

6 - Recipient Verification

Introduction

It's a widely suggested best practice to reject mail addressed to non-existent recipients at the gateway level.

This will aid the spam block rate and keep your license usage count accurate.

In this section we will describe how to configure recipient verification on our Libraesva ESG gateway.

Libraesva ESG supports two different types of recipient verification:

- Dynamic Verification
- Valid Recipient List Verification

Dynamic Verification

Dynamic Verification is the easiest form of Recipient Verification to use and manage. To use Dynamic Verification Method it is required that your mail server rejects mail addressed to invalid addresses (Recipient Filtering) through the **SMTP RCPT TO** command. If the server accepts the request (required code 250, 251, or 252), it may provide information about the address in a server-defined format and Libraesva ESG can then use your mail server to verify if a recipient specified on an incoming mail is valid or not.

Each email server has its own documentation about how to enable this feature. See the links below for guides of commonly used mail server software:

Microsoft Exchange 2007:

<http://technet.microsoft.com/en-us/library/aa998898%28EXCHG.80%29.aspx>

Microsoft Exchange 2010:

<http://technet.microsoft.com/en-us/library/bb125187.aspx>

If you are using a default standalone (no Edge Transport Server) installation of 2010 the Anti-Spam functionality is not installed. Therefore you need to follow this article:

<http://technet.microsoft.com/en-us/library/bb201691.aspx>

Microsoft Exchange 2013/2016

See this KB: Dynamic Verification with Exchange 2013 and 2016

Microsoft Office 365

See this KB: Directory Based Edge Blocking (DBEB) feature from Office 365

IBM Lotus Domino:

https://help.hcltechsw.com/domino/11.0.0/conf_restrictingwhocansendinternetmailtoyourusers_t.html

Postfix MTA:

http://www.postfix.org/ADDRESS_VERIFICATION_README.html

Once you have configured your server, login to Libraesva ESG and select menù:

System->Relay Configuration->Domain Relay

Edit a domain and select "Dynamic Verification". You can configure different policies for different domains.

Edit record ✕

Modify a Relay Domain

Mail Server:
Destination Mailserver IP Address or FQDN or domain

Port:
Destination Mailserver Port (Default:25)

Use MX:

Recipient Verification: **Valid Recipient List**
 Disabled
 Dynamic Verification

Dynamic Verification Server: -

Dynamic Verification Port: -

Antispoofing:
Select antispoofting verification policy.

Tag:
Enter a tag, to group items and quick search.

Valid Recipient List Verification

Even though it requires a more complex configuration, this method is more efficient and reliable than the above Dynamic Verification as the valid address check is completely done versus a local cached list without an online connection to any other server.

The Valid Recipient List is available under menù *System->Valid Recipient Verification*.

Valid Recipient Verification

Libraesva ESG will relay emails for all defined domains under Relay Configuration menu'.

For all domains where you selected "Valid Recipient List" as recipient verification method, the following email list will be applied:

Valid Recipient List LDAP Import Office 365 Import

Valid Recipient List

+ New Search Export Delete selected Text Import Delete All Entries Help

<input type="checkbox"/>	Valid Recipient	
<input type="checkbox"/>	[REDACTED]	 
<input type="checkbox"/>	[REDACTED]	 
<input type="checkbox"/>	[REDACTED]	 

This list of valid email addresses, can be populated in three different ways:

- Manually: by adding each accepted address one by one
- Text Import: from a text file import
- LDAP Import: via an LDAP Server Connection
- O365 Import: via O365 connector

The first method is convenient only for a very small deployment with a few static email addresses.

The second one is suitable in case you have a static email address list to import once; any update is manual.

The third one is the more advanced and allows synchronization between local valid recipient list and an LDAP server, like Exchange, Domino, Zimbra, etc.

The fourth one is the more advanced and allows synchronization between local valid recipient list and an O365 server.

Once you have populated your list apply it to your domain by selecting menù:

System->Relay Configuration->Domain Relay

Edit a domain and select "Valid Recipient List".

Edit record ✕

Modify a Relay Domain

Mail Server:
Destination Mailserver IP Address or FQDN or domain

Port:
Destination Mailserver Port (Default:25)

Use MX:

Recipient Verification: (Dropdown menu open with options: Disabled, Valid Recipient List, Dynamic Verification)

Dynamic Verification Server: -

Dynamic Verification Port: -

Antispoofing:
Select antispoofting verification policy.

Tag:
Enter a tag, to group items and quick search.

×**NOTE:** remember to populate your Valid Recipient List **BEFORE** configuring and applying it to your domain, or all received emails will be rejected until you populated the valid recipient list!