

Exchange 2010 SP1 Multi-Tenant (Step 3 of 3)

Submitted by jdixon on Fri, 05/13/2011 - 5:08pm

Exchange 2010

Configuring Mailflow

Here is the issue. If you use DNS to route your mail then you will have a problem with sending emails between organizations. In order to make this work you must [create a send connector](#) [1] that routes the traffic to and from the organizations. Another way to solve this problem is to use a smart host:

```
New-SendConnector -Name "Internet" -Usage "Custom" -AddressSpaces "SMTP:*;1" -
IsScopedConnector $false -SmartHosts x.x.x.x,x.x.x.x -DNSRoutingEnabled $false -
SmartHostAuthMechanism "None" -UseExternalDNSServersEnabled $false -
SourceTransportServers "Exchange Server"
```

```
(PS) C:\Windows\system32>New-SendConnector -Name "Internet" -Usage "Custom" -AddressSpaces "SMTP:*;1" -IsScopedConnector
$false -SmartHosts 192.168.169.169,192.168.168.169 -DNSRoutingEnabled $false -SmartHostAuthMechanism "None" -UseExtern
alDNSServersEnabled $false -SourceTransportServers "LabDCEx"
```

Identity	AddressSpaces	Enabled
Internet	SMTP:*;1	True

Receive Connector:

Now we must tick the Anonymous box on the default receive connector so internet users can send to the Exchange Server:

```
Set-ReceiveConnector -PermissionGroups 'AnonymousUsers, ExchangeUsers,
ExchangeServers, ExchangeLegacyServers' -Identity 'LABDCEX\Default LABDCEX'
```

```
(PS) C:\Windows\system32>Set-ReceiveConnector -PermissionGroups 'AnonymousUsers, ExchangeUsers, ExchangeServers, Exchang
eLegacyServers' -Identity 'LabDCEx\Default LabDCEx'
```

```
(PS) C:\Windows\system32>Get-ReceiveConnector
```

Identity	Bindings	Enabled
LABDCEX\Default LABDCEX	<:::25, 0.0.0.0:25>	True
LABDCEX\Client LABDCEX	<:::567, 0.0.0.0:567>	True

Setting External FQDN

Our next step will be to make sure we put the external FQDN on all of the virtual directories.

OWA:

Set-OwaVirtualDirectory -Identity "owa (default web site)" -ExternalUrl <https://mail.exchange.lab/owa> [2]

ECP:

Set-EcpVirtualDirectory -Identity "ecp (default web site)" -ExternalUrl <https://mail.exchange.lab/ecp> [3]

Active Sync:

Set-ActiveSyncVirtualDirectory -identity "microsoft-server-activesync (default web site)" - ExternalUrl <https://mail.exchange.lab/Microsoft-Server-Activesync> [4]

OAB:

Set-OabVirtualDirectory -identity "oab (default web site)" -ExternalUrl <https://mail.exchange.lab/oab> [5]

AutoDiscover:

Now autodiscover is a little different with a multi-tenant deployment. The issue is you will have multiple domain names. Now we all know that autodiscover uses SSL certificates and we don't want to buy a SSL certificate for every domain name we host.

Luckily there are two alternatives. One is you can use SRV records, and the other is autodiscover redirect. SRV records do have a problem though. Some devices may not check SRV records when trying to discover the email settings. I wasn't able to get this to work on my iPhone, and Outlook 2007 requires a patch in order to make this work.

Your best bet is just to go with autodiscover redirect.

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Links:

[1] <http://technet.microsoft.com/en-us/library/aa997285.aspx>

[2] <https://mail.exchange.lab/owa>

[3] <https://mail.exchange.lab/ecp>

[4] <https://mail.exchange.lab/Microsoft-Server-Activesync>

[5] <https://mail.exchange.lab/oab>