# **Relay Configuration**

# **Domain Relay**

Libraesva ESG carries out the relay for electronic mail directly to locally configured domains as well as for the computer indicated as belonging to a local IP address.

1110 30	stam Baparts	Quarantina	Search					
	Reports	Quarantine	Search					50
ppliance 👻	Mail Transport	Content An	alysis 👻 🖌	Authentication 🖣	High Availab	ility 👻		
			Libraesva	ESG Relay Con	figuration			
om this page y	ou can configure all rel	ay options for your sy	stem.					
omain Relay	Trusted Networks	SMTP Auth Relay	SPF Filtering	RBL Filtering	SMTP Restrictions	SMTP Checks Overric	de	
Local Config	gured Domains							
Libraesva ESO	is actually configured t	o relay mail for the fo	llowings domain	15:				
				Relay Domain List				
€New 🔎 S	iearch <table-cell> Export 🍿</table-cell>	Delete selected	Text Import 🗘 I	Relay Domain List Rebuilt All 📋 Red	ipient Verification	Set Antispoofing 🔗 Se	at Server	
€ New 🔎 S	earch <table-cell> Export 💼 Domain</table-cell>	Delete selected	Text Import 🗘 I	Relay Domain List Rebuilt All 📰 Rec Port 🗘 Recipie	cipient Verification 🤇	Set Antispoofing 🔅 Set Antispoofing	et Server ag Test	
New OS	earch Report m Domain	Delete selected 🛃	Text Import 🗘	Relay Domain List Rebuilt All 📰 Rec Port Recipio 25 Valid R	cipient Verification	Set Antispoofing Set Antispoofing Takes	ag Test	1
New S	iearch R Export 1111	Delete selected	Text Import 🗘 I	Relay Domain List Rebuilt All 🗮 Rec Port C Recipio 25 Valid R 25 D	ipient Verification C ant Verification Ar ecipient List Tru sabled Stan	Set Antispoofing Set Antispoofing Transitions Set Antispoofing Transitions Set Only	ag Test	<ul><li>✓ 10</li><li>✓ 10</li></ul>
<ul> <li>New PS</li> <li>365demo</li> <li>EsvaRbl.</li> <li>esvaspar</li> </ul>	earch Rexport 1111	Delete selected	Text Import 🗘 I	Relay Domain List Rebuilt All IIIRed Port Recipie 25 Valid R 25 D 25 D	cipient Verification Cont Verification Are ecipient List Tru sabled Stan	Set Antispoofing Set Antispoofing Set Antispoofing Transition Transition Set Only dard (SPF) esvarbl dard (SPF) spamtest	ag Test	<ul> <li>✓ û</li> <li>✓ û</li> <li>✓ û</li> </ul>
<ul> <li>New PS</li> <li>365demo</li> <li>EsvaRbl.</li> <li>esvaspar</li> <li>libraesva</li> </ul>	earch Rexport 1111	Delete selected 🛃	Text Import 🗘 ail Server	Relay Domain List Rebuilt All IIRec Port Recipie 25 Valid R 25 D 25 D 12725 Valid R	cipient Verification Ar ecipient List Tru sabled Stan isabled Stan ecipient List Stan	Set Antispoofing Set htispoofing Transition sted Only dard (SPF) esvarbl dard (SPF) spamtest dard (SPF)	at Server ag Test	<ul> <li>1</li> <li>1&lt;</li></ul>
<ul> <li>New P S</li> <li>365demo</li> <li>EsvaRbl.</li> <li>esvaspar</li> <li>libraesva</li> <li>not-spam</li> </ul>	earch Resport 111	Delete selected 🛃	Text Import 🗘 ail Server	Relay Domain List Rebuilt All I Recipion 25 Valid R 25 D 25 D 12725 Valid R 12725 D	cipient Verification Continued and Continued	Set Antispoofing Set Antispoofing Set Antispoofing Transition Set and	ag Test	
New S S 365demo EsvaRbl. esvaspan libraesva not-spam sink@esv	earch Resport 1000000000000000000000000000000000000	Delete selected	Text Import 🗘 ail Server	Relay Domain List Rebuilt All Image Recipion 25 Valid R 25 D 25 D 12725 Valid R 12725 D 12725 D	cipient Verification Arr ecipient List Tru sabled Stan ecipient List Stan ecipient List Stan ecipient List Stan sabled Stan	Set Antispoofing Set Antispoofing Set Antispoofing Transition Set and	at Server ag Test b b b b b b b b b b b b b b b b b b b	

The first part (**Domain Relay**) serves to configure the email domain considered local by ESG, for which to therefore accept mail.

Libraesva ESG is capable of managing mail for multiple domains, in addition to the one specified during the installation procedure. To add an additional domain press the **New** button and fill in all required informations:

	EMAIL SECURITY	
Home System Reports Quarantine	Search	80
Appliance - Mail Tran	3	< .
	Add a Relay Domain	
Don	nain:	
From this page you can configu Mail Se	rver:	
Local Configured Domain	Port: 25	
Libra ESVA is actually configu	Destination Mailserver Port (Default:25)  MX: No  Use MX resolution for final destination	
New      Search      Exp     Recipient Verifica	tion: Disabled	
Doma Dynamic Verification Se	Select recipient verification policy.	Test
Dynamic Verification I libra.it Antispoo	Port: - Trusted On	▶ 🖋 🛍
libraesva.com	Select antispoofing verification policy.	Þ 🥟 🛅
newdomain2.com	Tag:	Þ 🖋 🏛
	Save & New Save Cancel	

 Domain: is the new domain name you want to add. You can specify also a single email to achieve a special route or include all subdomains by inserting a trailing dot before the domain name: *domain.com*

Subdomain must be declared (i.e. subdomain.example.com)

You can also add a mail address as a domain to obtain more granular options.

- $\circ\,$  Mail Server: indicates the final destination mail server where Libraesva ESG will forward the scanned email to
- **Port:** the Mail Server port (default 25)
- $\circ$   $\mbox{Use}$  MX: use DNS MX resolution of what indicated as Mail Server above to find out final destination
- **Recipient Verification:** select recipient verification policy. (Disabled/ Valid Recipient List /Dynamic Verification)
- **Dynamic Verification Server:** the dynamic verification server address (available only if Dynamic Verification is selected as Recipient Verification method)
- **Dynamic Verification Port:** the dynamic verification server port number (available only if Dynamic Verification is selected as Recipient Verification method)

- Domain Antispoofing: select antispoofing verification policy (Standard SPF / Trusted Only)
- $\circ$  Tag: label used for massive searches/modifications

**Recipient Verification:** allows relaying emails only for existent email addresses, and it is a best practice to enable it.

**Antispoofing:** is a feature that prevent relay of email coming from the domain itself unless the sending server is not present in the following Trusted Networks list. For this reason cross check you added all trusted mail server that are sending email from your domain through Libraesva ESG before enabling this feature.

**Test:** is a feature that allow to send a mail from Libraesva ESG to the relay server configured for the domain in order to test the email delivery, e.g. before going to production.

×NOTE: You can import multiple domains from a text file by clicking Text Import button

# **Trusted Networks**

Libraesva ESG allows relay from all Trusted Networks and hosts defined here.



Home	Syster	n Reports	Quarantine	Search				080
Appliar	ice 🗸	Mail Transport	- Content An	alysis 👻 🛛 A	Authentication 🚽	High Availabil	ity 👻	
				Libraesva	ESG Relay Cont	iguration		
From this	page you o	an configure all re	lay options for your sy	stem.				
Domain	Relay	rusted Networks	SMTP Auth Relay	SPF Filtering	RBL Filtering	SMTP Restrictions	SMTP Checks Override	
Truste	ed Hosts a	and Networks						
Libraes	sva ESG is a	ctually configured	for relay from the follo	owings trusted n	etworks and hosts:			
				Trust	ed Networks/Hosts	List		
<b>O</b> N	ew 🔎 Sea	rch <u>R</u> Export	Delete selected 🥼	Apply Settings				
		Add	ress			Comment		
0								A 🖉
2	75 \$	₩ 4 1‡	🕨 🕅 🗘 Displayi	ing rows 1 to 1 of	1			
Mana	ge Hoste	d Services						
Please	check the o	options below only	in case you need to ro	oute email <b>outbo</b>	ound from Office 3	55 or Google Suite:		
🕑 Tru	st Microsof	t Office 365 ACTIV	Ε.					Disable
🗹 Tru	st Google S	uite ACTIVE.						Disable
When t	he above o	ptions are enabled	d Libraesva ESG will au	tomatically man	age the IP ranges f	or Office 365 and/or G	oogle. Updates are performe	d daily.
								_

Typically you will add your internal mail server, or any host you want to authorize to send email through Libraesva ESG.

**×NOTE:** This allows only relay and is not a whitelist function. So emails received from these hosts/networks will be analyzed for spam. If you need to whitelist this traffic add in addition a whitelist entry from menù Lists.

## **SMTP SASL Auth**

SMTP Auth Relay allows configuration of credentials for authenticated SMTP sessions, which will be relayed by Libraesva ESG.



lome Sys	tem Reports	Quarantine	Search				
Appliance 👻	Mail Transport	- Content An	alysis 🗸 🛛 Au	uthentication <del>-</del>	High Availabil	ty 🗸	
			Libraesva E	SG Relay Conf	iguration		
From this page y	ou can configure all re	lay options for your sy	stem.				
Domain Relay	Trusted Networks	SMTP Auth Relay	SPF Filtering	RBL Filtering	SMTP Restrictions	SMTP Checks Override	
SMTP SASL	Accounts						
Libraesva ESG	is actually configured	for relay from the follo	wings authentica	ited users:			
			Libraesv	a ESG SMTP Auth	Users		
🕄 New 🔎	Search 💼 Delete se	elected					
		Username			F	assword	
			Ν	lo records found			
P 14 4	▶ NI						

Libraesva ESG allows relay from any SMTP authenticated client.

To add an additional user, please provide username and password and click **New** button. To change password for an existing user simply re-add the same username with the new password.

Authentication ports supported are:

- 25
- 465 (SMTPS)
- 587 (Submission)

**\*WARNING:** SMTP Auth passwords are easily intercepted as users share them. We do not recommend creating SMTP Auth sessions.

You can also select LDAP authentication method to verify connections.

### **SPF Filtering**

Libraesva ESG can do SPF (Sender Policy Framework) checks at SMTP level on both HELO

#### and MAIL-FROM commands.



You can reject mails that will not pass the check. This control can be more or less restrictive, depending on the following options available for both checks:

- **SPF\_Not\_Pass:** reject mail if SPF Check result is not 'Pass/None/Tempfail'
- SoftFail: reject mail if SPF Check result is 'Softfail' and 'Fail'
- Fail: reject mail if SPF Check is 'Fail'
- $\circ$  Null: only reject 'Fail' for Null sender (SPF Classic)
- False: never reject/defer, append header only

×We recommend action 'Fail' on both checks, as the hard fail respects the sender explicit policy. SoftFail will come to some False Positives due to common sender inaccuracy when defining SPF records Reference: http://www.openspf.org/RFC\_4408#op-result

You can also add SPF Checks exceptions for some sender domains. To do that just add the sender domain in the Sender Domain SPF Checks Exception list.

### **RBL Filtering**

Any antispam filter uses public RBL's to arginate spam. Libraesva ESG makes no exception and from this page you can define which RBL's you want to use.

me system Reports Quar	antine Social Graph Search		00
ppliance - Mail Transport - Co	ontent Analysis + Authentication +	High Availability 🚽	
	Relay Configuration		
om this page you can configure all relay options	for your system.		
omain Relay Trusted Networks SMTP A	uth Relay SPF Filtering RBL Filtering	SMTP Restrictions SMTP Checks Overrie	de
From this panel you can specify which public Ri RBL Filtering	Ls Libraesva ESG will use.		
New 🔛 Export 💼 Delete selected 🛕	Apply Settings		
RBLAddress		Comment	Enabled
bl.spamcop.net=127.0	SpamCop		No 🥜 🔎 🃋
Cbl abuseat.org	CBL Abuseat		No 🥜 🔎 🏛

To add and enable an RBL entry press the New button and specify RBL address.

### **SMTP** Restrictions

From this panel you can configure rejects based on SMTP protocol restrictions.



Home	Syster	n Reports	Quarantine	Search				
Applian	ce 🗸	Mail Transport	- Content An	alysis 🚽 🛛 A	uthentication 🚽	High Availabil	ity 🗸	
				Libraesva E	SG Relay Conf	figuration		
From this	page you (	an configure all re	lay options for your sy	stem.				
Domain R	telay T	rusted Networks	SMTP Auth Relay	SPF Filtering	RBL Filtering	SMTP Restrictions	SMTP Checks Override	
Conne	ction Res	strictions						
This opt	ion reject	s the request when ng <b>ACTIVE.</b>	the client IP address h	as no address->r	name mapping.			Disable
HELO I	Restrictio	ons						
These o	ptions res	trict what hostnam	es clients may send w	th the HELO (EHI	.O) command.			
🖉 Requ	uire Fully C	ualified Hostname	ACTIVE.					Disable
🕑 Requ	uire Resolv	able Hostname <b>AC</b>	TIVE.					Disable
SENDE	R Restric	tions						
These o	ptions res	trict what sender a	ddresses this system a	ccepts in MAIL FI	ROM commands.			
🥑 Requ	uire Fully C	ualified Domain N	ames ACTIVE.					Disable
🖉 Reje	ct Unknow	n Sender Domain	ACTIVE.					Disable

#### **Connection Restrictions**

The RevDNS option rejects the message when the client IP address has no IP address->name mapping.

#### **HELO Restrictions**

These options restrict what hostnames clients may send with the HELO (EHLO) command. By default Libraesva ESG require the sender to announce with a FQDN hostname that is correctly registered into a public DNS.

#### **SENDER Restrictions**

These options restrict what sender addresses this system accepts in MAIL FROM commands. By default Libraesva ESG require a Fully Qualified Domain Name as sender address and rejects Unknown (ie not in any DNS) Sender Domains.

### **SMTP Checks Override**

From this panel it is possible to configure a list of IPs that will override SMTP checks.

This is very handy when a particular sender is blocked by an SMTP check (i.e. RBL Listed, Antispoofing check, SPF, etc.) and you need a permissive rule to allow relay from it's IP.

					EMAIL SEC	URITY		
me Sys	stem Repor	ts	Quarantine	Search				00
opliance 👻	Mail Transp	ort 🗸	Content An	alysis 👻 🖊	Authentication 🚽	High Availabil	ity 🗸	
				Libraesva	ESG Relay Con	figuration		
m this page y	ou can configure a	l relay o	ptions for your sy	stem.				
main Relay	Trusted Networ	cs S	MTP Auth Relay	SPF Filtering	RBL Filtering	SMTP Restrictions	SMTP Checks Override	
MTP Check rom this pan	s Override el it is possible to c rom those IP will b	onfigure always	e a list of IPs that v accepted even if s	vill <b>override SM</b> sender IP is liste	I <b>TP checks.</b> ed at RBLs or has inv	valid SPF or invalid sen	ders domains, <b>USE WITH C</b>	ARE!
SMTP Check From this pan Connections f	s Override	onfigure always	e a list of IPs that v accepted even if s	vill <b>override SM</b> sender IP is liste	I <b>TP checks.</b> ed at RBLs or has in	valid SPF or invalid serv	ders domains, <b>USE WITH C</b>	ARE!
SMTP Check From this pan Connections f SMTP Check	cs Override el it is possible to c rom those IP will b cs Override List Export in Delet	onfigure always	e a list of IPs that v accepted even if : od	vill <b>override SM</b> sender IP is liste	I <b>TP checks.</b> ed at RBLs or has in	valid SPF or invalid sen	ders domains, <b>USE WITH C</b>	ARE!
SMTP Check From this pan Connections f SMTP Check New	cs Override el it is possible to c irom those IP will b cs Override List Export III Deleta IP	always selecte Addres	e a list of IPs that v accepted even if : id	vill <b>override SM</b> sender IP is liste	I <b>TP checks.</b> ed at RBLs or has in:	valid SPF or invalid send Comment	ders domains, <b>USE WITH C</b>	ARE!
SMTP Check From this pan Connections f SMTP Check	ks Override el it is possible to c rom those IP will b ks Override List Export i Delet IP	e always e selecte Addres	e a list of IPs that w accepted even if : id	vill override SM sender IP is liste arrow clas	I <b>TP checks.</b> Id at RBLs or has int	valid SPF or invalid send	ders domains, <b>USE WITH C</b>	ARE!
SMTP Check From this pan Connections f SMTP Check New	cs Override el it is possible to c from those IP will b cs Override List Export Delet IP	onfigure e always e selecte Addres	e a list of IPs that w accepted even if s d	vill <b>override SM</b> sender IP is liste arrow clas	I <b>TP checks.</b> ed at RBLs or has in:	valid SPF or invalid send	ders domains, <b>USE WITH C</b>	ARE!
SMTP Check From this pan Connections f SMTP Check New	ks Override el it is possible to c rom those IP will be ks Override List Export Deleta IP	e always e selecte Addres	e a list of IPs that w accepted even if : id	vill override SM sender IP is liste arrow clas MX libraes	ITP checks. ed at RBLs or has int ss	valid SPF or invalid send	ders domains, <b>USE WITH C</b>	ARE!
SMTP Check From this pan Connections f SMTP Check The New Construction New Construction New Construction Const	As Override el it is possible to c from those IP will b as Override List Export Delett IP	e selecte Addres	e a list of IPs that w accepted even if s ad s Displaying rov	vill <b>override SM</b> sender IP is liste arrow clas MX libraes ws 1 to 3 of 3	ITP checks. ed at RBLs or has in et as sva.com	valid SPF or invalid send	ders domains, <b>USE WITH C</b>	ARE!
SMTP Check From this pan Connections f SMTP Check New New 75 ¢	ks Override el it is possible to c rom those IP will be ks Override List Export Deleta IP	onfigure always selecte Addres	e a list of IPs that w accepted even if : ad s Displaying rov	vill override SM sender IP is liste arrow clas MX libraes vs 1 to 3 of 3	ITP checks. d at RBLs or has int is sva.com	valid SPF or invalid serv	ders domains, <b>USE WITH C</b>	ARE!

To add a new exception press New button and specify sender IP and a comment.

**\*WARNING:** Connections from those IP will be always accepted even if sender IP is listed at RBLs or has invalid SPF or invalid senders domains, use with care!