



**eleven**

# **E-MAIL-SECURITY FOR ISPs AND CARRIERS**

Integrated protection against Spam, Malware and Distributed Denial-of-Service attacks

[www.eleven-security.com](http://www.eleven-security.com)

## eleven Carrier-Grade E-Mail Security

Whether its complex integration, scalability, performance or cost efficiency: ISPs and Carriers require specific capabilities of their e-mail security solutions. eleven e-mail security for ISPs and Carriers offers customizable e-mail security for even the most demanding customer environments.

Advantages of Carrier-Grade E-Mail Security for ISPs and Carriers:

### *Highest Standard of Protection*

▶ **Industry leading spam recognition rates with Zero False Positives**

- Spam recognition rate > 99%
- False-Positive-Rate < 0,00001%

▶ **Extreme scalability**

eXpurgate is highly scalable and ideal for ISPs and Carriers with over several million e-mail accounts.

▶ **Superior efficiency**

- E-mail processing rates of more than 5.000 e-mails per second and server
- Able to handle more than 25.000 connections per second

▶ **Simple integration in existing e-mail infrastructures**

eXpurgate can be effortlessly integrated in every existing e-mail infrastructure.

▶ **Leverage existing Hardware**

Through substantial relief of the e-mail infrastructure (i.e. in the Reject-Mode) ISPs and Carriers can even save on Hardware.

▶ **Outbound protection**

eXpurgate offers the opportunity to check the outgoing e-mail traffic for spam, viruses and other malware. This ensures that the e-mail infrastructure of ISPs and Carriers is not abused for spreading malware itself. eXpurgate protects all mail delivery systems (i.e. Webmail, SMTP).

▶ **Reject-Mode**

The reject-mode enables the identification and rejection of spam even prior to reception at the e-mail server. The reject-mode is easily deployable for ISPs and Carriers due to the elimination of False Positives for any individual e-mails.

### *Unparalleled Customer Service*

▶ **The Most Demanding SLAs**

Set values regarding spam recognition rates, False-Positive-rate and the availability of Service – including a clear definition of sanctions in the case of non-compliance!

▶ **24/7 Support**

Trained, friendly and highly technical support staff are available to you around the clock, when you need them!

▶ **English-speaking support**

No foreign call centers: our experts will help you quickly and competently!

▶ **Worry Free**

eleven Managed E-Mail Security requires no ongoing administration, maintenance or periodic updates.

▶ **Sustainability**

eleven's solutions are both flexible and expandable with new functionality and therefore well equipped to handle future challenges and threats

### *Uncompromising Data Protection & Privacy*

▶ **Data protection compliant technology**

The eXpurgate technology does not access the content of e-mails in any way.

▶ **Certified computer centers**

The central eleven eXpurgate database uses only certified and secured computer centers in Germany. The exchange of test results with the central eleven database takes place via encrypted connections.

## eleven E-Mail Security für ISPs and Carrier

SOLUTION AT A GLANCE

eleven E-Mail Security for ISPs and Carriers offers comprehensive e-mail protection against spam and malware for inbound as well as outbound traffic. The E-Mail-Firewall solution, enSurance, is an optional extension of the eleven Inhouse security solution to address traffic shaping issues for DDoS attacks and spam storms. eleven E-Mail Security guarantees the delivery of business related e-mail communications at all times, even during a DDoS. eleven E-Mail Security for ISPs and Carriers is also as high performance as it is resource efficient, with horizontal and vertical scalability that makes the solution applicable to even the world's largest Internet Service Providers.

eleven E-Mail Security for ISPs and Carriers can be integrated as a SMTP-Proxy (Smarthost) and is modularly structured; customers simply choose the components they need.

### *eXpurgate Anti-Spam*

eXpurgate Anti-Spam is a uniquely designed spam-filter that also works as an overall e-mail categorization service. eXpurgate Anti-Spam examines e-mails for the key characteristic of spam: its distribution as bulk e-mail. eXpurgate Anti-Spam routinely identifies more than 99% of all spam e-mails while at the same time preventing business related e-mails to be falsely categorized as spam (Zero False Positives®). eXpurgate anti-spam requires no elaborate calibrations, learning curves, or periodic updates. It is a maintenance and worry free alternative to today's other technology approaches.



### *eXpurgate Anti-Virus*

eXpurgate Anti-Virus offers extensive protection against known viruses, as well as new outbreaks, through a layering of three integrated components:

- ▶ The **eXpurgate Virus Outbreak Detection** system identifies new viruses as soon as they first appear, thereby closing the central security gap left open by conventional anti-virus solutions.
- ▶ The **signature-based virus scanner** recognizes known malware with speed and reliability.
- ▶ The **code-based virus protection** improves and accelerates the recognition of known viruses.



### *eXpurgate enSurance*

eXpurgate enSurance ensures uninterrupted business-related e-mail communication and prevents extreme load peaks (e.g. spam waves or Denial of Service (DDoS) attacks) from leading to e-mail infrastructure overloads. In extreme peak situations, messages from frequent communication partners are given precedence and continue to be delivered without delay. This ensures that even in cases of extreme e-mail volume, the business related e-mail communication is guaranteed. eXpurgate enSurance is completely scalable and can protect up to 20 e-mail servers at a time.



### *eXpurgate Gateway MTA*

eleven offers e-mail security as a complete solution – including our own Gateway MTA. The eXpurgate Gateway MTA is a high performance Edge MTA, which is installed at the interface between the Internet and the internal network and in which all eleven e-mail security options – Anti-Spam, Anti-Virus, E-Mail Firewall – can be integrated.



## eleven E-Mail Security for ISPs and Carriers at a glance

- ▶ Carrier-grade scalability for ISPs of every size
- ▶ Flexible integration options for even the most complex infrastructures
- ▶ Protection of incoming as well as outgoing e-mails (incl. Webmail)
- ▶ Integrated e-mail security to protect from all important threats to e-mail security.
- ▶ Highest spam recognition rates with Zero False Positives®
- ▶ Gapless protection against new as well as known viruses
- ▶ Safeguarding of business related e-mail communication at all times (with expansion option of eXpurgate enSurance)
- ▶ Uncompromising data protection & privacy
- ▶ High cost efficiency
- ▶ No administration or updating required
- ▶ Superior customer service and support with guaranteed SLA standards

## The Technology

The eXpurgate technology developed by eleven focuses on the central characteristic of every spam and malware e-mail: its distribution via mass e-mail. This technology reduces each e-mail to a fingerprint that is compared to other e-mails' fingerprints in a central database for reliably identifying bulk e-mail. Using an additional screening process, undesired (spam) e-mails are differentiated from desired (e.g. newsletters) bulk e-mails and each e-mail is assigned to a distinct category. This enables an premium spam and malware recognition while at the same time minimizing the risk of a false categorization of legitimate e-mails (False Positives).

## About eleven/the company

Leading German e-mail security provider eleven is a pioneer in the field of managed e-mail security and offers products and services that protect e-mail infrastructures for companies, ISPs, and public institutions. The company, founded in 2001 and headquartered in Berlin, specializes in cloud-based managed e-mail security. Additionally, eleven also offers in-house software as well as white-label solutions. eleven examines and filters over one billion e-mails each and every day. Globally, our solutions protect over 45,000 companies – ranging from small and medium sized businesses to international corporations and ISPs.


### AT A GLANCE



#### TEST ELEVEN MANAGED E-MAIL SECURITY

**For 30 days – free of charge!**

▶ Simply register at:  
 [www.eleven.de](http://www.eleven.de)

▶ or contact our sales team:  
 [sales@eleven.de](mailto:sales@eleven.de)

### ABOUT EXPURGATE

### ABOUT ELEVEN

### References



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### OUR CUSTOMERS

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