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

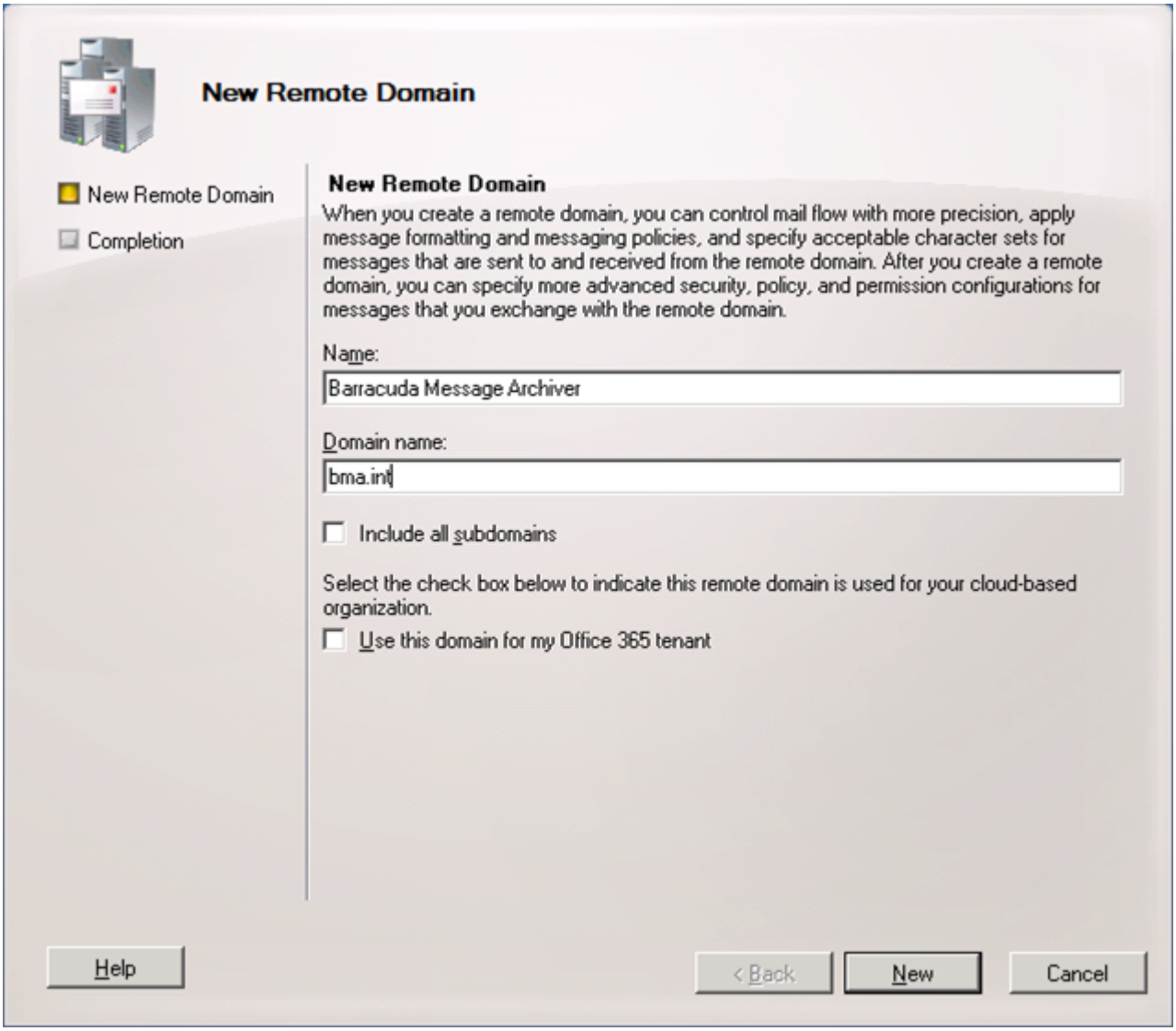
On the Barracuda Message Archiver, use the the following steps to enable SMTP forwarding:

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.

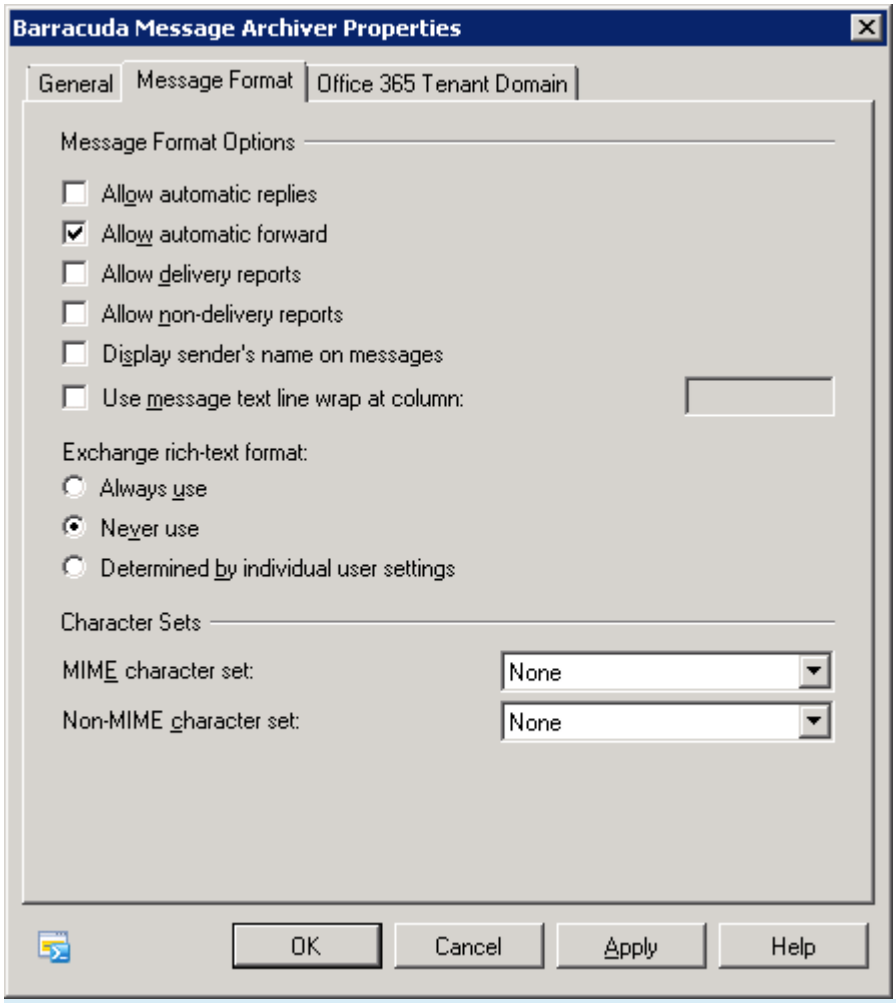
Create a Remote Domain

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:



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**:



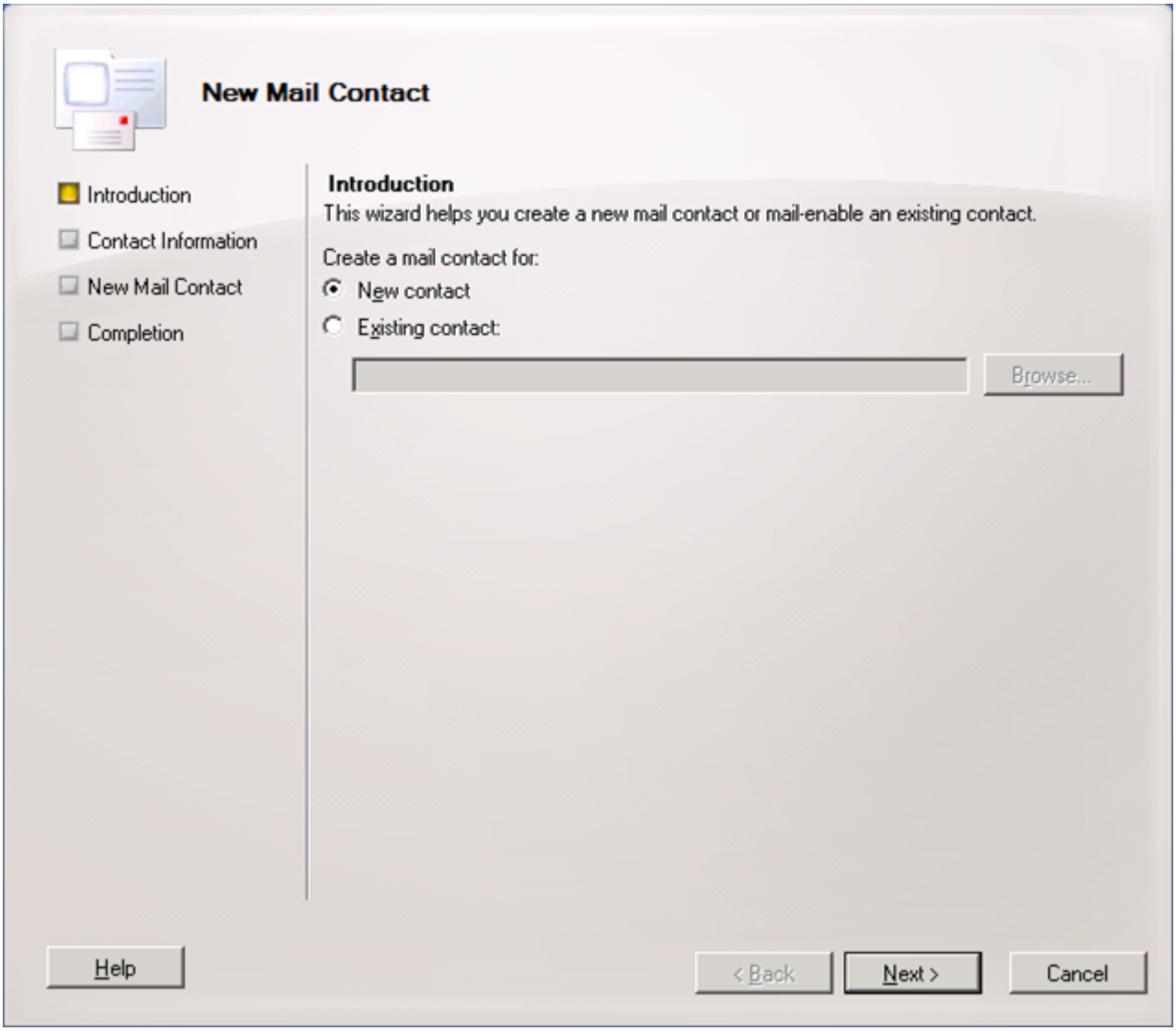
Verify that only **Never use** and **Allow automatic forward** are selected in the dialog box.

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

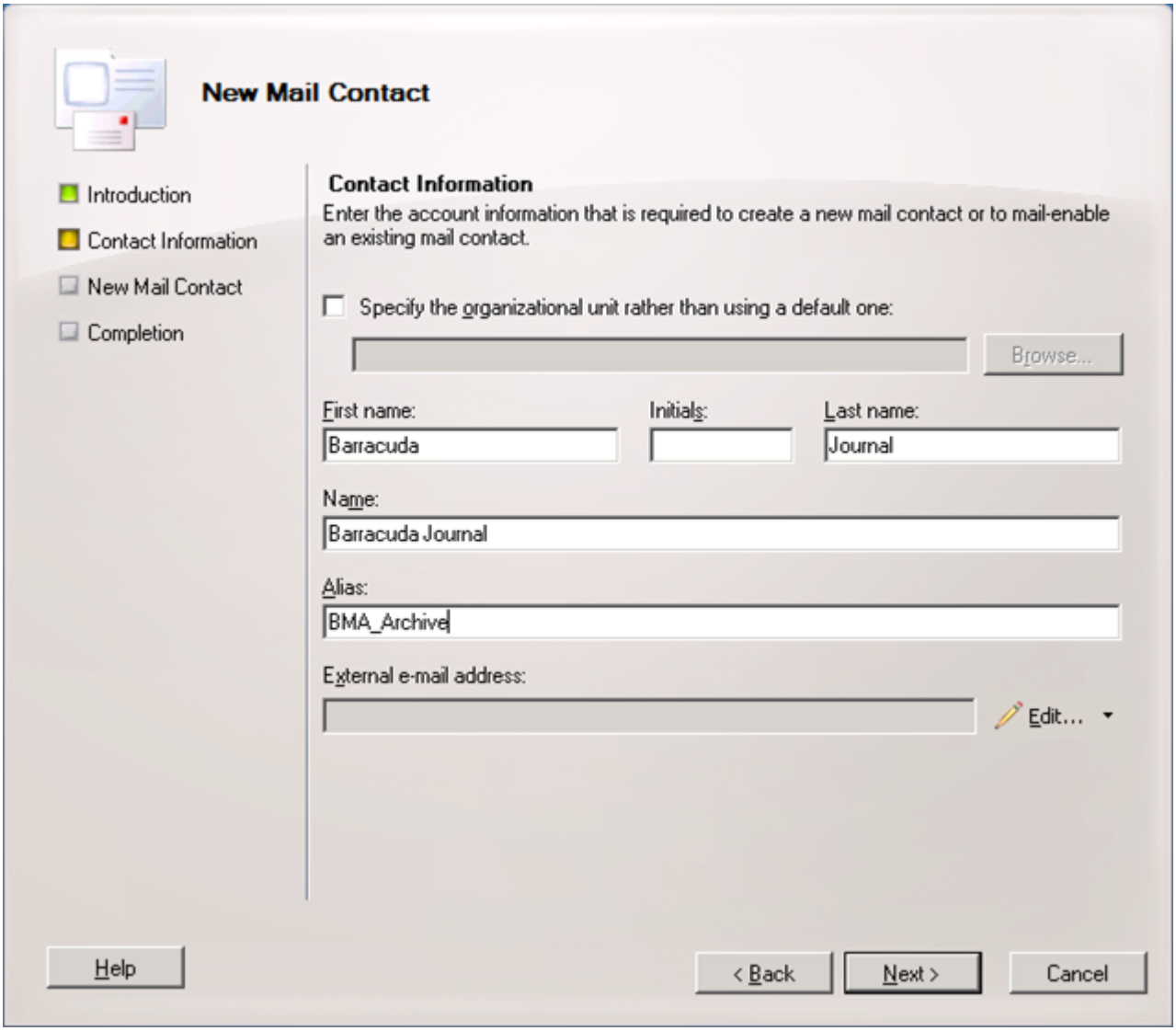
Create a Mail Contact

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:

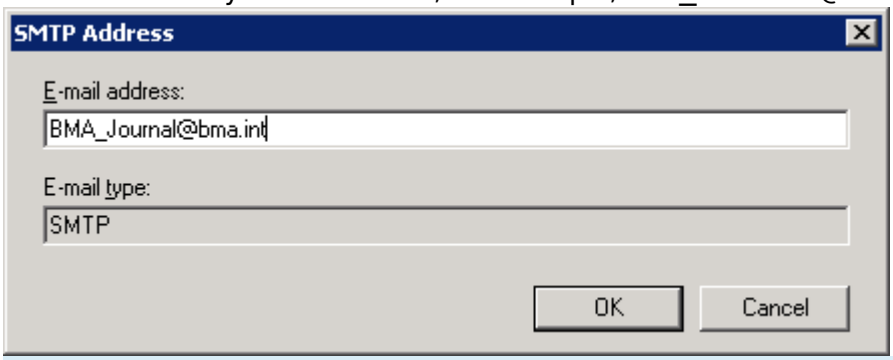
1. In the **EMC**, expand **Recipient Configuration**, select **Mail Contact**, and in the **Actions** panel, click **New Mail Contact**:



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**:

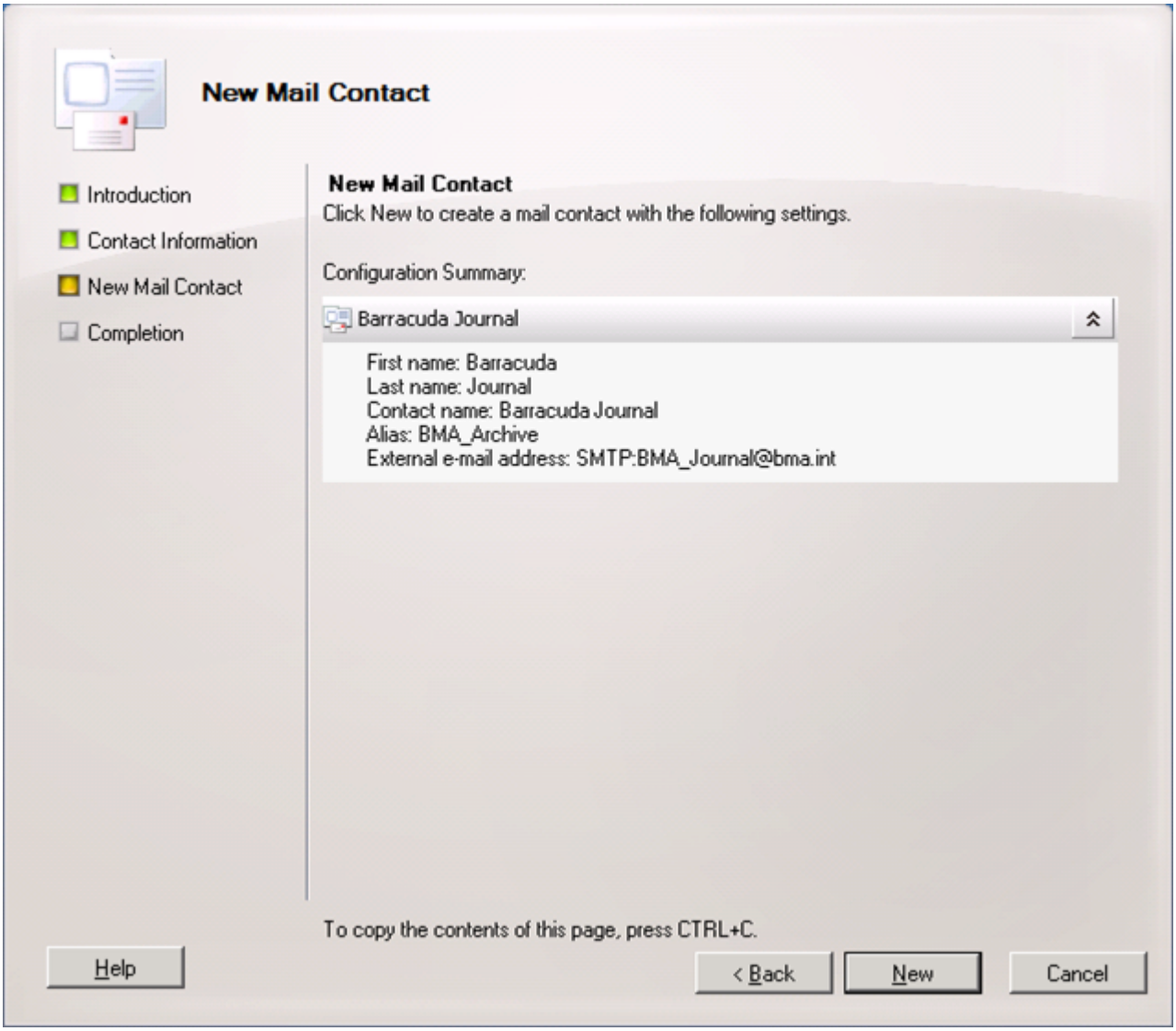


4. Click **Edit** to the right of the **External e-mail address** field, and in the **SMTP Address** dialog, enter the delivery email address, for example, `BMA_Journal@bma.int`:



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**.

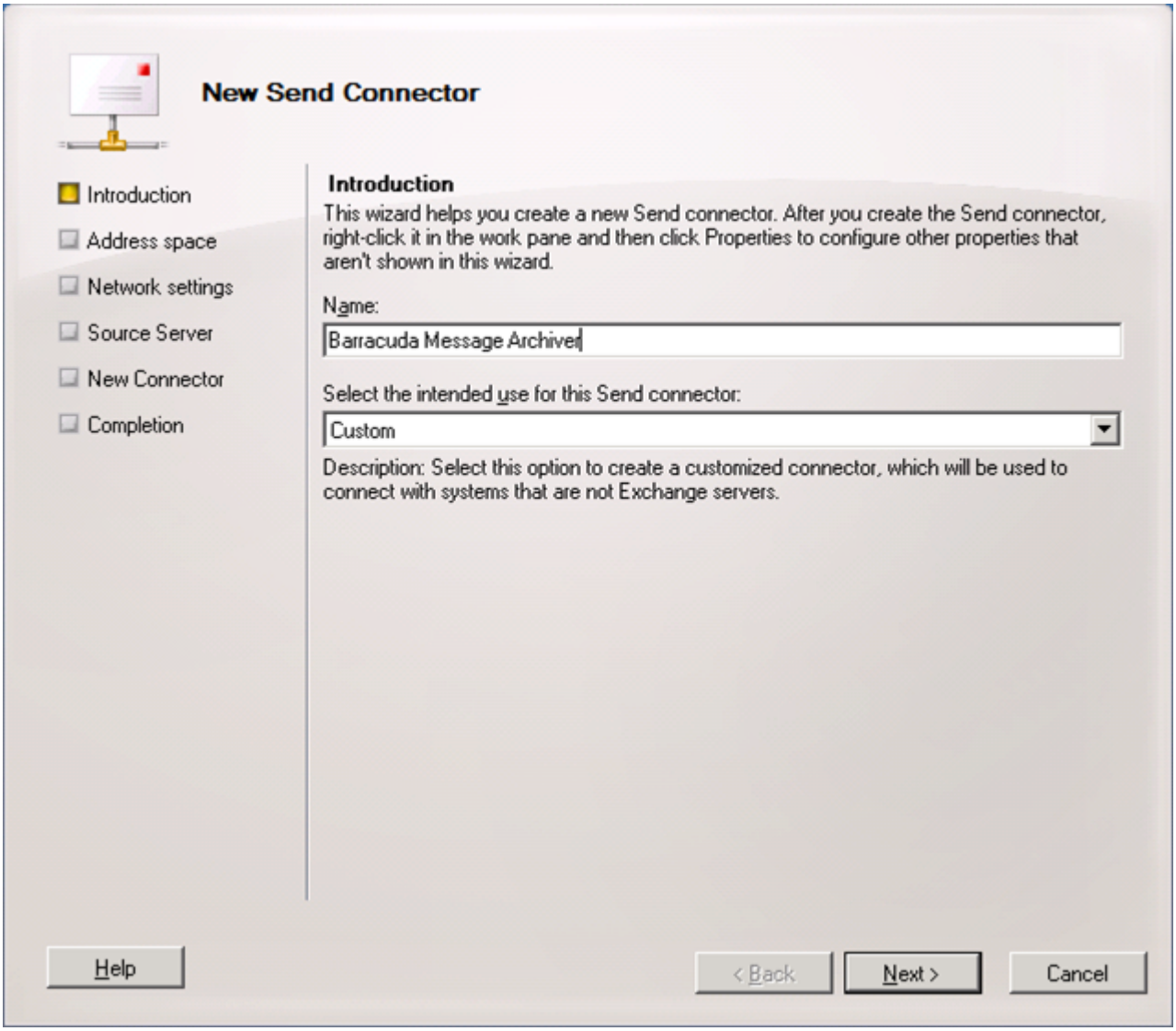
5. Click **OK** to close the dialog box. In the Wizard, click **Next** to verify the information:



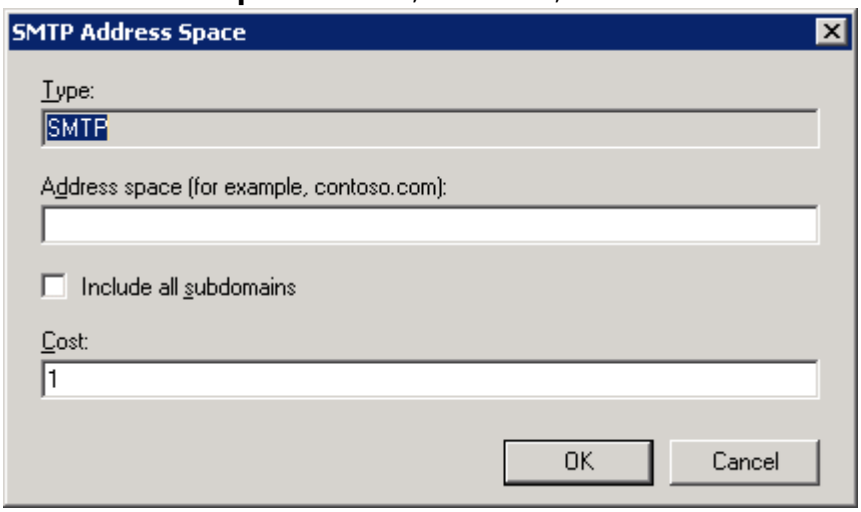
6. Click **New** to create the Mail Contact. The newly-created contact appears in the **Mail Contact** list. Click **Finish** to close the Wizard.

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:

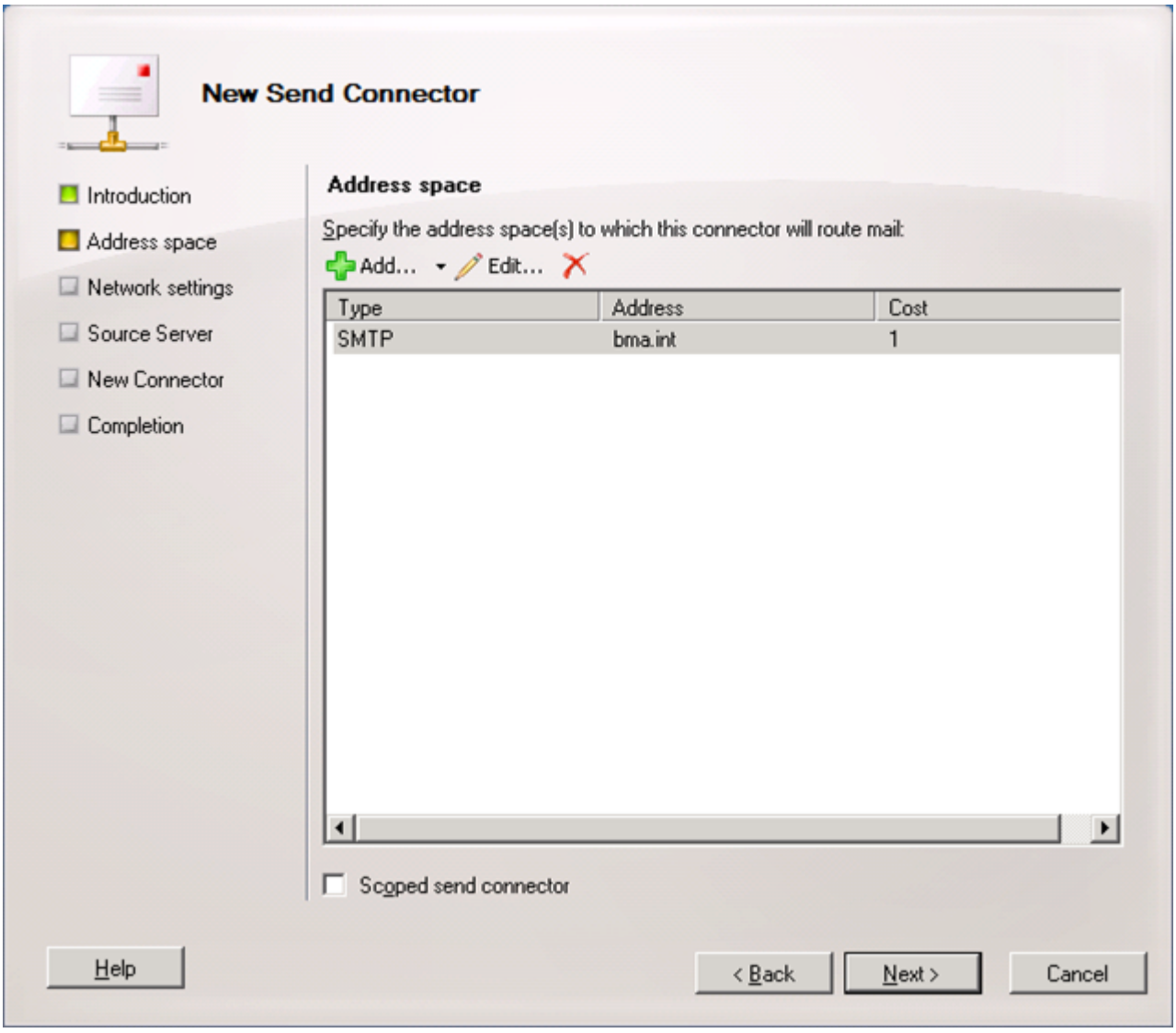


2. From the **Select the intended use for this Send connector** menu, select **Custom**, and click **Next**.
3. In the **Address Space** section, click **Add**; the **SMTP Address Space** dialog box displays:

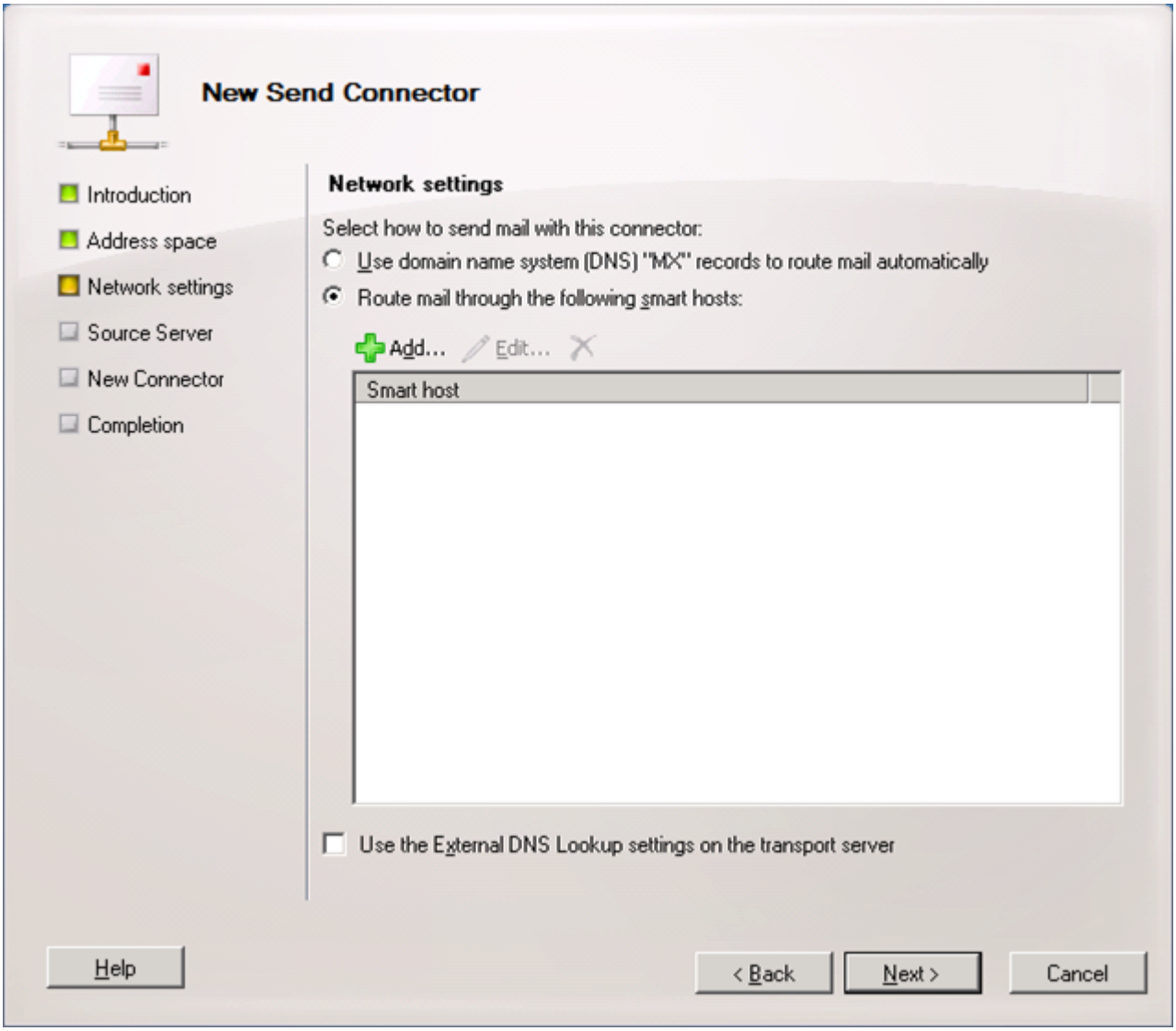


4. In the **Address space** field, enter the domain created earlier, e.g., bma.int, and click **OK**. The

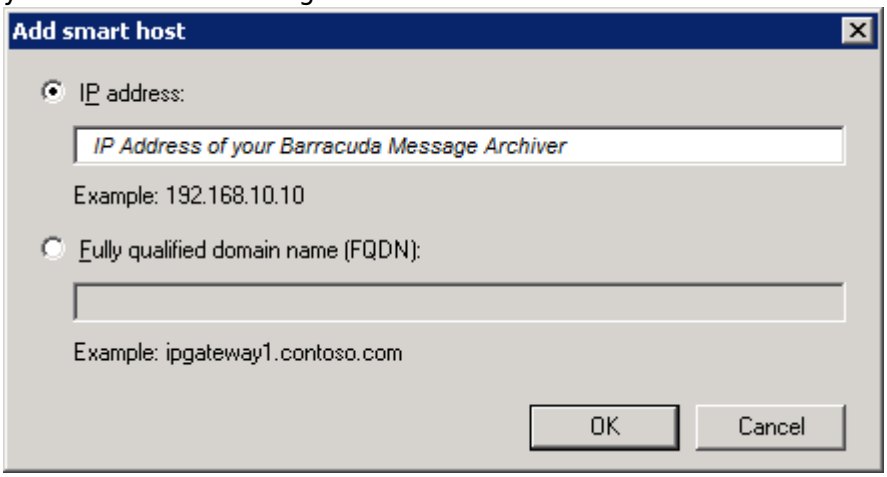
SMTP connector is added:



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



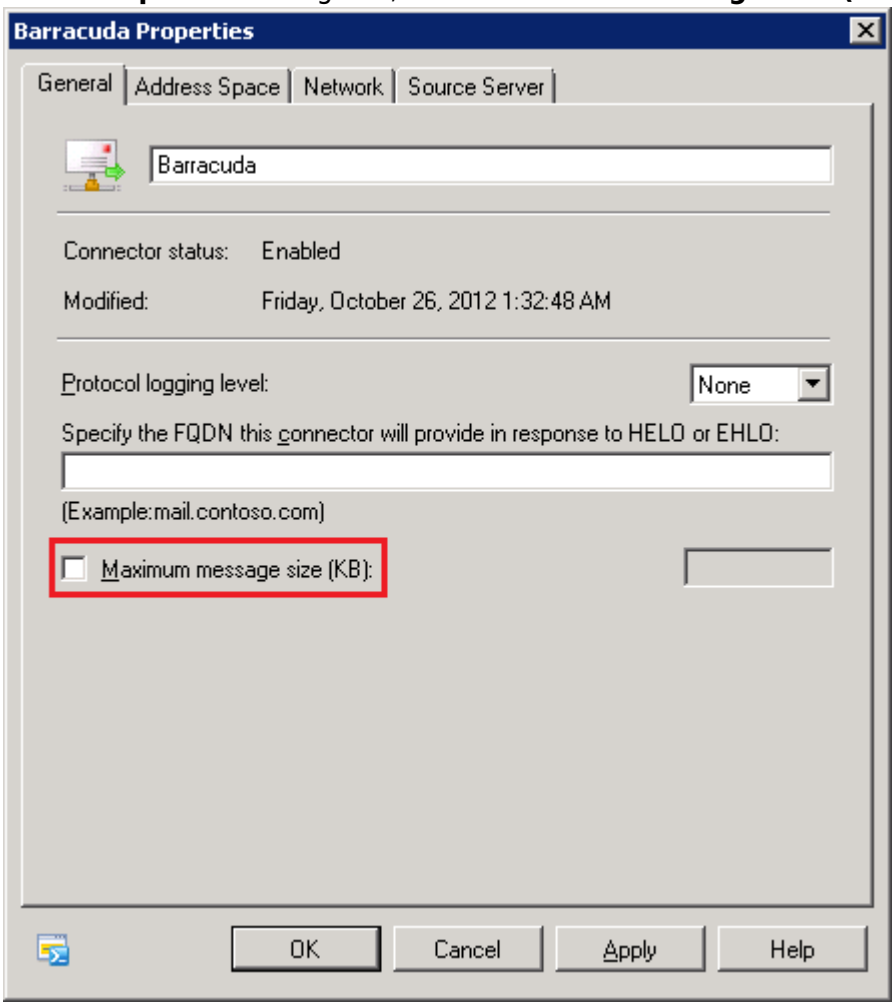
6. Click **Add**. In the **Add smart host** dialog box, select **IP address**, and enter the IP address of your Barracuda Message Archiver:



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)**:

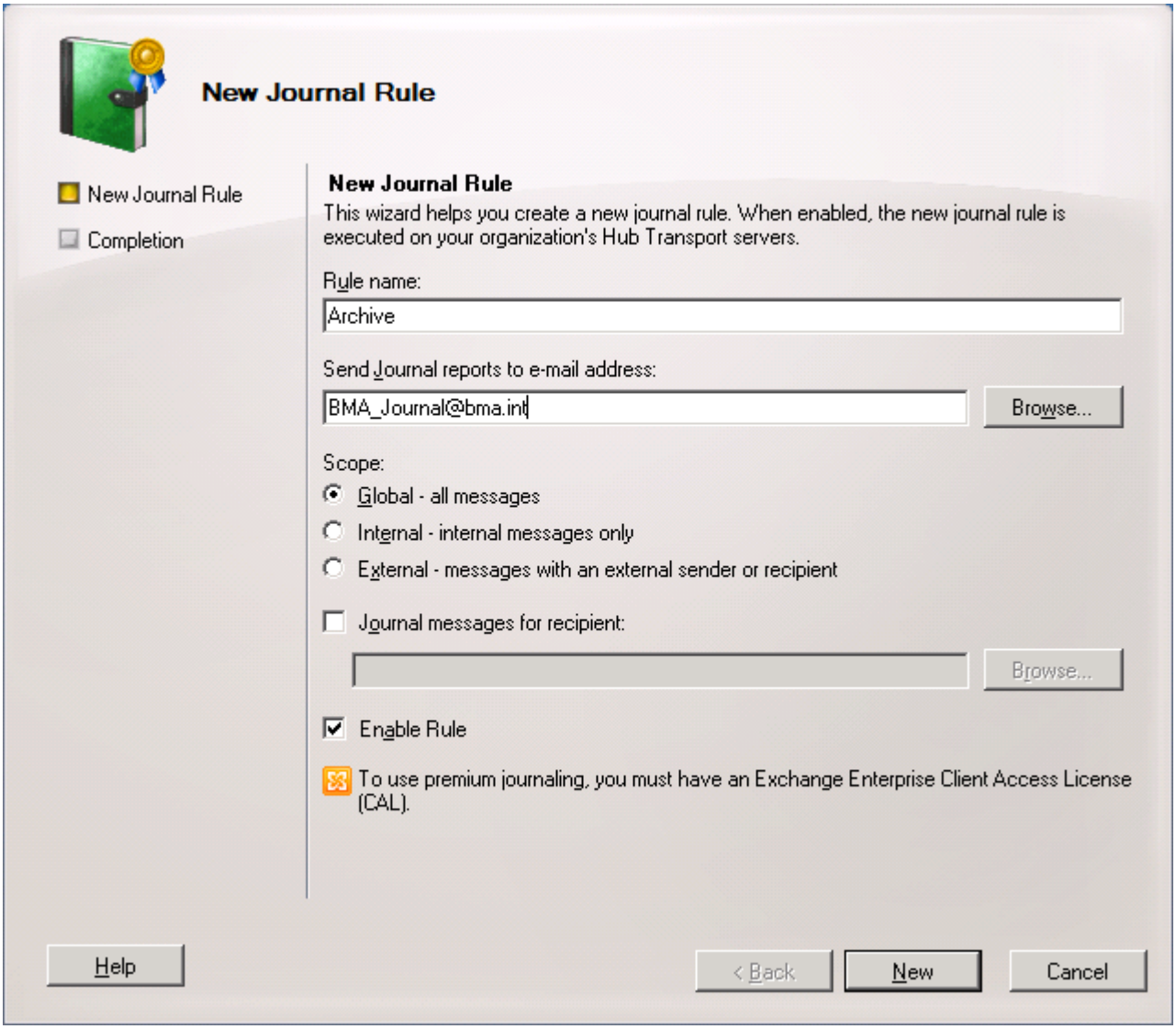


11. Click **Apply**, and then click **OK** to save your changes and close the dialog box.

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**:



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

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