

# distribution groups don't deliver to some addresses

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*Source:*

<http://www.tech-archive.net/Archive/Exchange/microsoft.public.exchange.admin/2005-07/msg01221.html>

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- *From:* John <[jc\\_nospam@xxxxxxxxxxxxxxxx](mailto:jc_nospam@xxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 12 Jul 2005 15:04:31 +0100
- 

I've been trying to create a distribution group that includes both internal and external contacts. I've created all the external contacts as contacts in AD, adding an Exchange email address (SMTP:user@xxxxxxxxxxxxxxxxxxxxxx). When sending to this group messages fail to be delivered to some people on the list, it would appear that it won't deliver to hotmail.com, NTL or Wannadoo.

I've checked that the server has a valid PTR on reverse DNS. I've checked that the server isn't blacklisted. I also disabled Symantec SMTP checking as I read that some people had solved this problem by doing that, although it hasn't worked in this case.

I've also tried sending emails to those same people individually by just entering their email address and that doesn't get through either.

I've set logging on the SMTP service to 5, but that reports nothing. I've tried SMTPDIAG (attached).

Can any one make any suggestions??

Thanks - John

Searching for Exchange external DNS settings.  
Computer name is STORM.  
VSI 1 has the following external DNS servers:  
217.158.x.x,192.168.2.2

Checking SOA for hotmail.com.  
Checking external DNS servers.

Checking TCP/UDP SOA serial number using DNS server [217.158.x.x].  
TCP test succeeded.

## distribution groups don't deliver to some addresses

UDP test succeeded.

Serial number: 2005070501

Checking TCP/UDP SOA serial number using DNS server [192.168.2.2].

TCP test succeeded.

UDP test succeeded.

Serial number: 2005070501

Checking internal DNS servers.

Checking TCP/UDP SOA serial number using DNS server [192.168.2.2].

TCP test succeeded.

UDP test succeeded.

Serial number: 2005070501

Checking TCP/UDP SOA serial number using DNS server [217.158.x.x].

TCP test succeeded.

UDP test succeeded.

Serial number: 2005070501

SOA serial number match: Passed.

Checking local domain records.

Starting TCP and UDP DNS queries for the local domain. This test will try to validate that DNS is set up correctly for inbound mail. This test can fail for 3 reasons.

- 1) Local domain is not set up in DNS. Inbound mail cannot be routed to local mailboxes.
- 2) Firewall blocks TCP/UDP DNS queries. This will not affect inbound mail, but will affect outbound mail.
- 3) Internal DNS is unaware of external DNS settings. This is a valid configuration for certain topologies.

Checking MX records using TCP: domain.co.uk.

MX: mail1.2nddomain.net (20)

MX: mail.domain.co.uk (10)

A: mail1.2nddomain.net [80.168.x.x]

Checking MX records using UDP: domain.co.uk.

MX: mail1.2nddomain.net (20)

MX: mail.domain.co.uk (10)

A: mail1.2nddomain.net [80.168.x.x]

Both TCP and UDP queries succeeded. Local DNS test passed.

Checking remote domain records.

Starting TCP and UDP DNS queries for the remote domain. This test will try to validate that DNS is set up correctly for outbound mail. This test can fail for 3 reasons.

- 1) Firewall blocks TCP/UDP queries which will block outbound mail. Windows 2000/NT Server requires TCP DNS queries. Windows Server 2003 will use UDP queries first, then fall back to TCP queries.
- 2) Internal DNS does not know how to query external domains. You must either use an external DNS server or configure DNS server to query external domains.
- 3) Remote domain does not exist. Failure is expected.

distribution groups don't deliver to some addresses

distribution groups don't deliver to some addresses

Checking MX records using TCP: hotmail.com.

MX: mx1.hotmail.com (5)

MX: mx2.hotmail.com (5)

MX: mx3.hotmail.com (5)

MX: mx4.hotmail.com (5)

A: mx1.hotmail.com [65.54.252.99]

A: mx1.hotmail.com [64.4.50.50]

A: mx1.hotmail.com [64.4.50.99]

A: mx1.hotmail.com [65.54.166.99]

A: mx2.hotmail.com [65.54.190.50]

A: mx2.hotmail.com [65.54.252.230]

A: mx2.hotmail.com [65.54.166.230]

A: mx2.hotmail.com [65.54.190.7]

A: mx3.hotmail.com [65.54.167.5]

A: mx3.hotmail.com [65.54.253.99]

A: mx3.hotmail.com [64.4.50.179]

A: mx3.hotmail.com [64.4.50.239]

A: mx4.hotmail.com [65.54.167.230]

A: mx4.hotmail.com [65.54.190.179]

A: mx4.hotmail.com [65.54.190.230]

A: mx4.hotmail.com [65.54.253.230]

Checking MX records using UDP: hotmail.com.

MX: mx1.hotmail.com (5)

MX: mx2.hotmail.com (5)

MX: mx3.hotmail.com (5)

MX: mx4.hotmail.com (5)

Both TCP and UDP queries succeeded. Remote DNS test passed.

Checking MX servers listed for a\_hotmail\_user@xxxxxxxxxxxxx

Connecting to mx4.hotmail.com [65.54.253.230] on port 25.

Received:

220 MC8-F13.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:55:44 -0700

Sent:

ehlo domain.co.uk

Received:

250-MC8-F13.hotmail.com (3.0.1.19) Hello [217.158.189.253]

250-SIZE 29696000

250-PIPELINING

250-8bitmime

250-BINARYMIME

250-CHUNKING

250-AUTH LOGIN

250-AUTH=LOGIN

250 OK

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Sent:  
mail from: <admin@xxxxxxxxxxxx>

Received:  
250 admin@xxxxxxxxxxxxxxxxxxxx OK

Sent:  
rcpt to: <a\_hotmail\_user@xxxxxxxx>

Received:  
250 a\_hotmail\_user@xxxxxxxx

Sent:  
quit

Received:  
221 MC8-F13.hotmail.com Service closing transmission channel

Successfully connected to mx4.hotmail.com.  
Connecting to mx4.hotmail.com [65.54.190.230] on port 25.

Received:  
220 mc4-f2.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:55:46 -0700

Sent:  
ehlo domain.co.uk

Received:  
250-mc4-f2.hotmail.com (3.0.1.19) Hello [217.158.189.253]  
250-SIZE 29696000  
250-PIPELINING  
250-8bitmime  
250-BINARYMIME  
250-CHUNKING  
250-AUTH LOGIN  
250-AUTH=LOGIN  
250 OK

Sent:  
mail from: <admin@xxxxxxxxxxxx>

Received:  
250 admin@xxxxxxxxxxxxxxxxxxxx OK

Sent:  
rcpt to: <a\_hotmail\_user@xxxxxxxx>

Received:

distribution groups don't deliver to some addresses

distribution groups don't deliver to some addresses

250 a\_hotmail\_user@xxxxxxxxxxxx

Sent:  
quit

Received:  
221 mc4-f2.hotmail.com Service closing transmission channel

Successfully connected to mx4.hotmail.com.  
Connecting to mx4.hotmail.com [65.54.190.179] on port 25.  
Connecting to the server failed. Error: 10060  
Failed to submit mail to mx4.hotmail.com.  
Connecting to mx3.hotmail.com [64.4.50.239] on port 25.

Received:  
220 mc3-f14.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:56:09 -0700

Sent:  
ehlo domain.co.uk

Received:  
250-mc3-f14.hotmail.com (3.0.1.19) Hello [217.158.189.253]  
250-SIZE 29696000  
250-PIPELINING  
250-8bitmime  
250-BINARYMIME  
250-CHUNKING  
250-AUTH LOGIN  
250-AUTH=LOGIN  
250 OK

Sent:  
mail from: <admin@xxxxxxxxxxxx>

Received:  
250 admin@xxxxxxxxxxxxxxxxxxxxxxxx OK

Sent:  
rcpt to: <a\_hotmail\_user@xxxxxxxxxxxx>

Received:  
250 a\_hotmail\_user@xxxxxxxxxxxx

Sent:  
quit

Received:  
221 mc3-f14.hotmail.com Service closing transmission channel

distribution groups don't deliver to some addresses

distribution groups don't deliver to some addresses

Successfully connected to mx3.hotmail.com.

Connecting to mx3.hotmail.com [64.4.50.179] on port 25.

Connecting to the server failed. Error: 10060

Failed to submit mail to mx3.hotmail.com.

Connecting to mx3.hotmail.com [65.54.253.99] on port 25.

Received:

220 mc7-f4.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:56:32 -0700

Sent:

ehlo domain.co.uk

Received:

250-mc7-f4.hotmail.com (3.0.1.19) Hello [217.158.189.253]

250-SIZE 29696000

250-PIPELINING

250-8bitmime

250-BINARYMIME

250-CHUNKING

250-AUTH LOGIN

250-AUTH=LOGIN

250 OK

Sent:

mail from: <admin@xxxxxxxxxxxx>

Received:

250 admin@xxxxxxxxxxxxxxxxxxxxxxxx OK

Sent:

rcpt to: <a\_hotmail\_user@xxxxxxxxxxxx>

Received:

250 a\_hotmail\_user@xxxxxxxxxxxx

Sent:

quit

Received:

221 mc7-f4.hotmail.com Service closing transmission channel

Successfully connected to mx3.hotmail.com.

Connecting to mx2.hotmail.com [65.54.190.7] on port 25.

Received:

220 mc2-f14.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:56:33 -0700

distribution groups don't deliver to some addresses

distribution groups don't deliver to some addresses

Sent:  
ehlo domain.co.uk

Received:  
250-mc2-f14.hotmail.com (3.0.1.19) Hello [217.158.189.253]  
250-SIZE 29696000  
250-PIPELINING  
250-8bitmime  
250-BINARYMIME  
250-CHUNKING  
250-AUTH LOGIN  
250-AUTH=LOGIN  
250 OK

Sent:  
mail from: <admin@xxxxxxxxxxxx>

Received:  
250 admin@xxxxxxxxxxxxxxxxxxxxxxxx OK

Sent:  
rcpt to: <a\_hotmail\_user@xxxxxxxx>

Received:  
250 a\_hotmail\_user@xxxxxxxx

Sent:  
quit

Received:  
221 mc2-f14.hotmail.com Service closing transmission channel

Successfully connected to mx2.hotmail.com.  
Connecting to mx2.hotmail.com [65.54.166.230] on port 25.

Received:  
220 mc10-f23.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:56:34 -0700

Sent:  
ehlo domain.co.uk

Received:  
250-mc10-f23.hotmail.com (3.0.1.19) Hello [217.158.189.253]  
250-SIZE 29696000  
250-PIPELINING  
250-8bitmime

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distribution groups don't deliver to some addresses

250-BINARYMIME  
250-CHUNKING  
250-AUTH LOGIN  
250-AUTH=LOGIN  
250 OK

Sent:  
mail from: <admin@xxxxxxxxxxxx>

Received:  
250 admin@xxxxxxxxxxxxxxxxxxxxxx OK

Sent:  
rcpt to: <a\_hotmail\_user@xxxxxxxxxx>

Received:  
250 a\_hotmail\_user@xxxxxxxxxx

Sent:  
quit

Received:  
221 mc10-f23.hotmail.com Service closing transmission channel

Successfully connected to mx2.hotmail.com.  
Connecting to mx2.hotmail.com [65.54.252.230] on port 25.

Received:  
220 MC6-F28.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:56:36 -0700

Sent:  
ehlo domain.co.uk

Received:  
250-MC6-F28.hotmail.com (3.0.1.19) Hello [217.158.189.253]  
250-SIZE 29696000  
250-PIPELINING  
250-8bitmime  
250-BINARYMIME  
250-CHUNKING  
250-AUTH LOGIN  
250-AUTH=LOGIN  
250 OK

Sent:  
mail from: <admin@xxxxxxxxxxxx>

distribution groups don't deliver to some addresses

distribution groups don't deliver to some addresses

Received:  
250 admin@xxxxxxxxxxxxxxxxxxxxxxxx OK

Sent:  
rcpt to: <a\_hotmail\_user@xxxxxxxxxxx>

Received:  
250 a\_hotmail\_user@xxxxxxxxxxx

Sent:  
quit

Received:  
221 MC6-F28.hotmail.com Service closing transmission channel

Successfully connected to mx2.hotmail.com.  
Connecting to mx1.hotmail.com [65.54.166.99] on port 25.

Received:  
220 mc9-f35.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:56:38 -0700

Sent:  
ehlo domain.co.uk

Received:  
250-mc9-f35.hotmail.com (3.0.1.19) Hello [217.158.189.253]  
250-SIZE 29696000  
250-PIPELINING  
250-8bitmime  
250-BINARYMIME  
250-CHUNKING  
250-AUTH LOGIN  
250-AUTH=LOGIN  
250 OK

Sent:  
mail from: <admin@xxxxxxxxxxxx>

Received:  
250 admin@xxxxxxxxxxxxxxxxxxxxxxxx OK

Sent:  
rcpt to: <a\_hotmail\_user@xxxxxxxxxxx>

Received:  
250 a\_hotmail\_user@xxxxxxxxxxx

Sent:

distribution groups don't deliver to some addresses

distribution groups don't deliver to some addresses

quit

Received:

221 mc9-f35.hotmail.com Service closing transmission channel

Successfully connected to mx1.hotmail.com.

Connecting to mx1.hotmail.com [64.4.50.99] on port 25.

Received:

220 mc1-f10.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:56:39 -0700

Sent:

ehlo domain.co.uk

Received:

250-mc1-f10.hotmail.com (3.0.1.19) Hello [217.158.189.253]

250-SIZE 29696000

250-PIPELINING

250-8bitmime

250-BINARYMIME

250-CHUNKING

250-AUTH LOGIN

250-AUTH=LOGIN

250 OK

Sent:

mail from: <admin@xxxxxxxxxxxxxx>

Received:

250 admin@xxxxxxxxxxxxxxxxxxxxxxxx OK

Sent:

rcpt to: <a\_hotmail\_user@xxxxxxxxxxxxxx>

Received:

250 a\_hotmail\_user@xxxxxxxxxxxxxx

Sent:

quit

Received:

221 mc1-f10.hotmail.com Service closing transmission channel

Successfully connected to mx1.hotmail.com.

Connecting to mx1.hotmail.com [64.4.50.50] on port 25.

Connecting to the server failed. Error: 10060

Failed to submit mail to mx1.hotmail.com.

Connecting to mx4.hotmail.com [65.54.167.230] on port 25.

distribution groups don't deliver to some addresses

distribution groups don't deliver to some addresses

Connecting to the server failed. Error: 10060

Failed to submit mail to mx4.hotmail.com.

Connecting to mx3.hotmail.com [65.54.167.5] on port 25.

Received:

220 mc11-f21.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:57:23 -0700

Sent:

ehlo domain.co.uk

Received:

250-mc11-f21.hotmail.com (3.0.1.19) Hello [217.158.189.253]

250-SIZE 29696000

250-PIPELINING

250-8bitmime

250-BINARYMIME

250-CHUNKING

250-AUTH LOGIN

250-AUTH=LOGIN

250 OK

Sent:

mail from: <admin@xxxxxxxxxxxx>

Received:

250 admin@xxxxxxxxxxxxxxxxxxxxxxxx OK

Sent:

rcpt to: <a\_hotmail\_user@xxxxxxxxxxxx>

Received:

250 a\_hotmail\_user@xxxxxxxxxxxx

Sent:

quit

Received:

221 mc11-f21.hotmail.com Service closing transmission channel

Successfully connected to mx3.hotmail.com.

Connecting to mx2.hotmail.com [65.54.190.50] on port 25.

Connecting to the server failed. Error: 10060

Failed to submit mail to mx2.hotmail.com.

Connecting to mx1.hotmail.com [65.54.252.99] on port 25.

Received:

220 mc5-f17.hotmail.com Sending unsolicited commercial or bulk e-mail to Microsoft's computer network is prohibited. Other restrictions are found at <http://privacy.msn.com/Anti-spam/>. Violations will result in use of equipment located in California and other states. Tue, 12 Jul 2005 06:57:45 -0700

distribution groups don't deliver to some addresses

distribution groups don't deliver to some addresses

Sent:  
ehlo domain.co.uk

Received:  
250-mc5-f17.hotmail.com (3.0.1.19) Hello [217.158.189.253]  
250-SIZE 29696000  
250-PIPELINING  
250-8bitmime  
250-BINARYMIME  
250-CHUNKING  
250-AUTH LOGIN  
250-AUTH=LOGIN  
250 OK

Sent:  
mail from: <admin@xxxxxxxxxxxxxx>

Received:  
250 admin@xxxxxxxxxxxxxxxxxxxxxxxx OK

Sent:  
rcpt to: <a\_hotmail\_user@xxxxxxxxxxxx>

Received:  
250 a\_hotmail\_user@xxxxxxxxxxxx

Sent:  
quit

Received:  
221 mc5-f17.hotmail.com Service closing transmission channel

Successfully connected to mx1.hotmail.com.

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• ***Follow-Ups:***

- ◆ ***Re: distribution groups don't deliver to some addresses***  
    ◇ *From: Ed Crowley [MVP]*
- ◆ ***Re: distribution groups don't deliver to some addresses***  
    ◇ *From: Lanwench [MVP - Exchange]*

- Prev by Date: ***Re: Exchange calendar***
- Next by Date: ***Re: Mailbox Move Fails***
- Previous by thread: ***Out of office***
- Next by thread: ***Re: distribution groups don't deliver to some addresses***
- Index(es):
  - ◆ ***Date***
  - ◆ ***Thread***

distribution groups don't deliver to some addresses