

# How can I improve the web portal performance?

## PROBLEM

I have just increased my system resources but web portal still runs slow.  
How can I improve the portal performance?

## SOLUTION

First step to have good performance is the increasing of resources (CPU/RAM).  
Sometimes improving just the engine hardware isn't enough.

To do this simple task we can use the web interface:

**System->Mail Transport->MTA Advanced Configuration->MTA variables** (System->Advanced MTA Configuration -> MTA variables in version 3.x)

Try to adjust the parameter System Load Capacity:

“medium/large” level of these variables can give more speed to system. This will also modify web service and database configuration.

Mail Transport Agent Settings

Libra Esva relies on Postfix as MTA. It comes with many defaults settings. From this page you can tune some of them. For other please ask support.

MTA Variables External SmartHost

MTA Variables

Change these variables with caution as incorrect values could make your MTA unusable.

System Resources

This setting will allocate resources to several backend services. Incorrect settings may take your system to an unusable state.

System Load Capacity: **Small** (\*) Pre-allocate system services resources accordingly to system load average.

MTA Queue Lifetime

These parameters will **Extend Large** your Libra Esva will keep retry queue before giving up.

Bounce Queue Lifetime: 5d (\*) Default 5d

Maximal Queue Lifetime: 5d (\*) Default 5d

**Warning!**

This deployment requires at least:

- 16 Gb RAM
- 4 vCPU
- Enterprise Storage Performances

Please upgrade Virtual Machine hardware if necessary!

Ok

SMTP Banner

My Hostname:

MTA Banner: \$myhostname ESMTP \$mail\_name

Recipient Limit

Max Recipients x Message: 1000 (\*) Default is

Denial of Service Protection

Max Connection Count: 50 (\*) The maximum number of connections that an SMTP client may make simultaneously (Default: 50).

Max Connection Rate: 0 (\*) The maximum number of connections that an SMTP client may make per minute (Default is 0: no limit).

Max Message Rate: 0 (\*) The maximum number of message delivery requests that an SMTP client may make per minute (Default is 0: no limit).

Max Recipient Rate: 0 (\*) The maximum number of recipient addresses that an SMTP client may specify per minute (Default is 0: no limit).

Client Exceptions:  (\*) Clients that are excluded from rate limit restrictions (Comma separated values of ip/bit mask)

HA-Proxy Protocol

Enable HA-Proxy Protocol: **No** (\*) Default is No. Set to Yes if you have an HA-Proxy based Load Balancer.

Load Balancer IP Address: 127.0.0.1 (\*) This host will be used as SMTP server to release messages (Set to 127.0.0.1 when HA-Proxy disabled).

Save

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We suggest to keep DB smaller with a lower retention, and finally balancing we request across nodes will obviously give more speed.