

How to Set Up DNS Routing in Exchange 2013 or later

<https://campus.barracuda.com/doc/96022997/>

This process begins with configuring outbound filtering policy, described in Step 1 below. You must perform Step 1 regardless of whether you have already configured your outbound email to send through the SmarHost.

The steps in this article address the following situation:

An email addressed to multiple recipients fails for a *single* recipient, but Exchange generates a Non-Delivery Report (NDR) reporting that the email failed to send to *all* recipients.

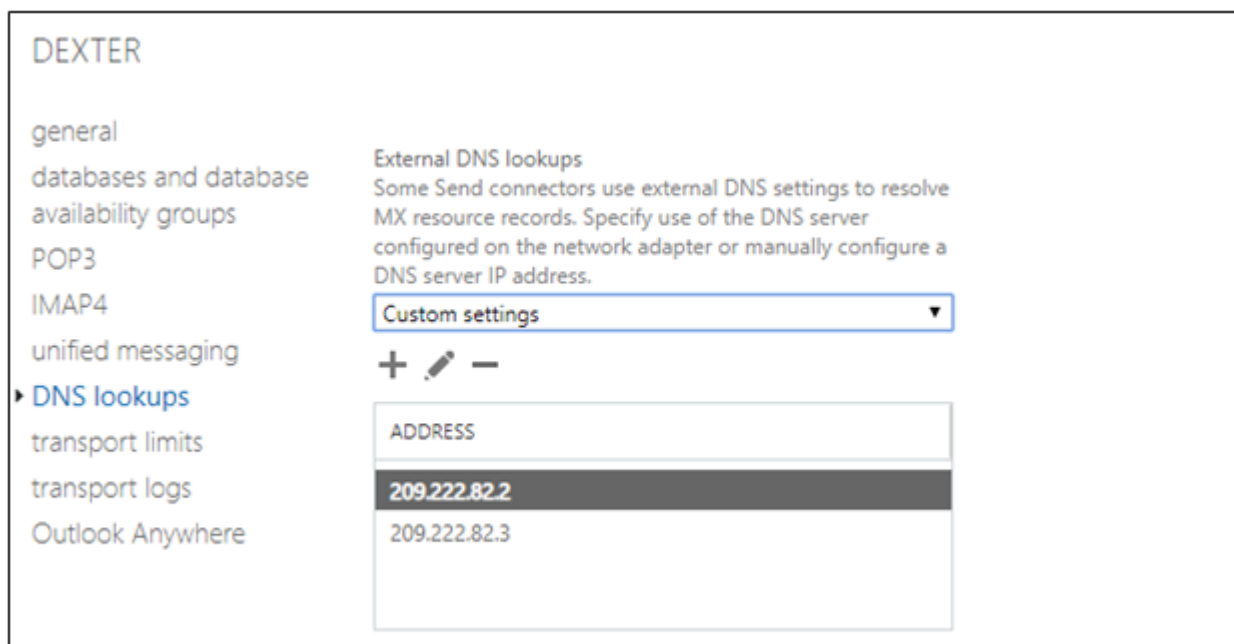
These steps explain how to set up DNS Routing in Exchange 2013+. This will force your Exchange server to break up an email sent to multiple recipients within different domains into separate emails, while still sending it to Email Gateway Defense for outbound filtering.

Step 1. Configure Outbound Filtering Policy

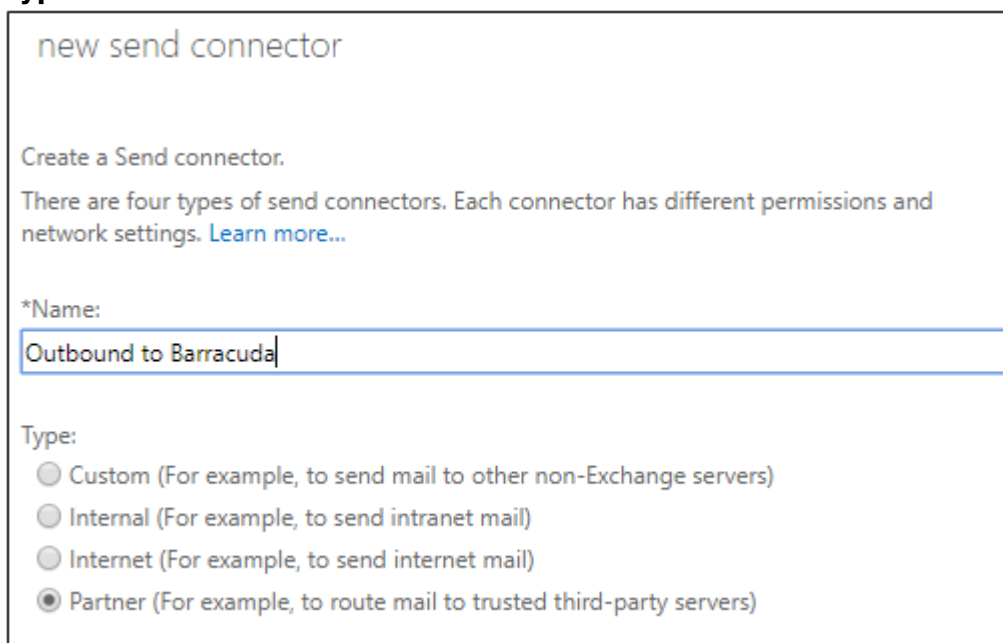
Follow the instructions to configure Email Gateway Defense to accept email from your mail server for outbound filtering. See [Step 2 - Configure Email Gateway Defense for Exchange 2013 and Newer](#) for details.

Step 2. Configure Exchange to use Barracuda Networks for External DNS Lookups

1. Log into ECP - <https://<webmail.yourdomain.com>/ECP> replacing [webmail.yourdomain.com](#) with the FQDN of your mail server.
2. From the left navigation panel, click **Servers**.
3. Make sure **Servers** is selected at the top, and click the pencil icon to edit the properties. You must do this for each server listed here.
4. In the left navigation panel of the new window, click **DNS Lookups**.
5. For **External DNS lookups**, select **Custom Settings**, as shown here, and add the IP addresses provided in [How to Configure DNS Routing for Improved Performance](#).



6. Click **Save**.
7. In the left navigation panel, select **Mail Flow**, then **Send Connectors**.
8. Click the Plus icon to create a new send connector. Enter the following information:
 1. **Name:** Outbound to Barracuda
 2. **Type:** Partner



9. Click **Next**.
 1. Select **MX record associated with recipient domain**.
 2. Select the **Use the external DNS lookup settings on servers with transport roles** box.

new send connector

A send connector can route mail directly through DNS or redirect it to a smart host. [Learn more...](#)

*Network settings:
Specify how to send mail with this connector.

☒ MX record associated with recipient domain
☐ Route mail through smart hosts

+ ✎ -

SMART HOST

☒ Use the external DNS lookup settings on servers with transport roles

10. Click **Next**.

1. Click the Plus icon and type an asterisk for the domain.

new send connector

A Send connector routes mail to a specified list of domains. These domains can be an SMTP address space or a custom type. [Learn more...](#)

*Address space:
Specify the address space or spaces to which this connector will route mail.

+ ✎ -

TYPE	DOMAIN	COST
SMTP	*	1

☐ Scoped send connector

11. Click **Next**.

1. Click the Plus icon and add your source server(s).

new send connector

A send connector sends mail from a list of servers with transport roles or Edge Subscriptions.
[Learn more...](#)

*Source server:
Associate this connector with the following servers containing transport roles. You can also add Edge Subscriptions to this list.

+ -

SERVER	SITE	ROLE
DEXTER	mgorman.local/Configuration/Sites/Default-First-Si...	Mailbox

12. Click **Finish**.

Note: If you previously created a send connector earlier in [Step 2 - Configure Email Gateway Defense for Exchange 2013 and Newer](#), delete it now. Your system will now use the new send connector you created in Step 1 above.

Step 3. Verify Mail is Flowing

1. Log into Email Gateway Defense.
2. In the **Dashboard** page, verify inbound and outbound messages are being logged for the selected domain.

You can also click **Message Log** to view inbound and outbound email traffic. Use the filters to refine your search.

Figures

1. dnsLookups.png
2. newSendConnector.png
3. newSendConnector2.png
4. newSendConnector3.png
5. newSendConnector4.png

© Barracuda Networks Inc., 2025 The information contained within this document is confidential and proprietary to Barracuda Networks Inc. No portion of this document may be copied, distributed, publicized or used for other than internal documentary purposes without the written consent of an official representative of Barracuda Networks Inc. All specifications are subject to change without notice. Barracuda Networks Inc. assumes no responsibility for any inaccuracies in this document. Barracuda Networks Inc. reserves the right to change, modify, transfer, or otherwise revise this publication without notice.