” is case sensitive.

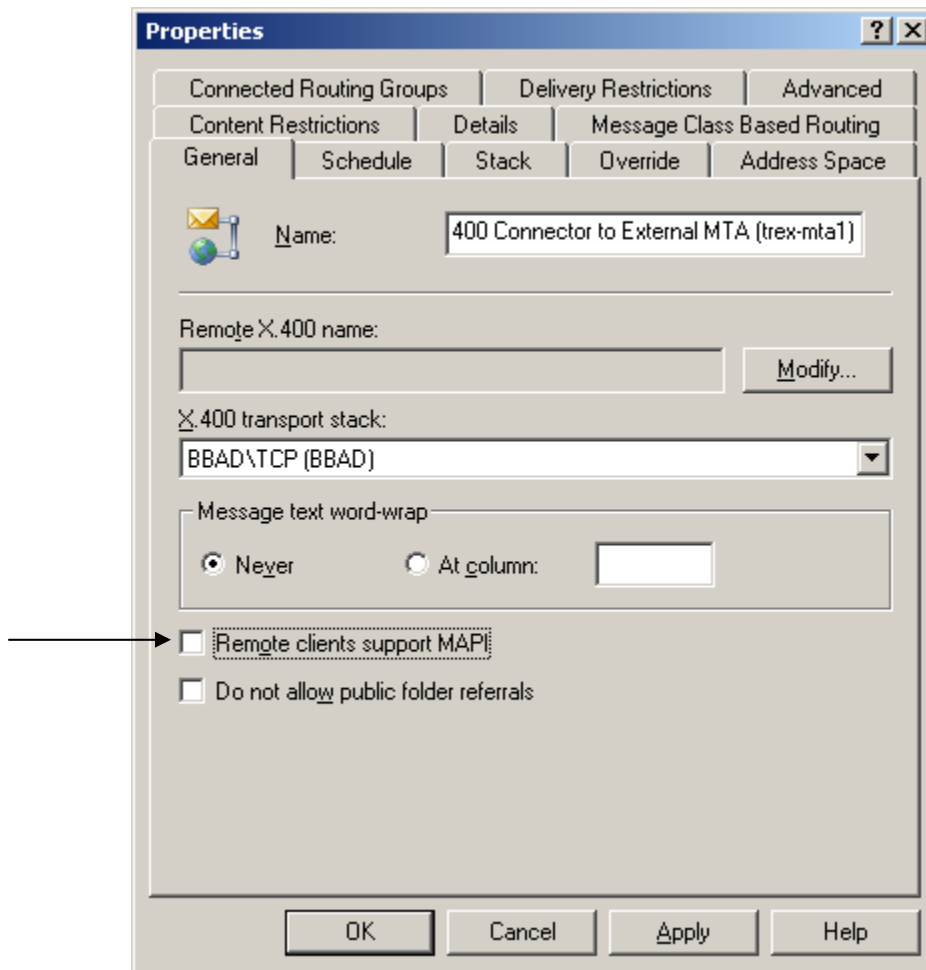
- “Blank out” the both password fields.



The image shows a dialog box titled "Remote Connection Credentials". It has a title bar with a question mark and a close button. The dialog contains three text input fields: "Remote X.400 name:" with the text "trex-mta1", "Password:" with a masked password "xxxxxxxx", and "Confirm password" with a masked password "xxxxxxxx". At the bottom are "OK" and "Cancel" buttons. Two arrows point to the "Remote X.400 name" and "Password" fields.

- Select “OK to continue.”

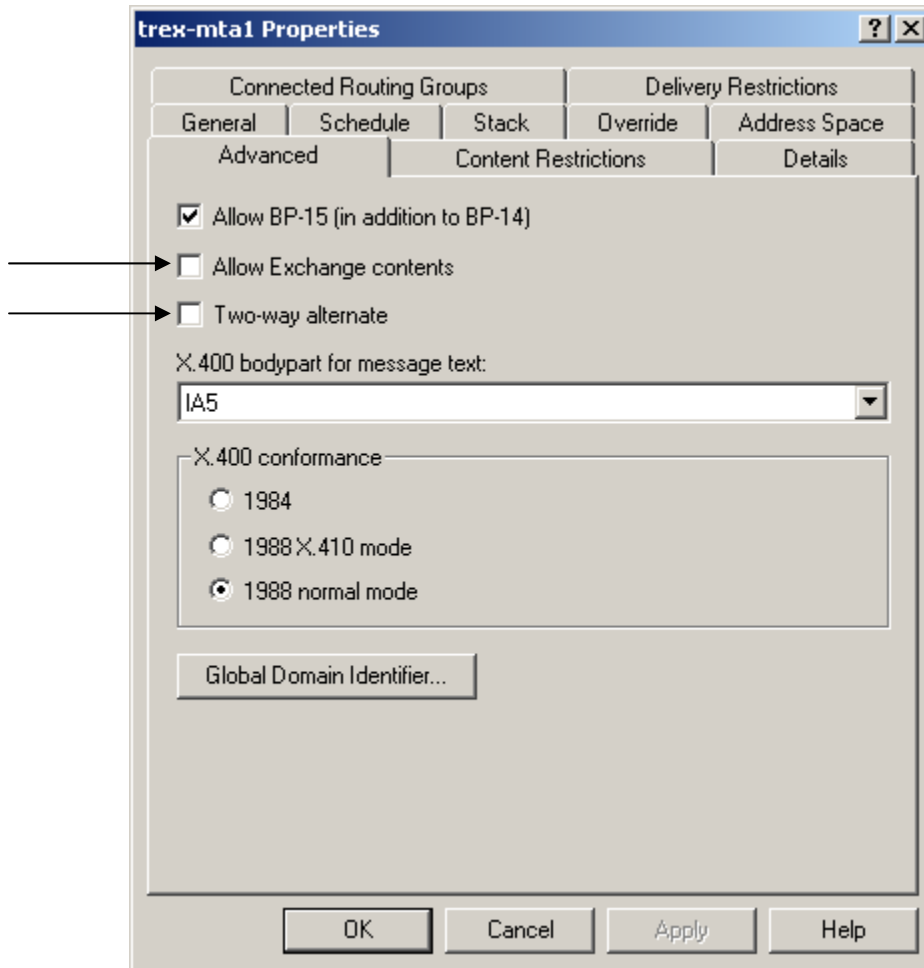
The “Properties” dialog box is displayed for the MTA (as exemplified below) or remote X400 system.



!! IMPORTANT !!

As shown above, “Uncheck” the “Remote clients support MAPI” box.

Select the “Advanced” tab.



!! IMPORTANT !!

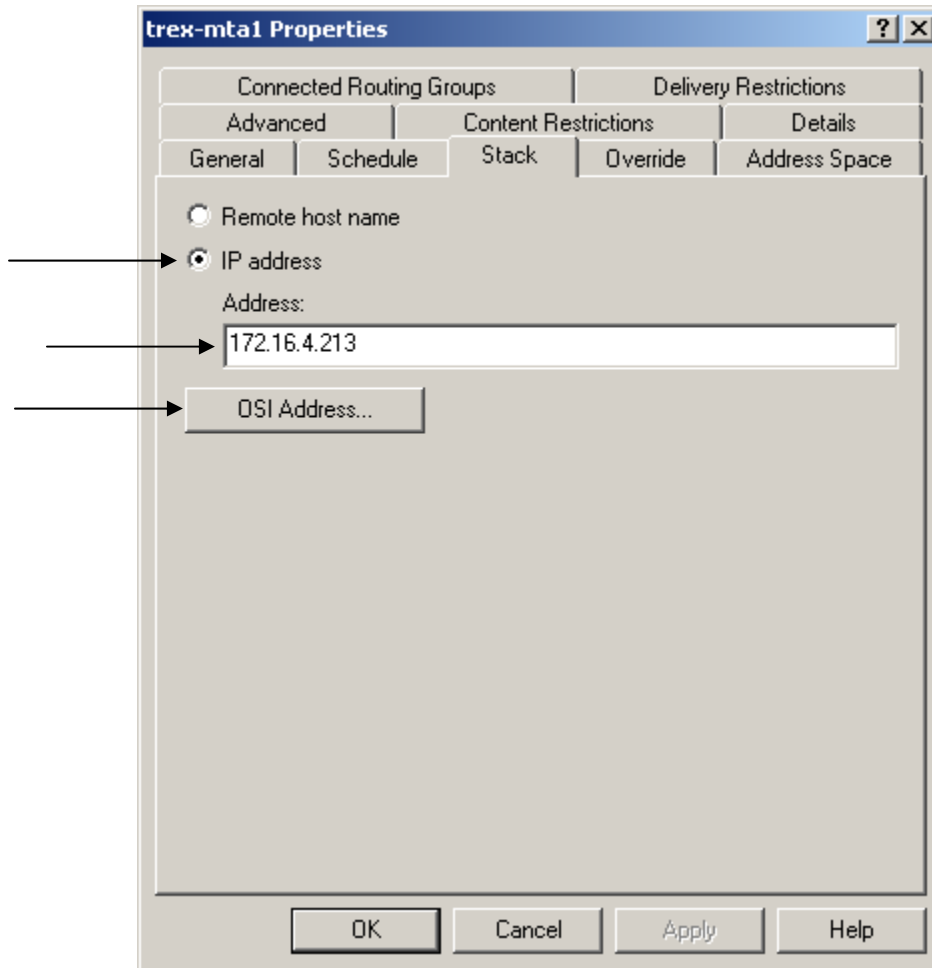
As shown above, “Uncheck” the “Allow Exchange contents” box.

As shown above, “Uncheck” the “Two-way alternate” box.

Select the “Stack” tab.

Select “IP address”

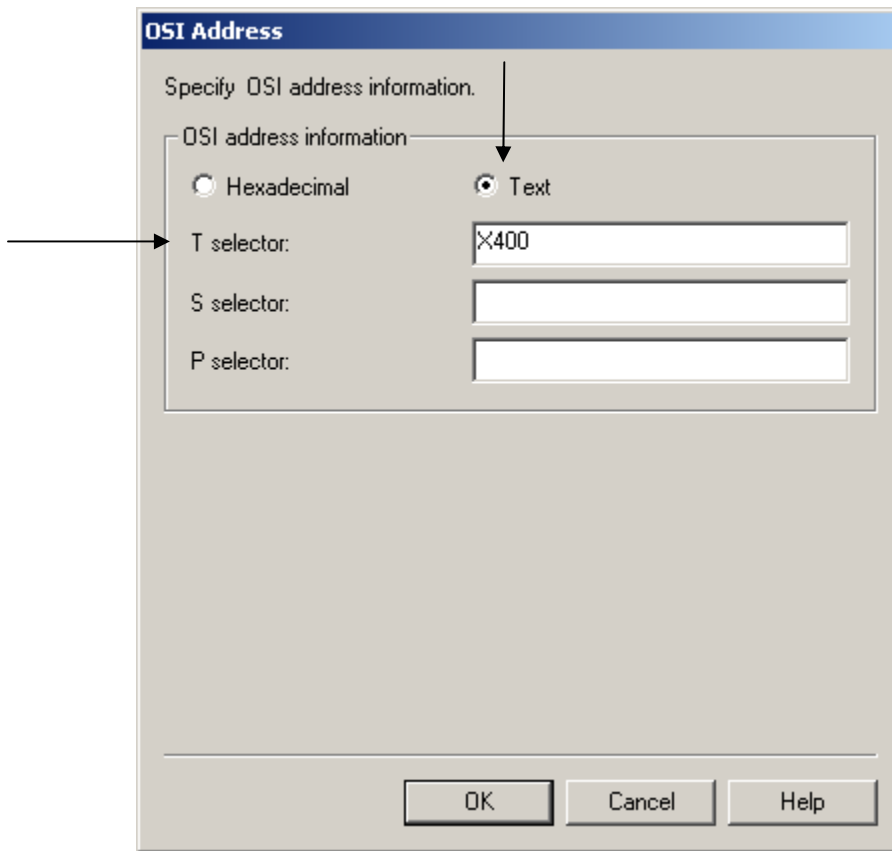
Enter the “IP Address” of the remote MTA



Select the “OSI Address” tab

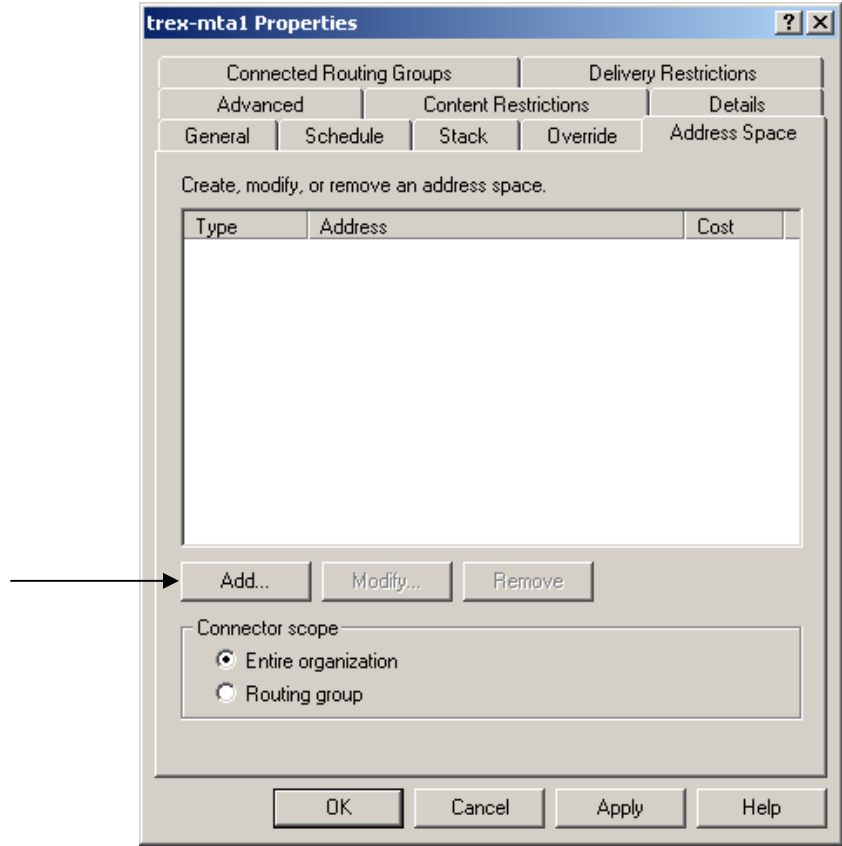
The “OSI Address” dialog box is displayed.

Select “Text” → Enter “T selector” value of “X400”



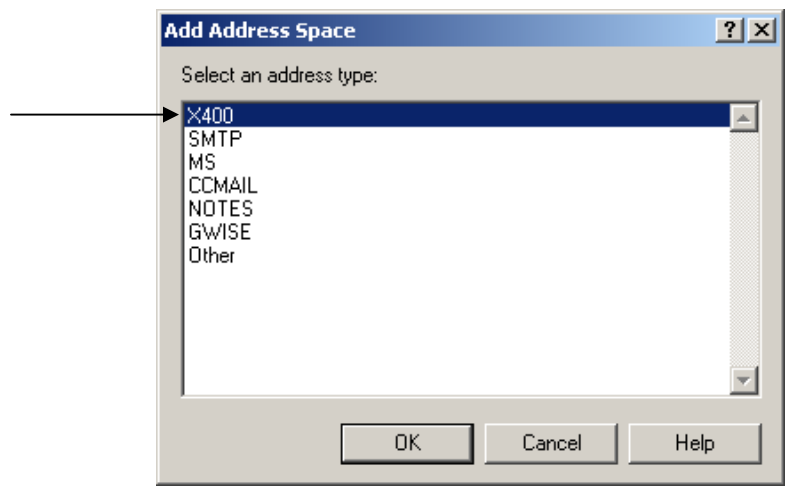
Select “OK” to continue

Select the "Address Space" tab.



Select "Add"

The "Add Address Space" dialog box is displayed.



Select "address type" "X400" → select "OK" to continue.

The "Properties" dialog box is displayed.

The screenshot shows a Windows-style dialog box titled "X.400 Address Space Properties". The "General" tab is selected. At the top left, there is a pencil icon and the text "X400". Below this, there are several input fields: "Organization (o):", "Organizational units (ou):" (containing four sub-fields: "Org. unit 1 (ou1):", "Org. unit 2 (ou2):", "Org. unit 3 (ou3):", and "Org. unit 4 (ou4):"), "Private management domain name (p):", "Administrative management domain name (a):", "Country/Region (c):" (a dropdown menu), and "Cost:" (a text box containing the number "1"). At the bottom, there are four buttons: "OK", "Cancel", "Apply", and "Help".

Enter the applicable information as exemplified below.

Example 1 – Connection to MTA where the routing rule is defined as:

- Administrative management domain name (a): <space>
- Country/Region (c): US

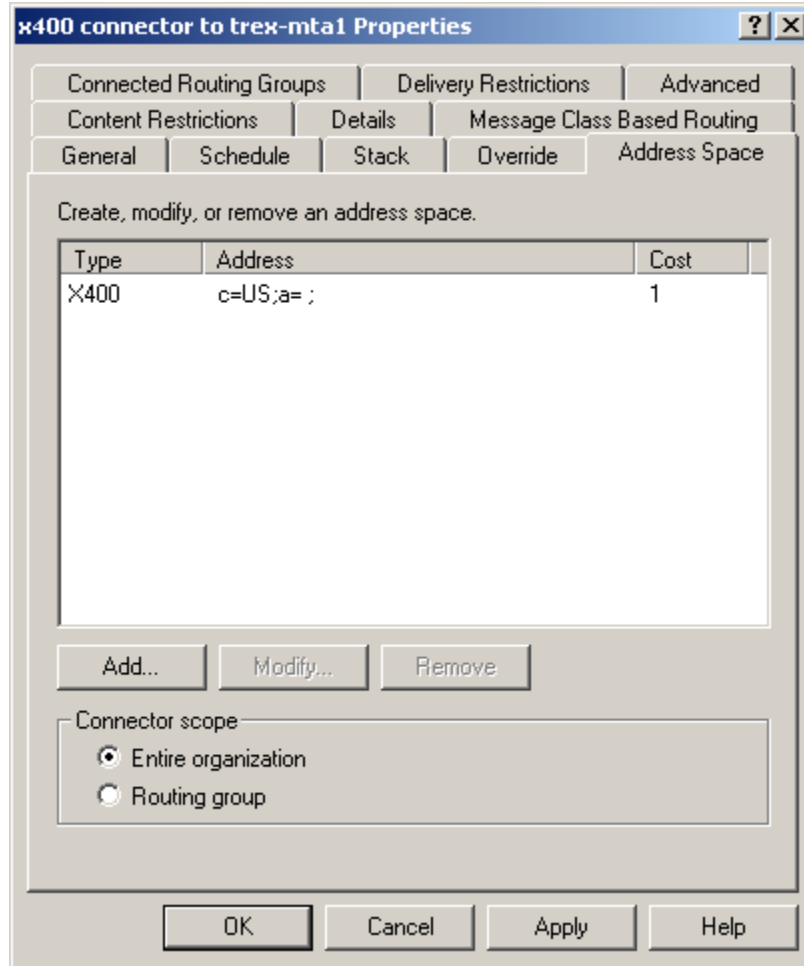
The screenshot shows the 'X.400 Address Space Properties' dialog box with the 'General' tab active. The 'Administrative management domain name (a)' field is empty, and the 'Country/Region (c)' dropdown is set to 'US'. Two arrows point to these fields from the left. The 'Cost' field is set to '1'. The 'Organization (o)' and 'Organizational units (ou)' fields are also visible.

!! IMPORTANT !!

For the “Administrative management domain name (a)” press the “space bar”.

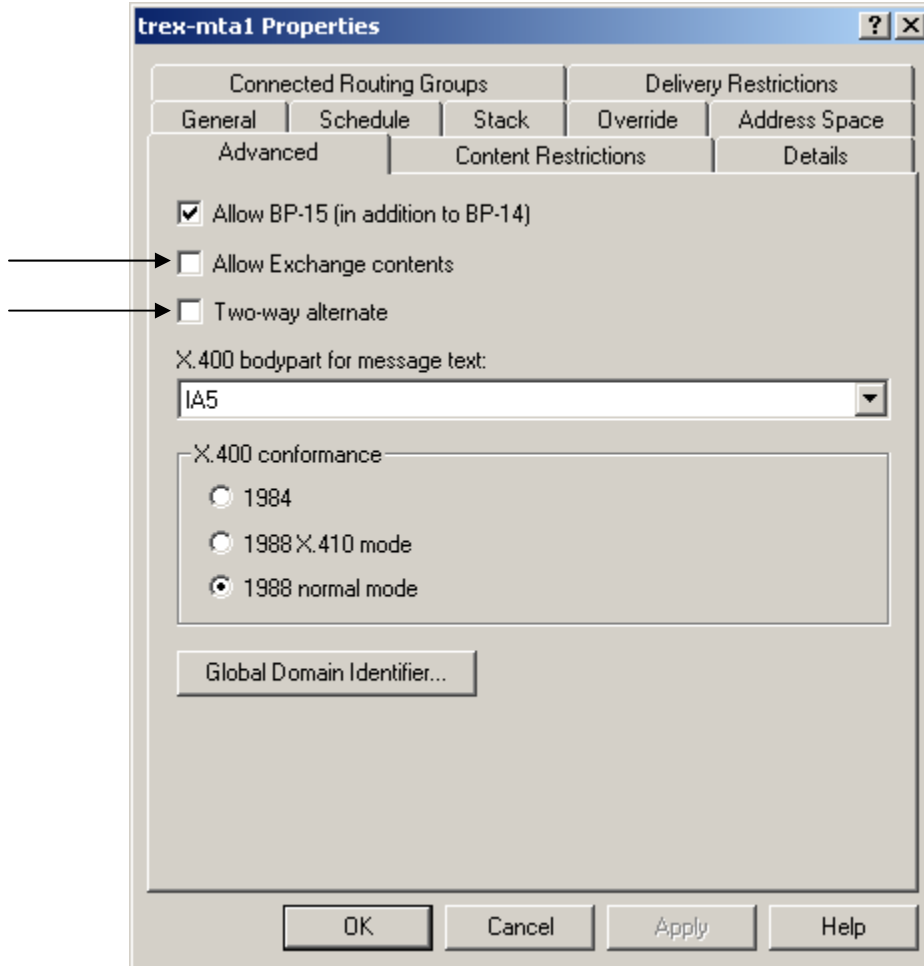
Select “Apply” → select “OK” to continue

The “Properties” box is displayed.



Select “Apply” → select “OK” to continue

Select the “Advanced” tab:



!! IMPORTANT !!

Verify that the “Allow Exchange contents” box and “Two-way alternate” boxes are NOT checked.

Select “OK” to continue

Example 2 - Country/Region is Australia (AU):

- Administrative management domain name (a): <space>
- Country/Region (c): AU

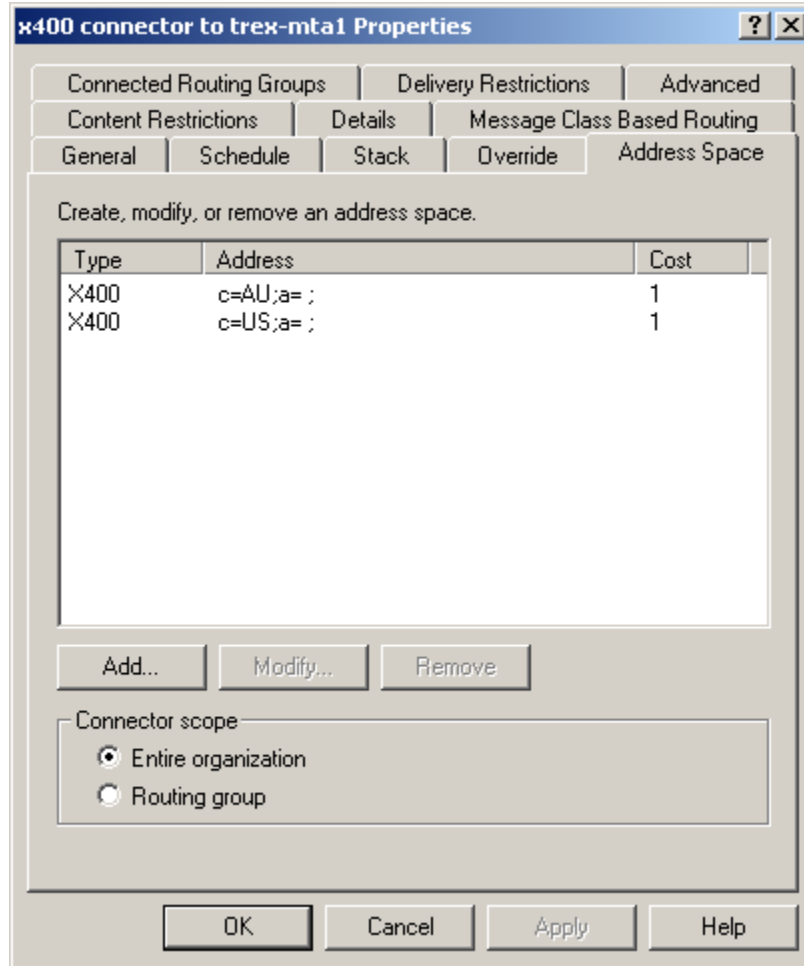
The screenshot shows the 'X.400 Address Space Properties' dialog box with the 'General' tab active. The 'Administrative management domain name (a)' field is empty, and the 'Country/Region (c)' dropdown menu is set to 'AU (Australia)'. Two arrows point to these fields from the left. The 'Cost' field is set to '1'. Other fields include 'Organization (o)', 'Organizational units (ou)' (with four sub-fields), and 'Private management domain name (p)'. The 'OK', 'Cancel', 'Apply', and 'Help' buttons are at the bottom.

!! IMPORTANT !!

For the “Administrative management domain name (a)” press the “space bar”.

Select “Apply” → select “OK” to continue

The "Properties" box is displayed.



Select "Apply" → select "OK" to continue

Example 3 – Direct Connection to a Remote X400 System (No MTA Connection)

- Organization (o): Exchange
- Private management domain name (p): BA4
- Administrative management domain name (a): <space>
- Country/Region (c): US

The screenshot shows the 'X.400 Address Space Properties' dialog box with the 'General' tab selected. The 'Organization (o):' field is set to 'Exchange'. The 'Organizational units (ou):' section contains four empty text boxes for 'Org. unit 1 (ou1)', 'Org. unit 2 (ou2)', 'Org. unit 3 (ou3)', and 'Org. unit 4 (ou4)'. The 'Private management domain name (p):' field is set to 'BA4'. The 'Administrative management domain name (a):' field is empty. The 'Country/Region (c):' dropdown menu is set to 'US'. The 'Cost:' field is set to '1'. Arrows point to the 'Organization (o):', 'Private management domain name (p):', 'Administrative management domain name (a):', and 'Country/Region (c):' fields.

!! IMPORTANT !!

For the “Administrative management domain name (a)” press the “space bar”.

Select “Apply” → select “OK” to continue

The "Properties" box is displayed.

The screenshot shows a Windows-style dialog box titled "X.400 Address Space Properties". The "General" tab is selected. The dialog contains the following fields and controls:

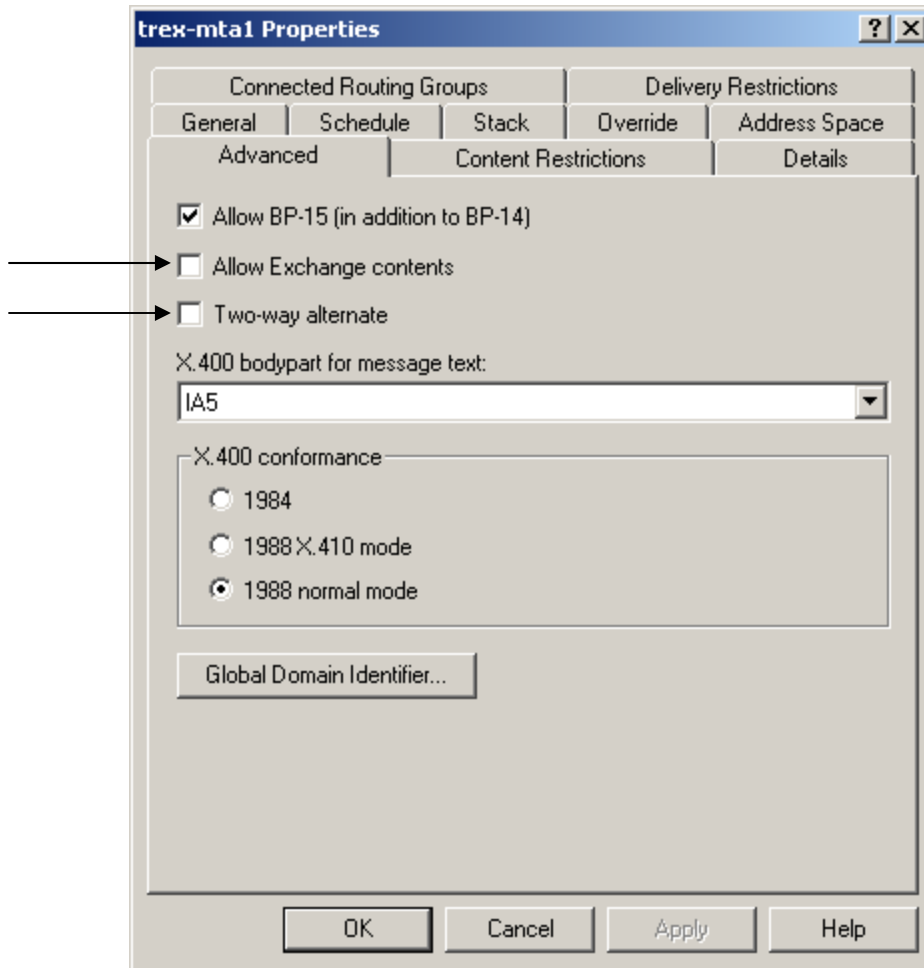
- Organization (o):** A text box containing "Exchange".
- Organizational units (ou):** A container with four text boxes labeled "Org. unit 1 (ou1)", "Org. unit 2 (ou2)", "Org. unit 3 (ou3)", and "Org. unit 4 (ou4)". All are currently empty.
- Private management domain name (p):** A text box containing "ba4".
- Administrative management domain name (a):** An empty text box.
- Country/Region (c):** A dropdown menu with "US" selected.
- Cost:** A text box containing "1".

At the bottom of the dialog are four buttons: "OK", "Cancel", "Apply", and "Help".

Select "Apply" → select "OK" to continue

Regardless if the “X400 Connector” is to a “MTA” or direct to a remote X400 system:

Select the “Advanced” tab



!! IMPORTANT !!

Verify that the “Allow Exchange contents” box and “Two-way alternate” boxes are NOT checked.

Select “OK” to continue

Verify the MTA (or the remote X400 system) for the correct parameters and settings.

If this is a Parent/Child domain you must establish the “Connected Routing Groups” as detailed on the following page.

Otherwise... Exit the “System Manager”.

Establishing “Connected Routing Groups” in a Parent/Child Domain

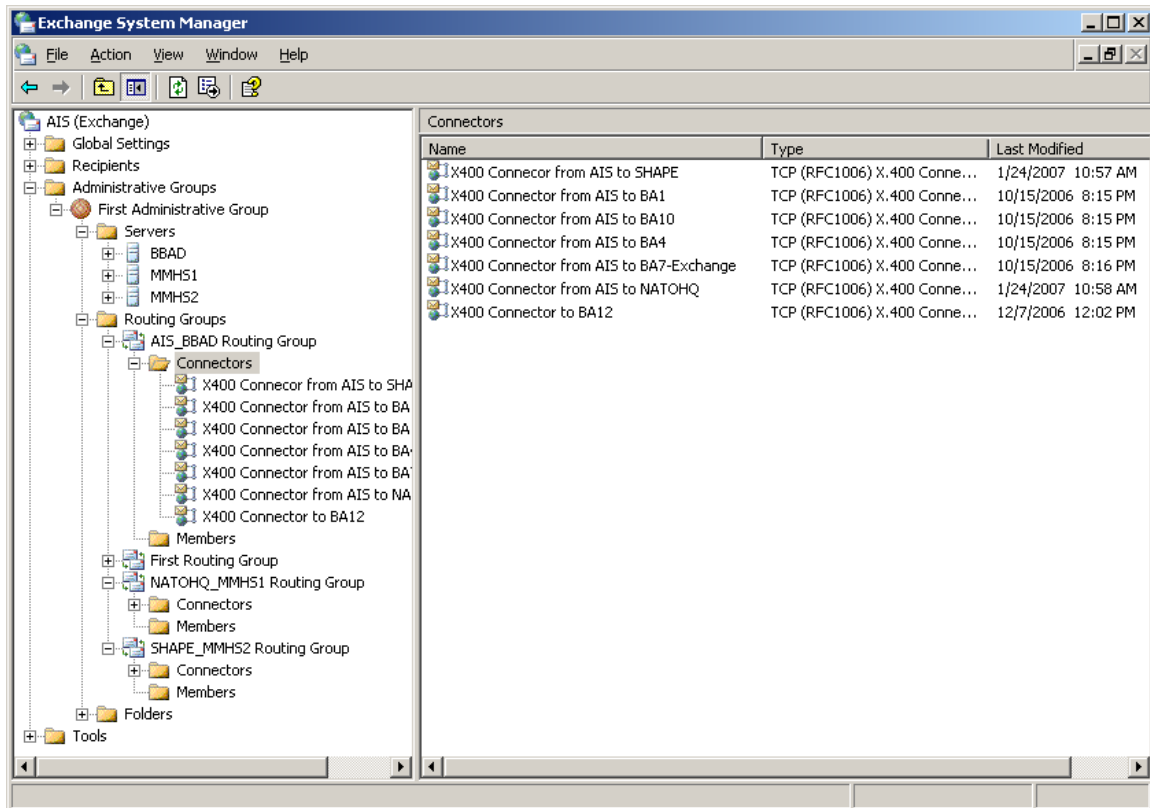
For each X400 connector in a Parent/Child domain the “Connected Routing Group” must be defined for each Node within the Parent/Child domain:

400 connectors to domains outside the Parent/Child domain DO NOT have the “Connected Routing Group” defined.

Within the “AIS_BBAD Routing Group > Connectors” several X400 connectors have been created.

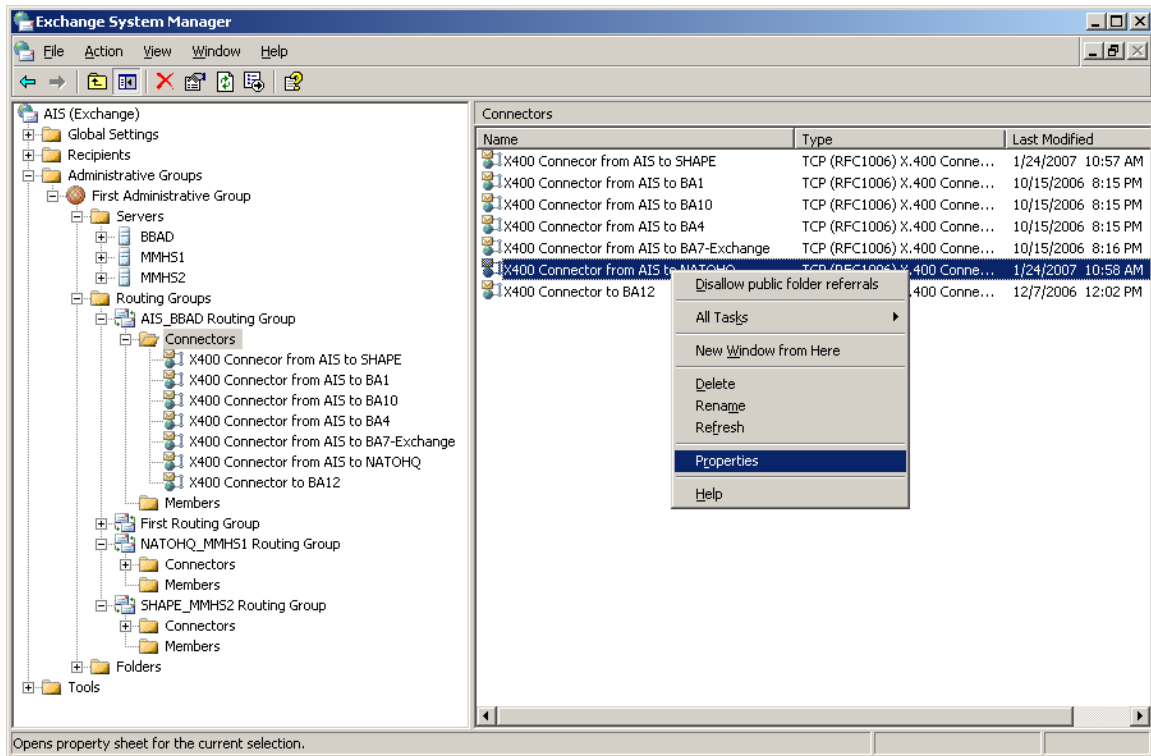
Two of the connectors are for systems within the same domain as “AIS_BBAD Routing Group”:

- X400 Connector from AIS to SHAPE
- X400 Connector from AIS to NATOHQ



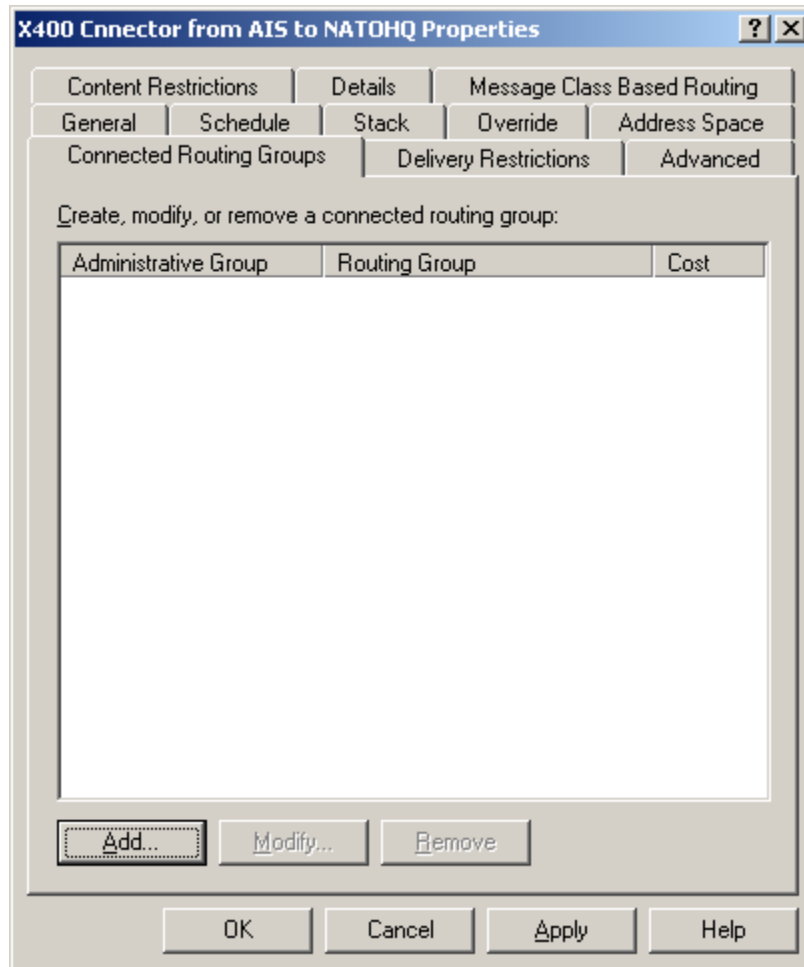
Select and right click the applicable X400 connector and select Properties

In this example the “X400 Connector from AIS to NATOHQ” has been selected.



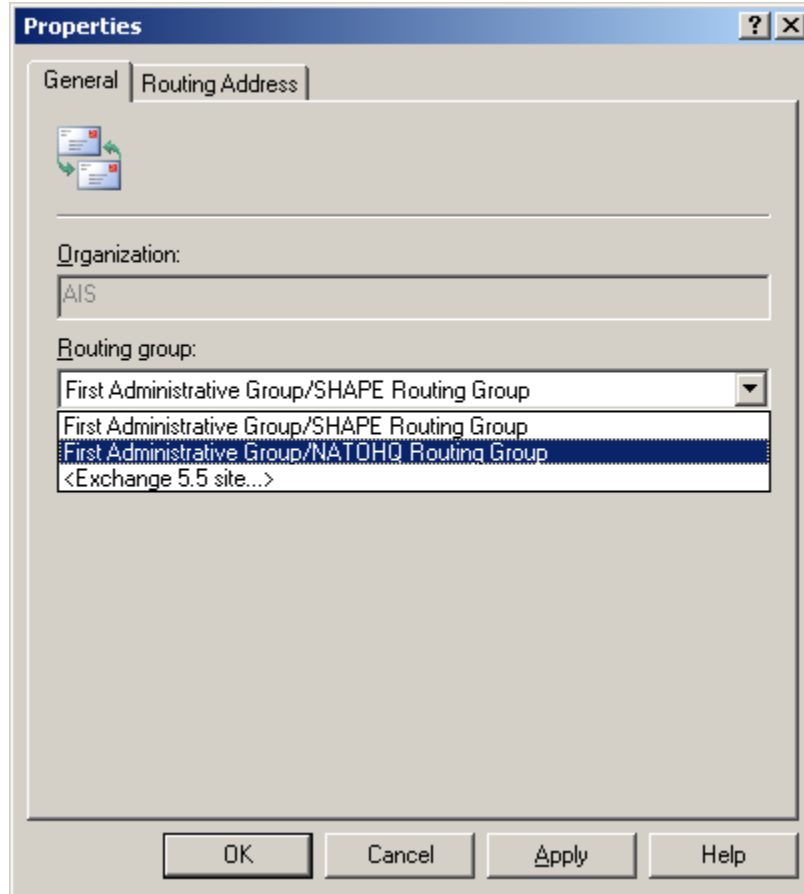
The “X400 Connector from AIS to NATOHQ Properties” dialog box is displayed.

Select the “Connected Routing Groups” tab



Select “Add”

The “Properties” dialog box is display.



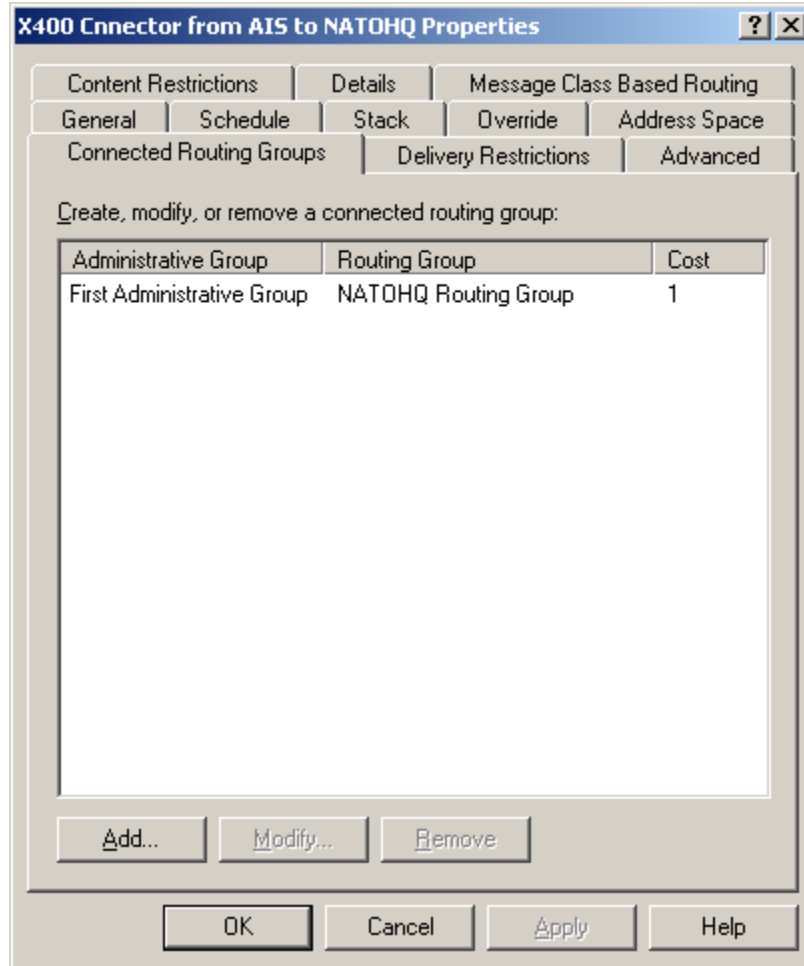
Select the “Routing group” pull down menu and select the applicable Routing Group (i.e. First Administrative Group/NATOHQ Routing Group)

IMPORTANT:

If you do not select the correct “Routing Group” messages will not route correctly.

Select “OK” to continue

The “X400 Connector” dialog box is displayed with the just added routing group.



Select “OK” to continue.

Complete this procedure for each X400 connector within the Parent/Child domain: X400 Connectors under each applicable “Routing Group”.