How to configure a redundant email destination route

This article is a guideline to configure Libraesva ESG final destination server redundancy.

In most cases a single final email server, typically your internal email server, it's the only setting you need to correctly route your incoming email.

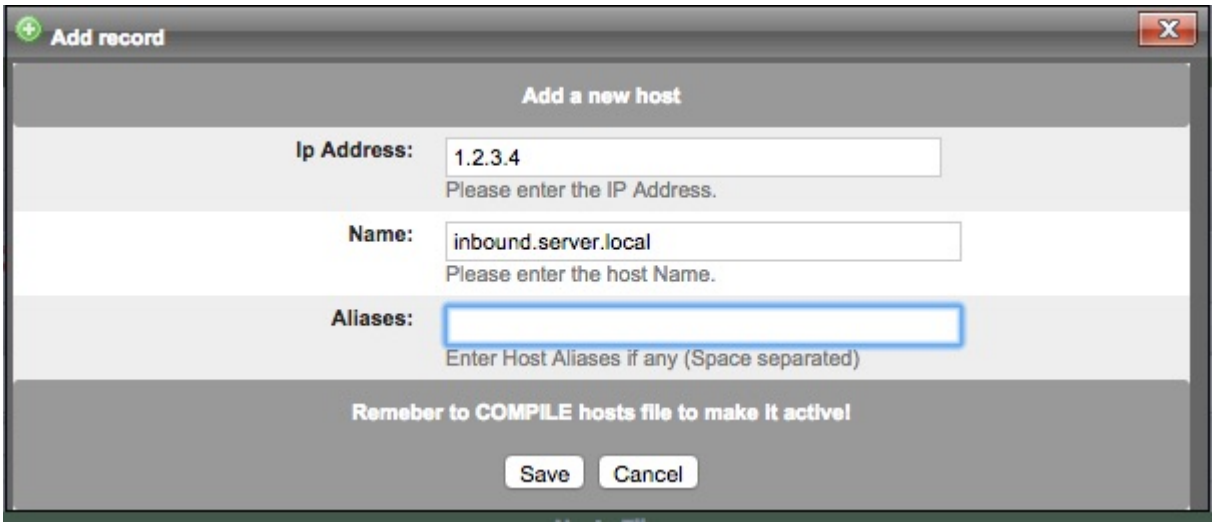
If you have a backup mail server (or a backup route to get to your email server) you may want to declare it also in Libraesva ESG to achieve high availability. The domain form does not allow to specify a secondary destination, and this article shows how to achieve this without relying on a DNS balancing solution.

Requirements

Libraesva ESG 3.4.1.0 as minimum version

Steps

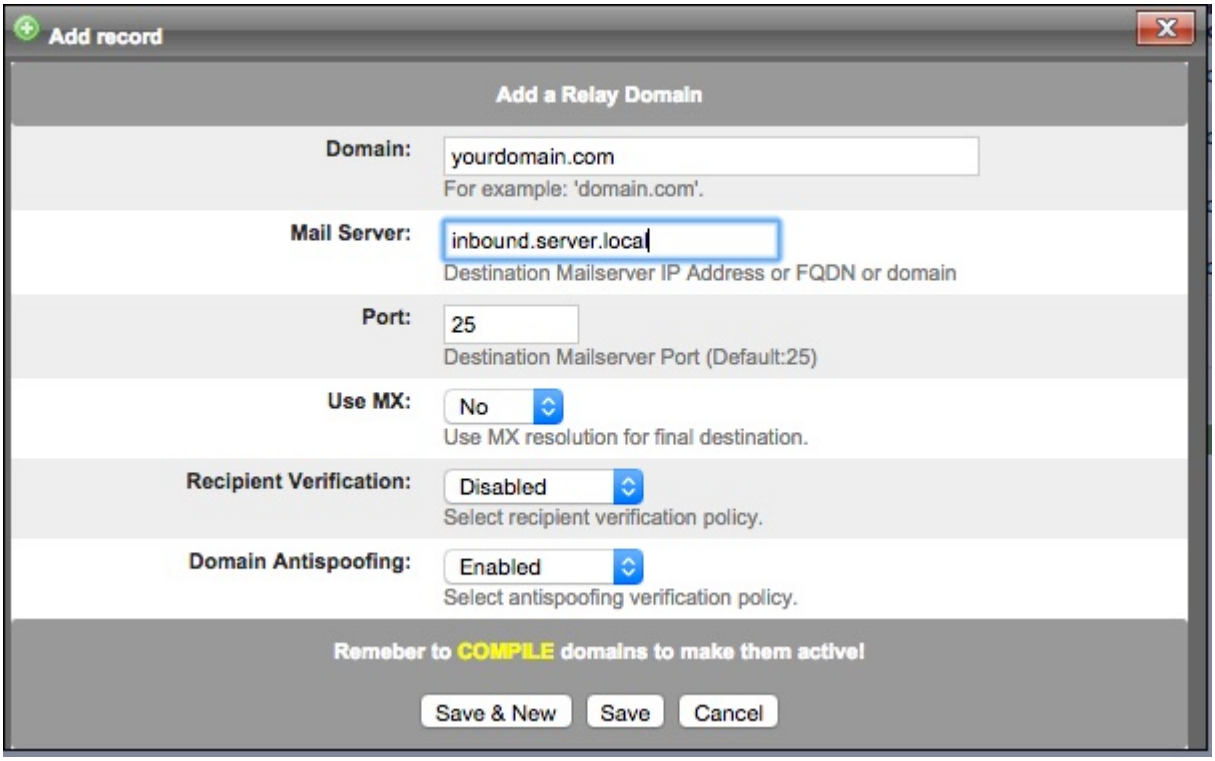
1. Go to menù *System->Networking & System Services->Network Settings* and look at the bottom section **Hosts File**
2. Add, with the priority order needed, your final destinations mappings. For example, suppose we have two routes for our email server, called inbound.server.local (1.2.3.4 and 4.5.6.7 are the email server ip addresses). We want a priority route on the first ip a.b.c.d. Press **New**:



   Continue adding in the same way the second IP (4.5.6.7) with the same hostname.

3. Press **Apply Settings**

4. Go to menù *System->Relay Settings* and **Edit** yourdomain.com settings to configure the final destination mail server. Enter inbound.server.local as Mail Server like shown below:



5. Press **Save** and **Apply Settings**
6. Done!

From now on, your incoming emails for domain yourdomain.com will be delivered by default to the 1.2.3.4 ip address. In case the 1.2.3.4 IP is unreachable for any reason Libraesva ESG will automatically switch to the secondary IP 4.5.6.7.

×**WARNING:** the solution does not guarantee that the backup route is used only if the primary route is unavailable. Due to MTA internal algorithms both routes are always evaluated and could happen that the backup route is used even if the primary one is available. If you need a strict primary / backup route use DNS.

×**NOTE:** this solution offers high availability paths to your final destination mail server, but does not offers Load Balancing. To achieve both HA & Load Balancing refer to this White Paper.