

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.

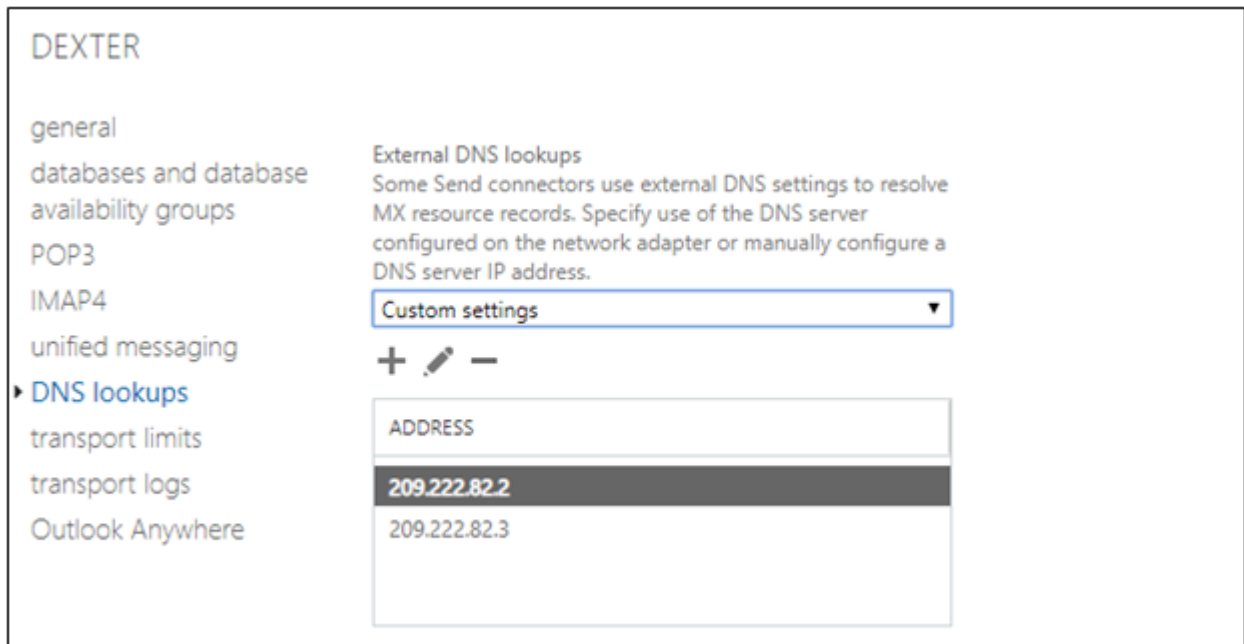
These steps explain how to set up DNS Routing in Exchange 2013+. This will force your Exchange server to break up an email sent to multiple recipients within different domains into separate emails, while still sending it to Email Gateway Defense for outbound filtering.

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](#).



DEXTER

general
databases and database availability groups
POP3
IMAP4
unified messaging
▶ **DNS lookups**
transport limits
transport logs
Outlook Anywhere

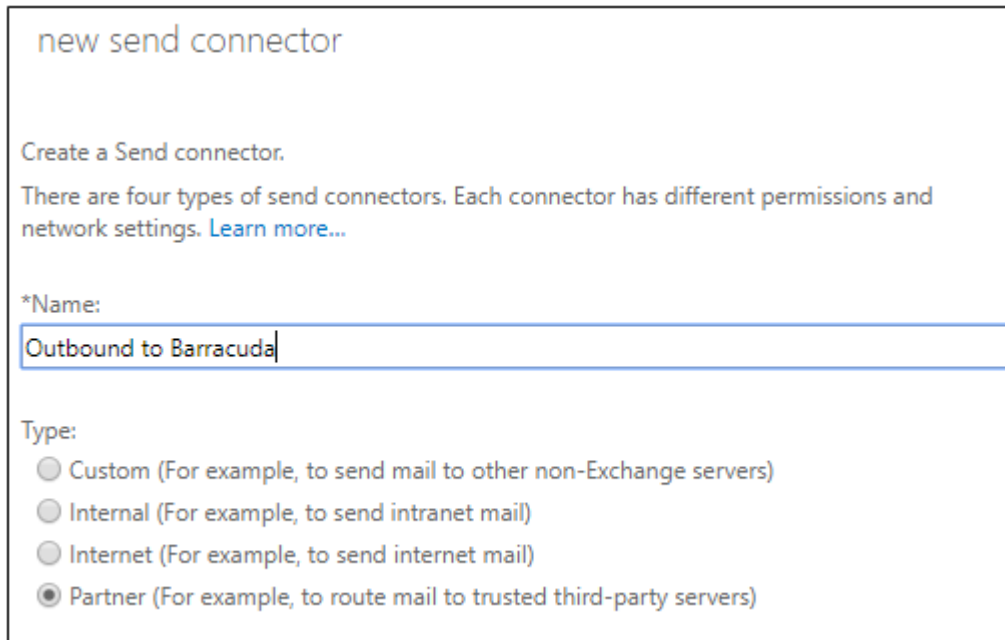
External DNS lookups
Some Send connectors use external DNS settings to resolve MX resource records. Specify use of the DNS server configured on the network adapter or manually configure a DNS server IP address.

Custom settings ▼

+ ✎ -

ADDRESS
209.222.82.2
209.222.82.3

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



new send connector

Create a Send connector.

There are four types of send connectors. Each connector has different permissions and network settings. [Learn more...](#)

*Name:
Outbound to Barracuda

Type:

☐ Custom (For example, to send mail to other non-Exchange servers)

☐ Internal (For example, to send intranet mail)

☐ Internet (For example, to send internet mail)

☒ Partner (For example, to route mail to trusted third-party servers)

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

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