

Libra Esva

Email Security Virtual
Appliance

Marketing & Sales



Company Profile

Libraesva is the Italian leading company in the development of advanced email security solution, positioned among the most important brands in the world of computing security.

Since its birth, Libraesva develops the e-mail security gateway ESVA - Email Security Virtual Appliance - that has stood out on the national and international markets with a steady growth.

In a short time, the adoption of the solution increased and the company has been able to pursue a successful internationalization strategy, thanks to its ability to provide advanced protection against cyber attacks and threats.

Many awards confirm the excellence of Libraesva and of its email security gateway solution: from the renowned Red Herring Top 100 Europe Award, which selected Libraesva among the best start-ups operating in the field of innovation and technology, to the Computing Security Awards in London, where Libraesva won for three years in a row as "Best Antispam Solution of the Year". In addition there are numerous technology awards of the prestigious Virus Bulletin that always reconfirms Libra ESVA as one of the best and effective protection and e-mail content systems analyzer on the market.



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Product Description

Libra ESVA – Email Security Virtual Appliance – is an email security gateway that has independently verified industry leading spam block rates and incorporates proprietary innovative technologies – like URLSand and QuickSand Protection - to provide their customers with protection against advanced threats and attacks from the evolving threat landscape.

Libra ESVA is available as on premise virtual appliance or as cloud service and it allows companies to enforce their email acceptable use policy and protects their employees from spam and targeted threats thanks to its flexible and powerful settings and reporting, together with URLSand and QuickSand Protection and 14 levels of Anti-Spam, Anti-Virus, Anti-Trojan, Anti-Phishing and Anti-Malware Analysis.

Libra ESVA works with any SMTP mail server and provides in depth security analysis for all inbound & outbound messages.

By managing e-mail traffic, the risks to productivity, network resources and legal liability can be significantly reduced.

25 Words Description

Libra ESVA is the most effective email security gateway that provides in depth analysis for all inbound and outbound messages, significantly reducing threats and attacks.

50 Words Description

Libra ESVA is the most effective email security gateway that provides in depth analysis with 14 layers of protection and the innovative sandbox functionalities. Libra ESVA is available as on premise virtual appliance or as cloud service and protects companies from spam and targeted threats, enforcing their email acceptable use policy.

100 Words Description

Libra ESVA is the most effective email security gateway that provides in depth analysis with 14 layers of protection and the innovative Sandbox functionalities. Libra ESVA is available as on premise virtual appliance or as cloud service and it works with any SMTP mail server. The solution allows companies to enforce their email acceptable use policy and protects their employees from spam (up to 99,99%) and targeted threats. Libra ESVA has an effective detection against spam, viruses, trojans, malware and zero day attacks and managing e-mail traffic, the risks to productivity, network resources and legal liability can be significantly reduced.

150 Words Description

Today, more than 85% of email is unsolicited, unwanted and dangerous. At best, deleting those wastes time but, at worst, spam and targeted threats create a hostile work environment and an unsafe atmosphere exposing your pc to malware and other security problems.

A whole protection is fundamental for your successful business and, in so doing, Libra ESVA is the most effective email security gateway that ensures your communications and provides in depth analysis for all inbound and outbound messages.

Libra ESVA allows companies to enforce their email acceptable use policy and protects their employees from spam (up to 99,99%) and targeted threats, thanks to its flexible and powerful settings and reporting, together with the new URLSand and QuickSand Protection and 14 levels of Anti-Spam, Anti-Virus, Anti-Phishing and Anti-Malware analysis.

Libra ESVA is available as on premise virtual appliance or as cloud service and it works with any SMTP mail server.

Splash Messages

Libra ESVA is an e-mail gateway entirely developed in Italy, recognized among the best solution to the problems that daily affect business communications and email.

- ✓ Virtual appliance on VMware, Microsoft Hyper-V and Citrix Xen
- ✓ High level of integration with the infrastructure of the existing mail server
- ✓ Immediate details of rejected or sent email
- ✓ Multi-level quarantine management even on mobile devices
- ✓ Multi-layer engine for an effective protection against spam (up to 99.99% and false positives approaching zero), viruses, malware and zero days
- ✓ Active- Active Cluster and simple and intuitive web interface administration
- ✓ QuickSand Protection: to identify active contents inside attachments, and URLSand Protection: to check links written in the email

Main Features

- / Certified Virtual Appliance
- / Available as on premise virtual appliance or as cloud service
- / Simple and intuitive HTTP interface
- / Integration with any email server
- / Highly scalable
- / Antispam Multi-Layer Engine
- / Complete report
- / Consolidation of servers & quarantines
- / Mobile Apps
- / Hourly updates
- / Backup and Update System included
- / Unlimited, heterogeneous and prioritized domains
- / SMTP Policy Quota
- / Graymailing
- / Personal Whitelists and Blacklists
- / Different Antivirus Engine
- / Active-Active Cluster
- / Distributed Setup
- / URLSand Protection
- / QuickSand Protection
- / Dictionary Based Rules

Technical Features

- ACTIVE-ACTIVE CLUSTER: Libra Esva Cluster allows quarantine stabilization, geographical displacement, configuration via Web GUI, multi-master architecture (shared configuration but contemporary presence on both hubs, periodic database maintenance by the primary hub).
- ANTIVIRUS PROTECTION: Libra Esva includes ClamAV antivirus engine that offers scanning of all incoming and outgoing email. It is auto updating thus ensuring the last management and utmost protection. In addition you can choose Avira and BitDefender additional options to get high reduction of signature obtaining time, better odds to be provided with a proper defence at the right moment and a better protection against virus, phishing, malware and trojan.
- ADVANCED MULTILAYER PROTECTION: 14 levels of Anti-Spam Anti-Virus, Anti-Phishing, Anti-Trojans, Anti-Malware analysis to enforce companies e-mail acceptable use policy - 98% of spam is caught at SMTP level!
- END USER SPAM MANAGEMENT: Libra ESVA allows daily schedulable quarantine report, schedulable digest report, forwarded via email, and real time management, via web portal and ESVA personal apps. Using hyperlink included in the digest, the end user has the possibility to independently release any required email.
- COLLABORATIVE DETECTION and ESVA LABS: our collaborative detection system allows to quickly detect new threats, thus, Esva Labs real time adjust protection.
- FULL REPORTING SUITE: Libra Esva contains a comprehensive reporting suite providing graphical reports, including top spam recipients, top email recipients and many more, like a "live report" of all the email passed through Libra Esva.
- MULTIPLE/HETEROGENEOUS DOMAINS SUPPORTED: Libra Esva protects an unlimited number of domains that can be connected to an unlimited and heterogeneous number of email servers, like Microsoft Exchange, Domino, Zimbra or any other SMTP server.
- FULLY AUTOMATED UPDATING: every updates are automated and, so, require minimal management.

- **GRAYMAILING FILTER:** marketing email are automatically blocked and Libra Esva engineers provide domains categorization and IP classification.
- **HA DISTRIBUTED SETUP:** Libra Esva allows centralized management of unlimited instance number, with a unique master architecture and unlimited slave instances. Configuration is prepared on Master and sent to slave instances via push technology.
- **QUICKSAND PROTECTION:** Libra Esva QuickSand Protection uses sophisticated techniques to evaluate advanced threats that are traditionally missed by signature-based and reputation-based solutions. The QuickSand functionality is able to detect and classify active contents in all Microsoft Office Documents and PDF files. Based on analysis result you then have the option either to remove the active content and deliver the sanitized document or to block the entire document
- **URLSAND PROTECTION:** Libra Esva re-writes every link in every email and points it to Esva cloud sandbox for the content analysis. Our sandbox continually works, analyzing the dangerous link, even those already categorized as 'good', before reaching the target site.
- **WHITELISTS and BLACKLISTS:** Libra Esva allows the configuration of personal whitelists and blacklists, filling in information of known individuals from whom the user wants or doesn't want to receive mail.

Worst Threats & Attacks

1. Malware

What is malware?

Malware generally refers to software programs designed to damage or do other unwanted actions on a computer system.

What can Libra Esva do against malware?

Libra ESVA utilizes a multi-layered approach to protect its customers from the ever growing threat of malware. In addition to searching for malware, Libra ESVA extends this search to include scanning of inbound and outbound emails for malware, spyware, targeted and combined threats.

Libra ESVA's multi layered engine dedicates the following 4 layers to detect malware:

- **Filename Checks:** all incoming and outgoing email attachments are matched against a default block list of extensions that are not permitted, as they are considered dangerous and a potential security issue. Blocked extensions (.exe, .js, .vbs, etc) are checked also inside archives, even password protected ones.
- **Filetypes Checks:** this layer checks for file type compliance against a default file type list, that blocks all potential security mime file types, whatever extension they have. Checks are also performed inside unprotected password archives.
- **HTML Content Disarm:** this feature automatically analyses HTML inside messages and disables any potential dangerous content (by disabling specific HTML tags). An html email can include tracking images, forms, scripts, i-frames. These elements can load external content and execute code within user email client. This layer can strip out and disarm these tags from email messages.
- **QuickSand Protection:** document sanitization involves cleaning or purging files of dangerous active content. Active content exists everywhere. Its purpose is to provide the user with a more interactive experience within a document. Hackers, however, insert their own active content into either purpose-built or compromised documents – for example inside a PDF or Office documents distributed as email attachments. This needs to be detected. Since the active code will rarely affect the information content, it is a good idea to simply remove it. This feature can be tuned to remove all active contents or to look for potentially malicious macros in common Microsoft Office document formats and remove only these ones. The whole heuristic macro detection and document sanitization process runs entirely at the gateway, without sending any information outside of the organization and with limited impact on performance.

2. Phishing

What is phishing?

Phishing generally refers to email messages that appears to come from trusted companies but, then, attempt to send people to fake websites where you are asked to give out your sensitive personal details. In so doing, companies commit identity fraud.

What can Libra Esva do against phishing?

Libra ESVA's multi layered engine dedicates the following 3 layers to phishing attacks:

- **Message Analysis:** this layer reviews thousands of possible attributes in every email to accurately filter phishing messages.
- **Phishing Highlight:** this layer is exclusive to Libra ESVA and highlights all 'unsafe' links by appending a red inline customizable string. The flagged links are those where the real address of the link in the message is not the same as the text that appears to be the link; or are simply numeric links, which are very hard to understand.
- **URLSand Protection:** the URL Sandbox layer provides real-time analysis of all URLs that are embedded within inbound emails. When a user clicks an URL, a landing page prompts the user to initiate URL analysis. If the sandbox analysis determines that the link is phishing, the site is blocked. If the link is not malicious, the user is automatically redirected to the requested website. The user is then protected on every device. This layer extends link protection to include when URLs are accessed, and not only when the email arrives.

3. Virus

What is virus?

Virus is a program or programming code that replicates by being copied or initiating its copying to another program, computer boot sector or document.

Viruses can be transmitted as attachments to an e-mail note or in a downloaded file, or be present on a diskette or CD.

Some viruses wreak their effect as soon as their code is executed; other viruses lie dormant until circumstances cause their code to be executed by the computer.

What can Libra Esva do against viruses?

As part of their mailbox subscription, customers are provided with the protection of leading antivirus vendor ClamAV®. ClamAV® is an open source cross platform anti-virus engine.

ClamAV® updates its virus database multiple times per day.

In addition to ClamAV®, Libra ESVA customers can benefit from the following additional layers of protection from email borne viruses, worms and Trojans provided by market leading anti-virus providers:

- Avira®. Avira® is a leading provider of endpoint anti-virus protection.
Avira's® integration provide an Advanced Heuristic layer of protection than can proactively uncover unknown malware i.e. before a signature is available to combat the malware.
- Bitdefender®. Bitdefender® include anti-virus and anti-spyware capabilities against internet security threats such as viruses, Trojans, rootkits, "aggressive adware," spam and others. BitDefender® has recently entered the 'Visionaries' quadrant in the 2016 Gartner® Endpoint protection quadrant.

4. Spam

What is spam?

Spam is the common term for electronic "junk mail" or unwanted messages sent to an email account.

What can Libra Esva do against spam?

Libra ESVA provides highly accurate spam blocking with a spam catch rate up to 99.99% (VB, March 2016) and very low false positives.

Central to the Libra ESVA spam approach is the principle of complete transparency on all incoming and outgoing messages. This transparency has been well received by its customers and industry peers. Libra Esva was honoured to receive the prestigious Best SPAM Filter award at the Computing Security Awards 2016, an award Libra ESVA have been the proud recipient of for an unprecedented 3 consecutive years.

In addition, Libra ESVA has been listed in the top 3 spam blockers by independent body Virus Bulletin from 2010 to date.

Libra ESVA's multi layered engine uses the following layers to identify spam:

- **Public RBL Checks:** the real-time blacklists, blocks all messages from TCP /IP addresses known to be sources of spam or host spammers
- **IP Analysis:** Libra ESVA makes a series of additional analysis on sender IP addresses, such as DNS control and their correct configuration.

- **Spam Score:** Libra ESVA runs a series of check to determine if an email is spam. Each check is attributing a score to the email and the final score indicates to the system if the email is spam or ham.
- **Bayesian Analysis:** based on probability and statistics, the Bayesian filtering is another methods used by Libra ESVA to determine if an email is spam or not.

In addition to the above layers, Libra ESVA also uses the following unique layers to identify spam:

- **Local RBL Checks:** this layer is able to mitigate new large targeted spam campaigns by blocking them at the connection level. Local RBL Service is an application that runs in the background every few minutes maintaining a 23 hour history of each IP address that send emails through Libra ESVA. The service will block an IP address when it has sent more that a configured number of definite spam messages within the previous 23 hours, and has not sent any definite ham messages.
- **Libra ESVA SMTP Policy module:** this module offers SMTP usage based quota. The service supports message count and message cumulative size over a user defined period of time. By using this module, customers can prevent issues like outgoing spam outbreaks that can rapidly raise in volumes and have catastrophic consequence on your domain reputation.
- **Esvalabs Service:** this service provides a incomparable update service. Email security consultants analyze all feedback from live installation re missed spam and false positives submitted and update the system so that the updates are available to all Libra ESVA clients in their hourly updates.

Libra ESVA Docs and Materials

Logo & Graphics



Logo and graphics are available on Libraesva Partner Portal.



Screenshot



Datasheets

- / Libraesva Company Profile
- / Libra ESVA Highlights
- / Libra ESVA Cluster
- / Libra ESVA for Office 365
- / Libra ESVA Labs
- / Libra ESVA for the Education
- / Libra ESVA ISP Program
- / Libra ESVA SMTP Policy Quota
- / Libra ESVA Partner Program
- / Libra ESVA Sanboxes

Datasheets are available on Libraesva Partner Portal.



Case Studies

- / Mollificio Sant'ambrogio
- / Casa Vinicola Zonin
- / Gruppo Falck
- / Gruppo Italtelo
- / Università degli Studi di Palermo
- / Comune di Teramo
- / Bricofer
- / Seletti
- / ASUR Marche
- / UNA Hotels
- / Imarest
- / Phoenix Mecano
- / Church of the Nazarene
- / **To be continued ...**

Case Studies are available on Libraesva Website.



Taglines

- / Free yourself from cyber threats and breathe easier!
- / Virtual Appliance, real protection!
- / Choose simplicity for your complex problems!

Proof Points

- / Libra ESVA is the most effective and easy-to-use email security gateway
- / Libra ESVA provides seamless integration with any SMTP Server
- / Libra ESVA is available as on premise virtual appliance (with any VMware, Citrix Xen, Microsoft Hyper-V system) or as cloud service
- / Libra Esva blocks up to 99,99% of unwanted and unsolicited spam messages (Virus Bulletin, March 2016)

Videos

2014, Computing Security Awards, London



2015, Computing Security Awards, London



2016, Computing Security Awards, London



Presentations



Events Road Show

- / 2nd International Cyber Security Conference in Saudi Arabia 2017
- / Arrow ECS University 2015
- / Arrow ECS University 2016
- / Arrow ECS University 2017
- / BETT Show 2017 - London
- / Computing Security Awards 2014
- / Computing Security Awards 2015
- / Computing Security Awards 2016
- / Infosecurity 2015
- / Infosecurity 2016
- / 1st Libraesva Partner Event 2016
- / 2nd Libraesva Partner Event 2017
- / Red Herring Top 100 Awards 2016
- / SC Magazine Awards 2016
- / SC Magazine Awards 2017
- / Security Summit 2017 – Milan
- / Security Summit 2017 – Rome
- / **To be continued ...**

International Awards

Computing Security Awards



SC Magazine Awards



Red Herring Top 100 Europe Awards



Virus Bulletin Verified



Support Resources

Libra Esva customer can count on professional support service through:

Online Resources

- Email at support@libraesva.com
- Online Ticket System at <https://libraesva.freshdesk.com/support/login>
- Frequently Asked Questions
- Documents available on Libra Esva Docs Website at <http://docs.libraesva.com/>

Direct Resources

- Telephone, provided by your local certified/registered reseller or distributor
- Telephone, provided by Italian offices / Libra Esva UK
- Remote SSH connection

Each one of these resources is free for our registered users, as part of their active year subscription.

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