

Configuring Envelope Journaling for Microsoft Exchange Server 2007 and 2010

<https://campus.barracuda.com/doc/2490434/>

This article refers to [Barracuda Message Archiver Legacy Release](#) firmware or higher, and a Microsoft Exchange Server 2007 and 2010.

If you are migrating to a newer version of Exchange Server, refer to [Barracuda Message Archiver and Microsoft Exchange Server Migration](#).

Depending on your Client Access Licenses (CALs), you may need to apply these rules at the mail server level rather than the hub transport level. For more information, see the Microsoft TechNet article [Overview of Compliance Features](#).

Register Each Exchange Server as a Trusted SMTP Server

To ensure that journaled message archiving begins as soon as your Exchange Servers are configured to send them, register each Exchange Server as a Trusted SMTP Server with the Barracuda Message Archiver (on the **Mail Sources > SMTP** page) prior to configuring your Exchange Servers. Also see [Understanding SMTP Forwarding and Trusted Servers](#).

Once the Barracuda Message Archiver is configured to receive SMTP traffic, you must complete the following from the Exchange Management Console (EMC) of each Exchange Server that will be journaling directly into the Barracuda Message Archiver:

- **From Recipient Configuration** – Create a Mail Contact that is to act as the recipient of all journaled messages.
- **From Organization Configuration > Hub Transport** – Create the following items:
 - a (non-routable) **Remote Domain**, to act as the recipient domain for journaled traffic
 - a **Send Connector**, for routing journaled messages
 - a **Journaling Rule** to actually enable journaling on your Exchange Server

Configure the Barracuda Message Archiver

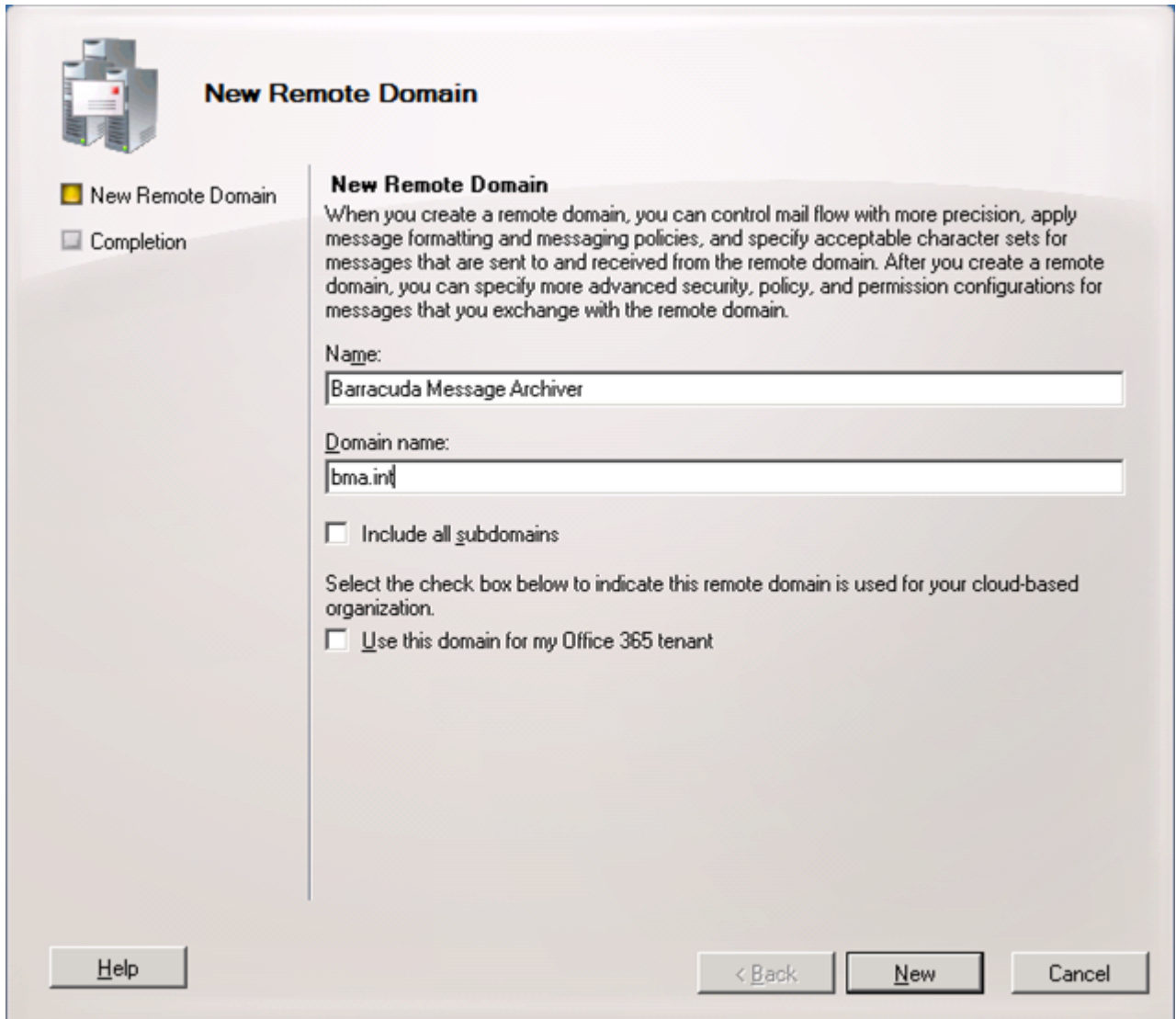
On the Barracuda Message Archiver, use the the following steps to enable SMTP forwarding:

1. Go to the **Mail Sources > SMTP** page.
2. In the **Trusted SMTP Servers** section, enter the IP address of each Exchange Server that is to journal directly to the Barracuda Message Archiver.

Create a Remote Domain

The Remote Domain must be a non-existent or externally non-routable and unresolvable domain, from either inside or outside your organization, and must match the Mail Contact that is the recipient of journaled messages as it is used by the Exchange Server for routing all SMTP Journal traffic. Use the following steps to create a remote domain:

1. Open the **EMC**, expand **Organization Configuration**, select **Hub Transport**, and click the **Remote Domains** tab in the center pane.
2. In the **Actions** panel in the right pane, click **New Remote Domain**. The **New Remote Domain** dialog displays.
3. Enter a **Name** to describe the domain, and the actual **Domain name** you want to use. In this example, *bma.int* is the "fake" domain name that is used. You will use this domain name later when creating the Mail Contact:



New Remote Domain

☒ New Remote Domain
☐ Completion

New Remote Domain
When you create a remote domain, you can control mail flow with more precision, apply message formatting and messaging policies, and specify acceptable character sets for messages that are sent to and received from the remote domain. After you create a remote domain, you can specify more advanced security, policy, and permission configurations for messages that you exchange with the remote domain.

Name:
Barracuda Message Archiver

Domain name:
bma.int

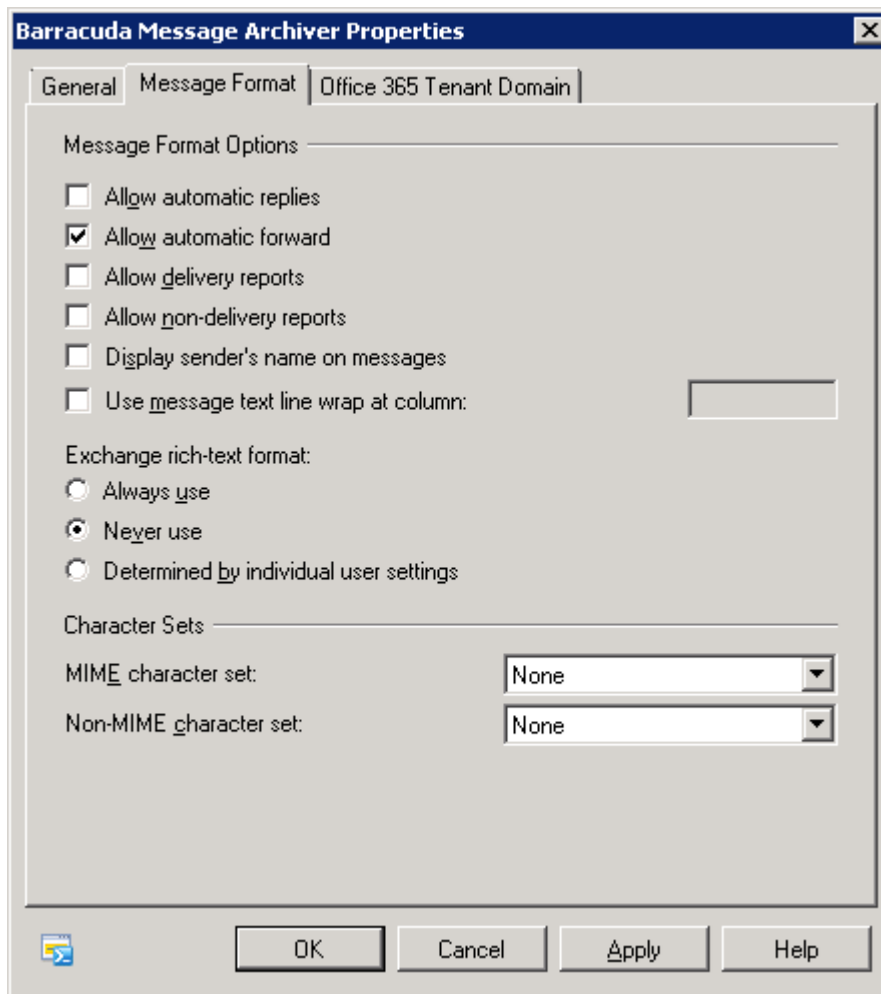
☐ Include all subdomains

Select the check box below to indicate this remote domain is used for your cloud-based organization.

☐ Use this domain for my Office 365 tenant

Help < Back New Cancel

4. Click **New** to verify the domain settings, and click **Finish** to save your settings. The newly created domain displays in the **Remote Domains** list.
5. Double-click on the newly created domain to open the **Properties** dialog for the newly created domain, and:
 - In Exchange 2007, select **Format of original message sent as attachment to the journal report**.
 - In Exchange 2010, select the **Message Format** tab in the **Properties** dialog box.
6. Select the following options to ensure journal messages sent to this domain are *MIME Plain Text* format (rather than the unsupported *Exchange Rich Text* format):
 - In the **Message Format Options** section, turn on **Allow automatic forward**.
 - In the **Exchange rich-text format** section, select **Never Use**:



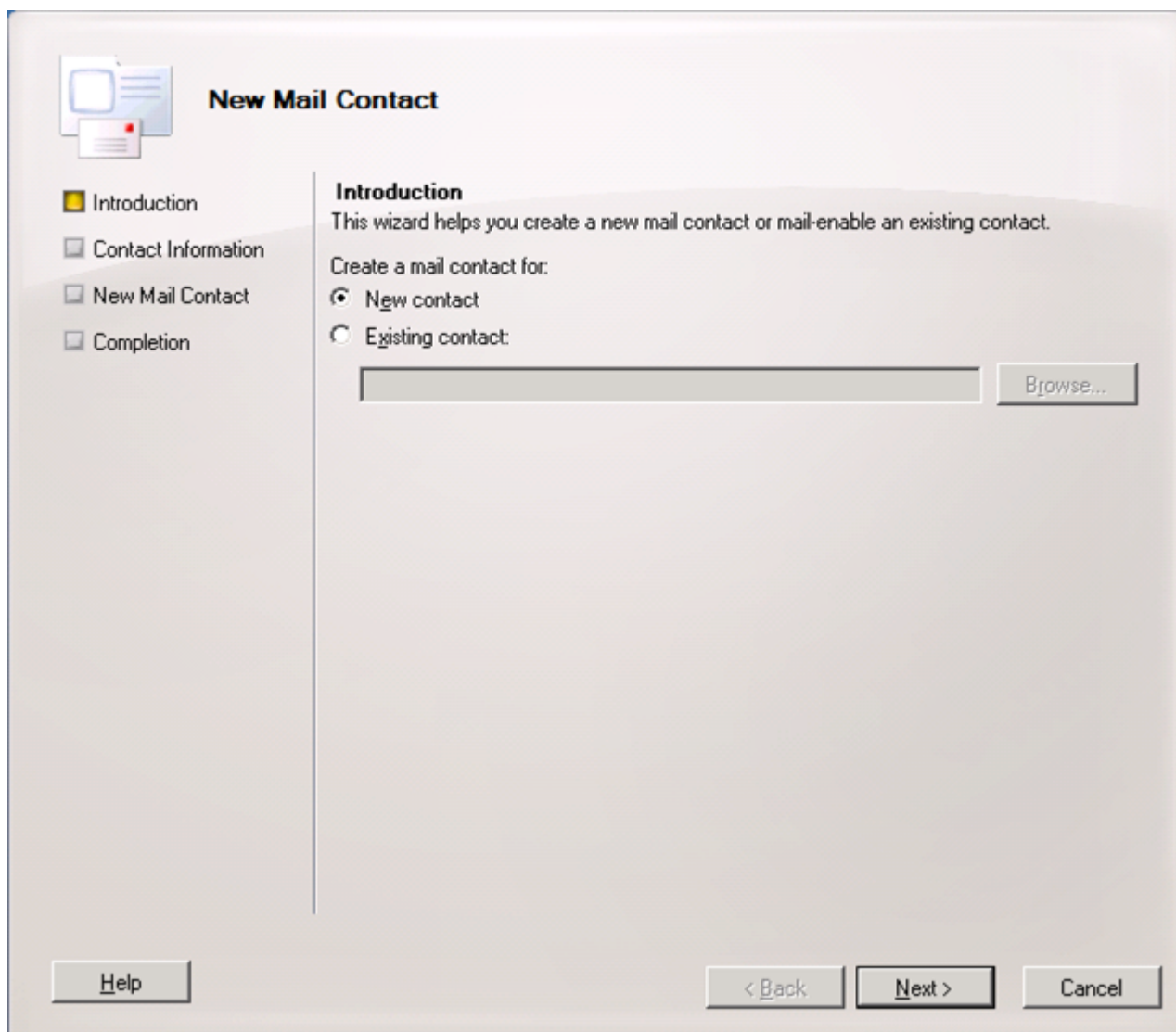
Verify that only **Never use** and **Allow automatic forward** are selected in the dialog box.

7. Click **Apply** to save your settings, and click **OK** to close the **Properties** dialog.

Create a Mail Contact

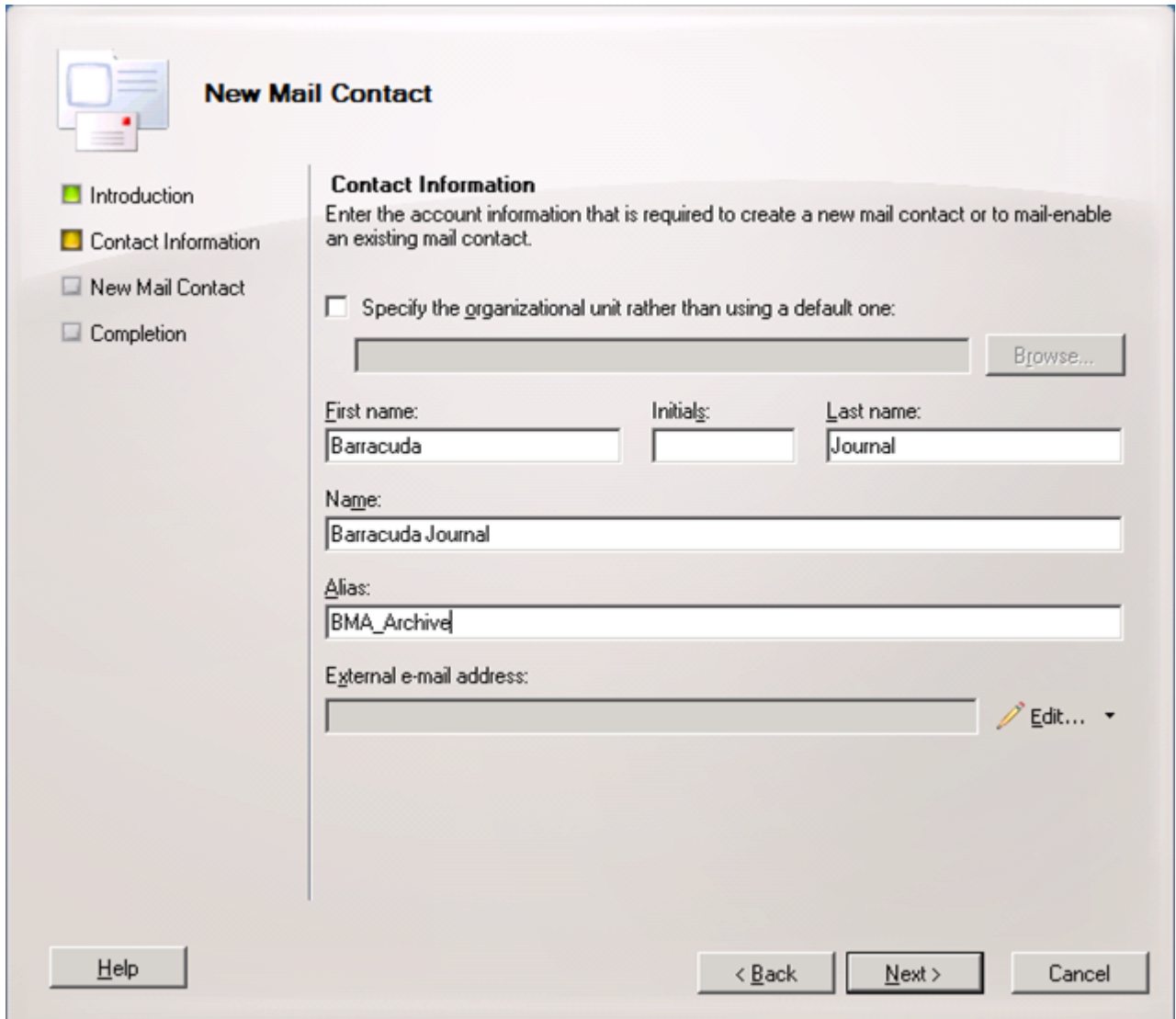
The Mail Contact is the account that is to act as a "holding location" for journaled messages. The email address associated with this account is the designated recipient, and should be associated with a non-routable "dummy" domain name. Use the following steps to create a Mail Contact:

1. In the **EMC**, expand **Recipient Configuration**, select **Mail Contact**, and in the **Actions** panel, click **New Mail Contact**:



The image shows a 'New Mail Contact' wizard dialog box. On the left, there is a vertical list of steps: 'Introduction' (selected with a yellow square), 'Contact Information' (unselected), 'New Mail Contact' (unselected), and 'Completion' (unselected). The main area is titled 'Introduction' and contains the text: 'This wizard helps you create a new mail contact or mail-enable an existing contact.' Below this, it says 'Create a mail contact for:' followed by two radio button options: 'New contact' (selected) and 'Existing contact:'. Under 'Existing contact:', there is a text input field and a 'Browse...' button. At the bottom of the dialog, there are three buttons: 'Help', '< Back', and 'Next >', and a 'Cancel' button on the far right.

2. In the dialog, select **New Contact**, and click **Next**.
3. Enter a **First name** and **Last name**; the **Name** field automatically populates based on the entered values. Enter an **Alias**:



New Mail Contact

☒ Introduction
☒ Contact Information
☐ New Mail Contact
☐ Completion

Contact Information
Enter the account information that is required to create a new mail contact or to mail-enable an existing mail contact.

☐ Specify the organizational unit rather than using a default one:
[] Browse...

First name: [Barracuda] Initials: [] Last name: [Journal]

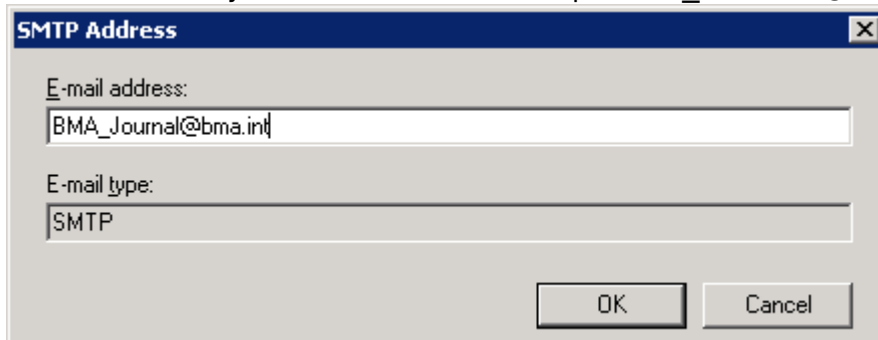
Name: [Barracuda Journal]

Alias: [BMA_Archive]

External e-mail address: [] Edit...

Help < Back Next > Cancel

4. Click **Edit** to the right of the **External e-mail address** field, and in the **SMTP Address** dialog, enter the delivery email address, for example, `BMA_Journal@bma.int`:



SMTP Address

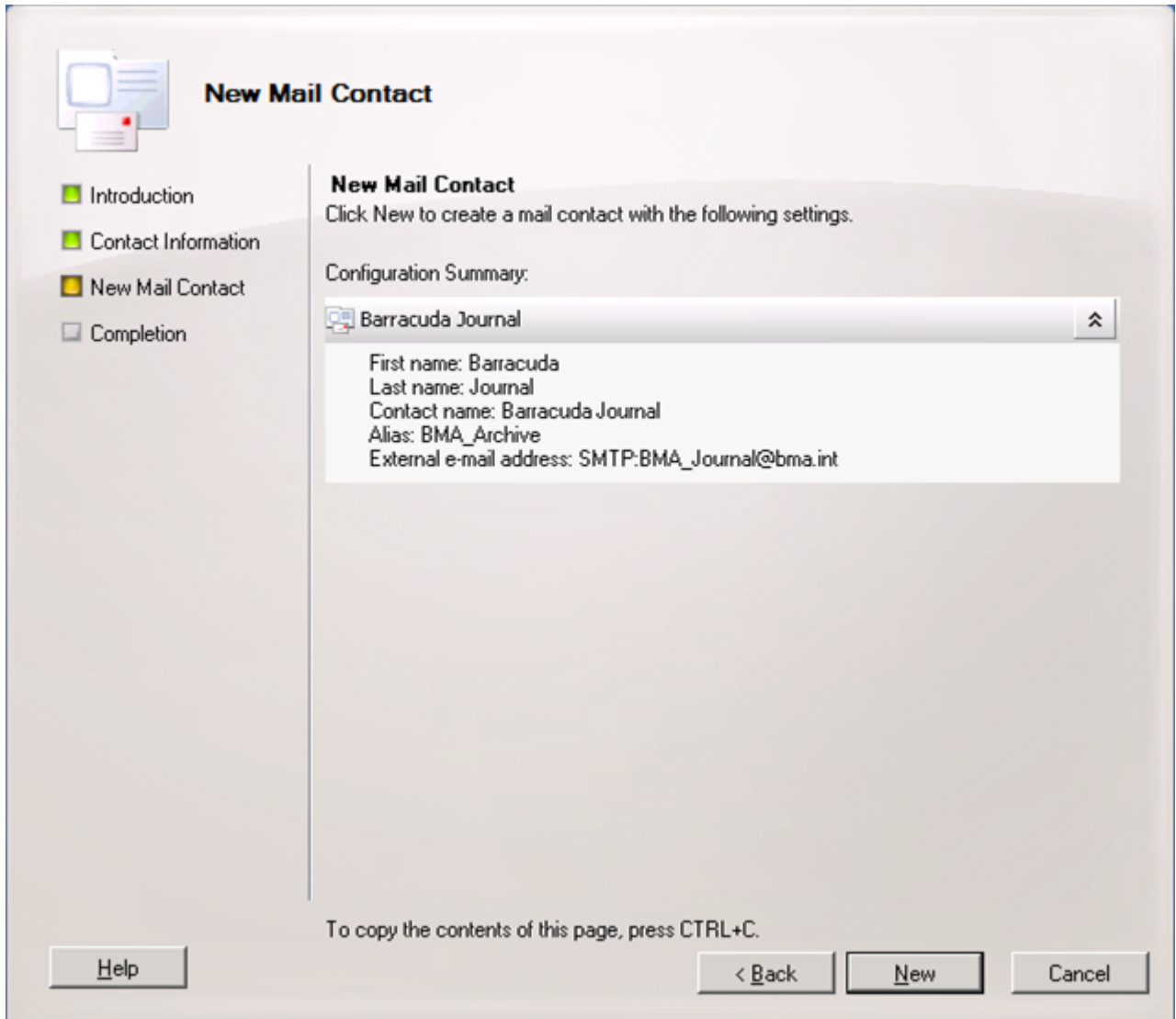
E-mail address: [BMA_Journal@bma.int]

E-mail type: [SMTP]

OK Cancel

The account name can be anything you want, but the domain name *must match* what you created in the preceding section, **Create a Remote Domain**.

5. Click **OK** to close the dialog box. In the Wizard, click **Next** to verify the information:



New Mail Contact

Click New to create a mail contact with the following settings.

Configuration Summary:

Barracuda Journal

First name: Barracuda
Last name: Journal
Contact name: Barracuda Journal
Alias: BMA_Archive
External e-mail address: SMTP:BMA_Journal@bma.int

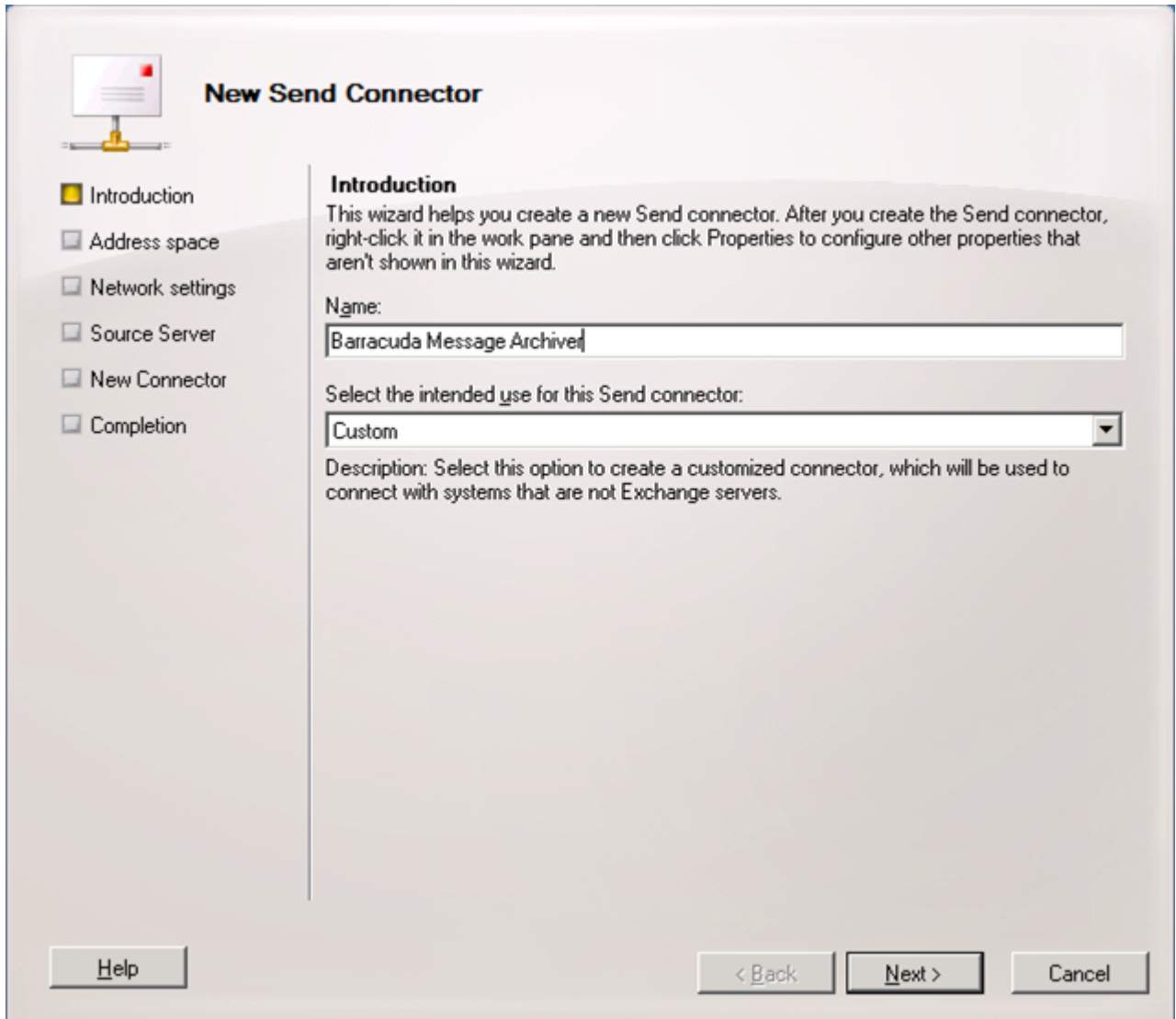
To copy the contents of this page, press CTRL+C.

[Help](#) [< Back](#) [New](#) [Cancel](#)

6. Click **New** to create the Mail Contact. The newly-created contact appears in the **Mail Contact** list. Click **Finish** to close the Wizard.

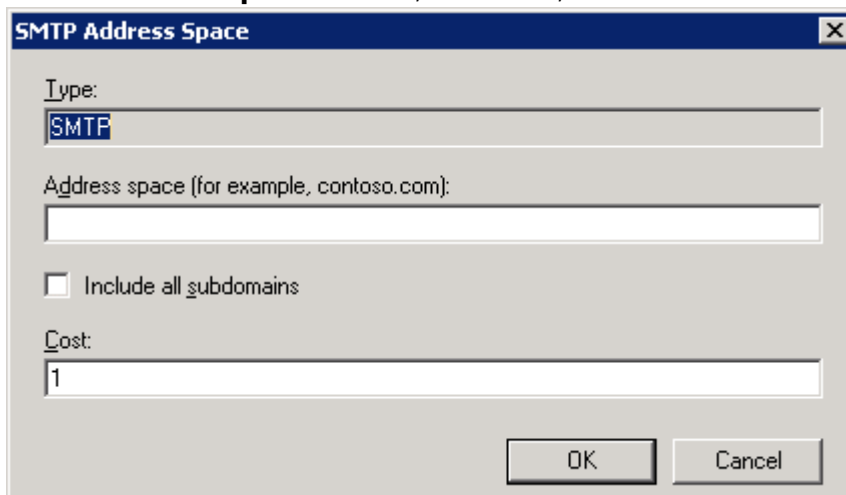
Create a Send Connector

1. In the **EMC**, expand **Organization Configuration**, select **Hub Transport**, and select the **Send Connector** tab. In the **Actions** panel, and click **New Send Connector**. The **New Send Connector** dialog displays. Enter a **Name** to identify this send connector, e.g., Barracuda Message Archiver:



The screenshot shows the 'New Send Connector' wizard in Microsoft Exchange. The left pane shows a tree view with 'Introduction' selected. The main pane displays the 'Introduction' step, which includes a text box for 'Name' containing 'Barracuda Message Archiver' and a dropdown menu for 'Select the intended use for this Send connector' set to 'Custom'. A description at the bottom explains that 'Custom' is for non-Exchange servers. Navigation buttons at the bottom include 'Help', '< Back', 'Next >', and 'Cancel'.

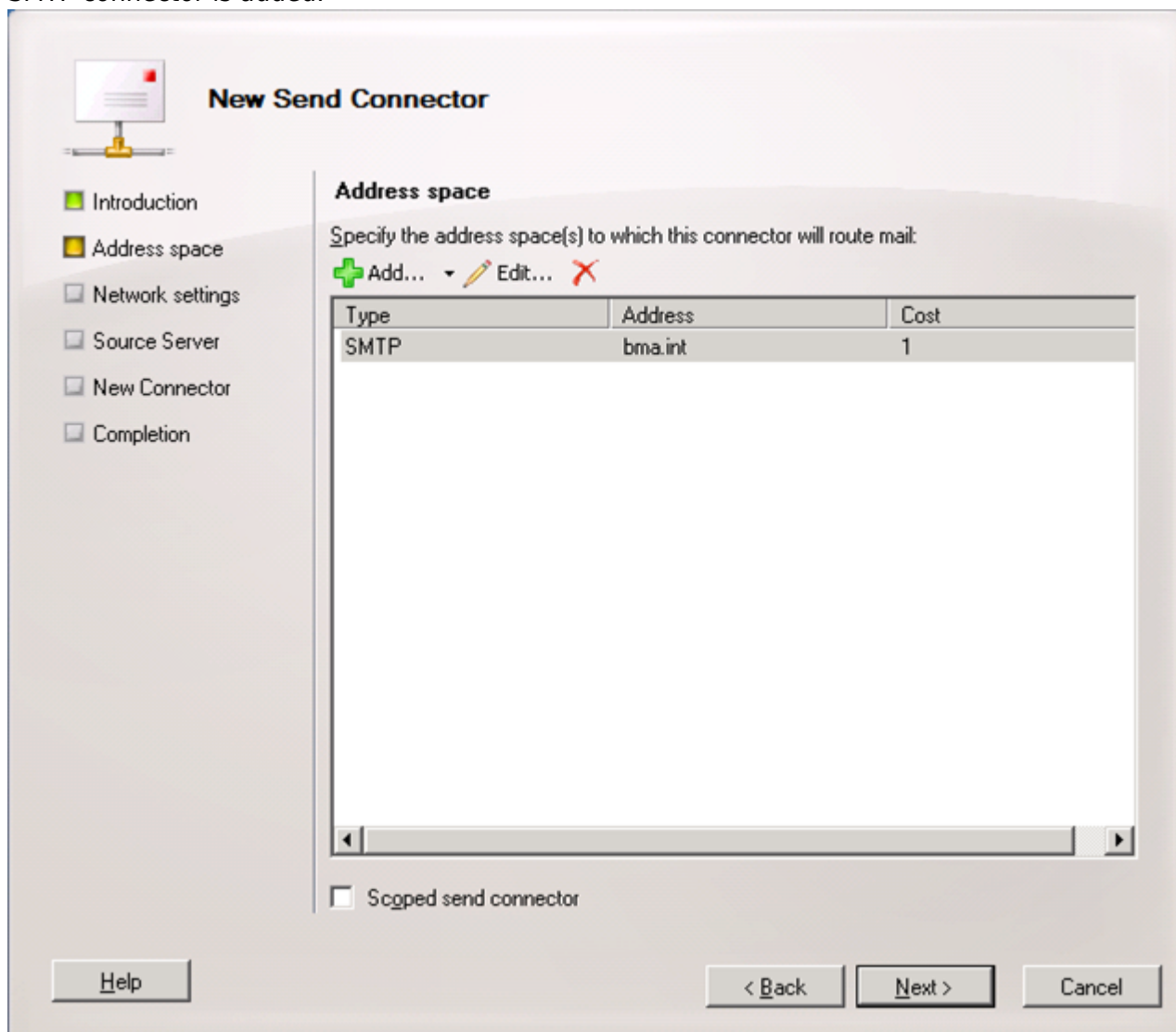
2. From the **Select the intended use for this Send connector** menu, select **Custom**, and click **Next**.
3. In the **Address Space** section, click **Add**; the **SMTP Address Space** dialog box displays:



The screenshot shows the 'SMTP Address Space' dialog box. It has a title bar with a close button. The 'Type' field is set to 'SMTP'. The 'Address space (for example, contoso.com):' field is empty. There is an unchecked checkbox for 'Include all subdomains'. The 'Cost' field is set to '1'. At the bottom are 'OK' and 'Cancel' buttons.

4. In the **Address space** field, enter the domain created earlier, e.g., bma.int, and click **OK**. The

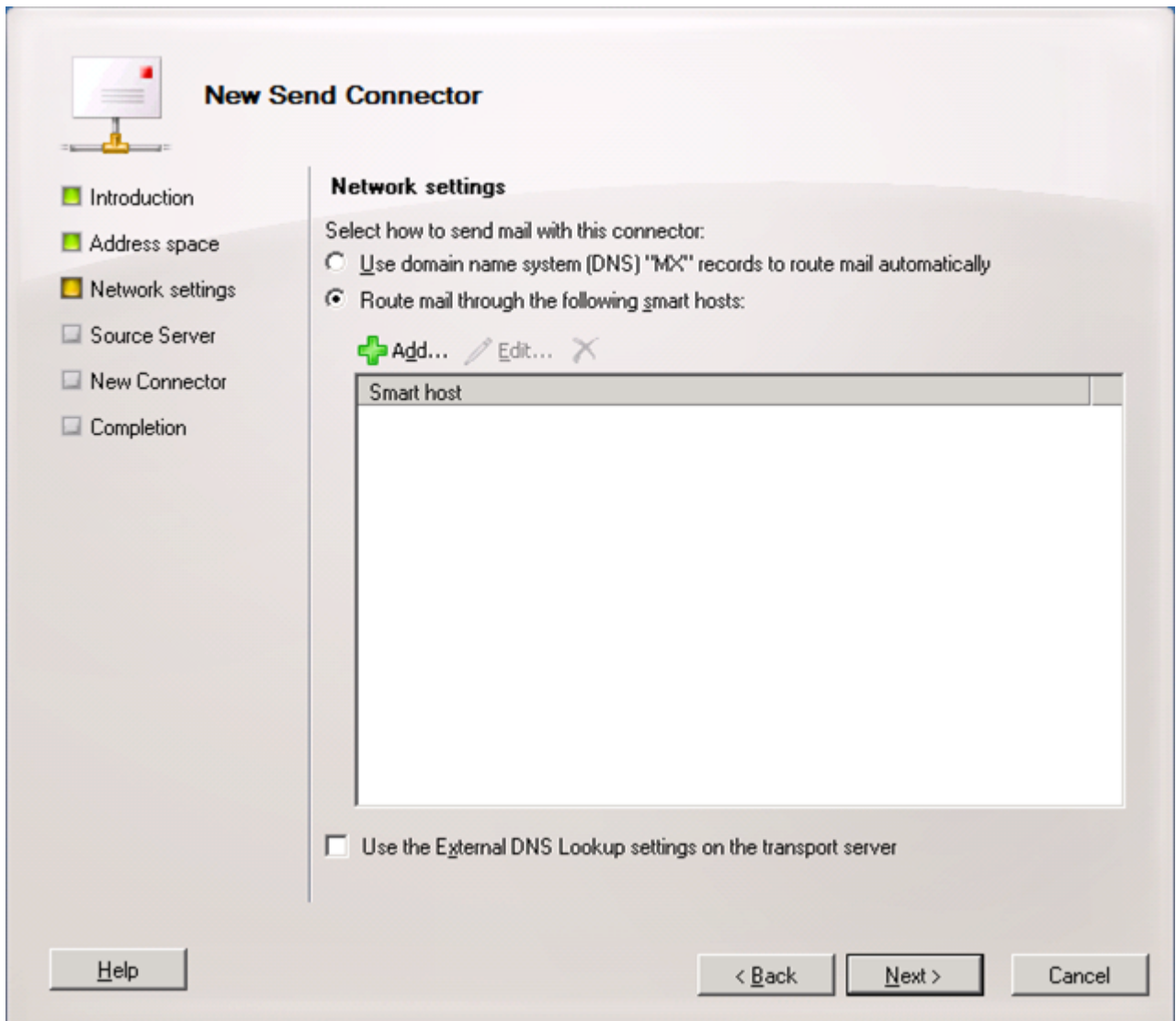
SMTP connector is added:



The screenshot shows the 'New Send Connector' wizard in Microsoft Exchange. The 'Address space' step is selected in the left-hand navigation pane. The main area is titled 'Address space' and contains the instruction 'Specify the address space(s) to which this connector will route mail:'. Below this instruction are three buttons: a green plus icon followed by 'Add...', a pencil icon followed by 'Edit...', and a red X icon. A table is displayed below these buttons, containing one row of data. The table has three columns: 'Type', 'Address', and 'Cost'. The row shows 'SMTP' as the type, 'bma.int' as the address, and '1' as the cost. At the bottom of the wizard, there is a checkbox labeled 'Scoped send connector' which is currently unchecked. The bottom of the window features four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

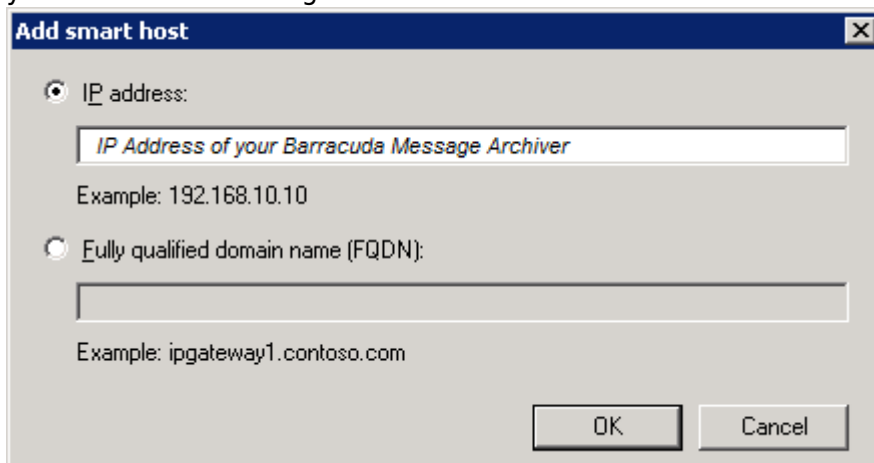
Type	Address	Cost
SMTP	bma.int	1

5. Click **Next**. Select **Route mail through the following smart host**:



The screenshot shows the 'New Send Connector' wizard in the Exchange Management Console. The 'Network settings' step is active, indicated by a yellow square in the left-hand navigation pane. The main area shows two radio button options: 'Use domain name system (DNS) "MX" records to route mail automatically' (unselected) and 'Route mail through the following smart hosts:' (selected). Below the selected option are icons for '+ Add...', 'Edit...', and 'X'. A large empty text box labeled 'Smart host' is provided for entering the smart host information. At the bottom, there is a checkbox for 'Use the External DNS Lookup settings on the transport server' which is currently unchecked. Navigation buttons at the bottom include 'Help', '< Back', 'Next >', and 'Cancel'.

6. Click **Add**. In the **Add smart host** dialog box, select **IP address**, and enter the IP address of your Barracuda Message Archiver:

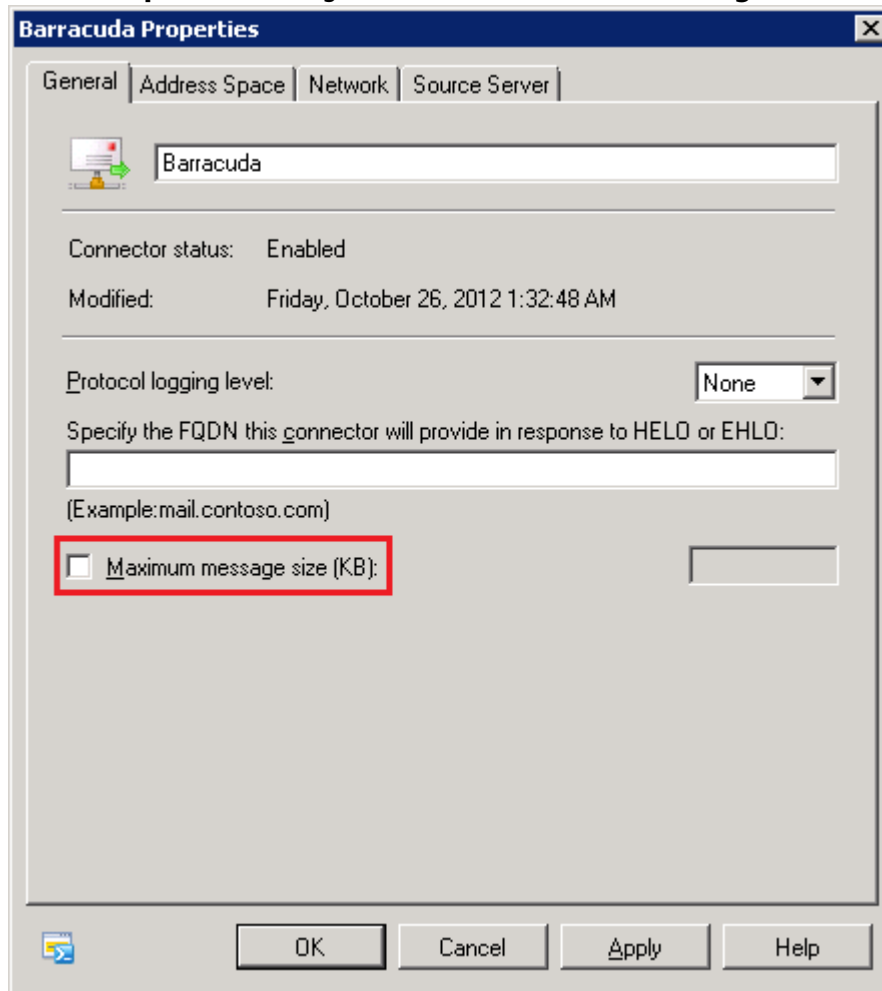


The screenshot shows the 'Add smart host' dialog box. It has two radio button options: 'IP address:' (selected) and 'Fully qualified domain name (FQDN):'. Under the 'IP address:' option, there is a text input field containing the placeholder text 'IP Address of your Barracuda Message Archiver' and an example '192.168.10.10'. Under the 'Fully qualified domain name (FQDN):' option, there is an empty text input field and an example 'ipgateway1.contoso.com'. At the bottom right, there are 'OK' and 'Cancel' buttons.

7. Click **OK** to add the IP address. Click **Next**, then click **Next** again.
8. In the **Source Server** page, if your Exchange server is not already listed, click **Add** to search for and add the server to this list. Click **Next** to verify your configuration, and click **New** to

create the Send Connector. Click **Finish** to return to the **Send Connectors** tab; the newly-created Send Connector displays in the list.

9. Right-click on the new Send Connector, and click **Properties**.
10. In the **Properties** dialog box, clear **Maximum message size (KB)**:




11. Click **Apply**, and then click **OK** to save your changes and close the dialog box.

Create a Journaling Rule

Both the Standard and Enterprise versions of Microsoft Exchange Server 2007 and 2010 support Standard and Premium Journaling. Open the EMC, and complete the following steps to add a journaling rule:

1. In the **EMC**, expand **Organization Configuration**, select **Hub Transport**, and select the **Journal Rules** tab.
2. In the **Actions** panel, click **New Journal Rule**; the **New Journal Rule** dialog displays.
3. Enter a Rule name, and for the **Send journal reports to e-mail address**, click **Browse** and navigate to and select the mail contact created in the section *Create a Mail Contact*; for example, **BMA_Journal@bma.int**:



New Journal Rule

☒ New Journal Rule
☐ Completion

New Journal Rule
This wizard helps you create a new journal rule. When enabled, the new journal rule is executed on your organization's Hub Transport servers.


Rule name:

Send Journal reports to e-mail address:

Scope:
☒ Global - all messages
☐ Internal - internal messages only
☐ External - messages with an external sender or recipient

☐ Journal messages for recipient:

☒ Enable Rule

 To use premium journaling, you must have an Exchange Enterprise Client Access License (CAL).

4. Select the Scope for archiving; the recommended setting is **Global - all messages** for the most complete coverage.
5. Turn on **Enable Rule**, click **New** to create the Journaling rule, and click **Finish** to return to the **Journal Rules** tab where the newly-created rule displays in the list.

Figures

1. newremotedomain.png
2. bmaproperties.png
3. newmailcontact.png
4. newmailcontact2.png
5. smtp_address.png
6. newmailcontact3.png
7. newsendconnector.png
8. smtpaddressspace.png
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11. add_smart_host.png
12. send_connector_properties.png
13. newjournalrule.png

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