

# eXpurgate 3.0

Next generation e-mail security  
Managed Service

# e-mail security made in Germany

## Next generation e-mail security: eXpurgate 3.0

eleven presents next-generation e-mail security – in the form of version 3.0 of its proven e-mail security solution eXpurgate. eleven has totally redeveloped eXpurgate 3.0 to provide reliable protection for companies from every conceivable future risk relating to e-mail communication.

eXpurgate 3.0 safeguards business-related e-mail communication around the clock. eXpurgate 3.0 offers optimum integrated e-mail security, reduces the load on your e-mail infrastructure and saves costs: no additional hardware, no maintenance!

## eXpurgate 3.0 at a glance

- ➔ Highest spam-detection rate > 99%
- ➔ Lowest false-positive rate < 0.00001 %
- ➔ Highest processing speed: up to more than 5,000 e-mails/second\*
- ➔ No maintenance necessary after installation
- ➔ Safeguarding business-related e-mail communication at all times
- ➔ Significant load reduction on e-mail infrastructure
- ➔ Integrated e-mail security for companies of all sizes

\*depending on eXpurgate version and hardware used

## The technology

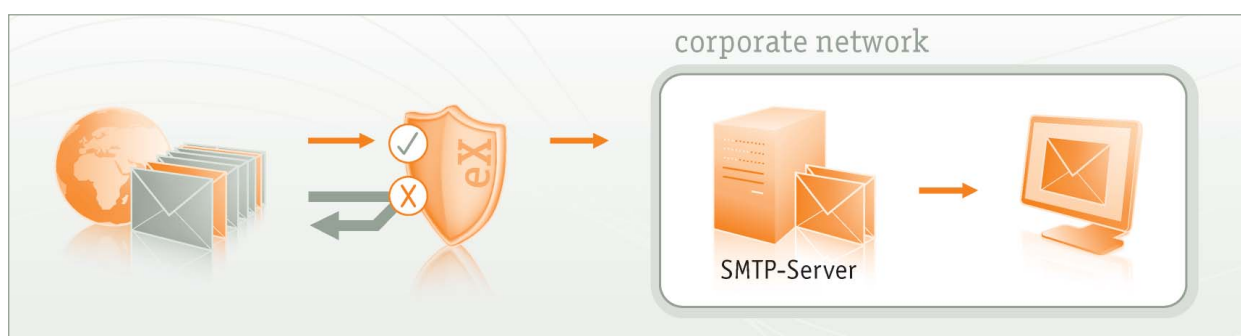
The so-called bulkcheck is at the core of the eXpurgate technology. A proprietary checksum algorithm reduces each e-mail to a code made up of just a few bytes, that is compared with that of other e-mails in the eXpurgate database (eXdb). If identical, or sufficiently similar code is found often enough, the e-mail is very likely to be spam. Other inspection procedures reliably distinguish between

undesired e-mails (spam) and desired mass mailings such as newsletters. The mass e-mail criterion prevents individual messages from being falsely classified as spam (Zero False Positives®). eXpurgate not only recognises spam, it also reliably categorises all incoming e-mail, e. g. as clean, bulk or spam. eXpurgate currently uses 16 different categories for classification.

## Let spam just bounce off: The eXpurgate reject mode

The reject mode enables companies to identify and reject spam e-mails before they penetrate through to the corporate network. This spam checking process is carried out during the current SMTP dialog that controls e-mail traffic between e-mail servers. If an e-mail is classified as spam, the delivery

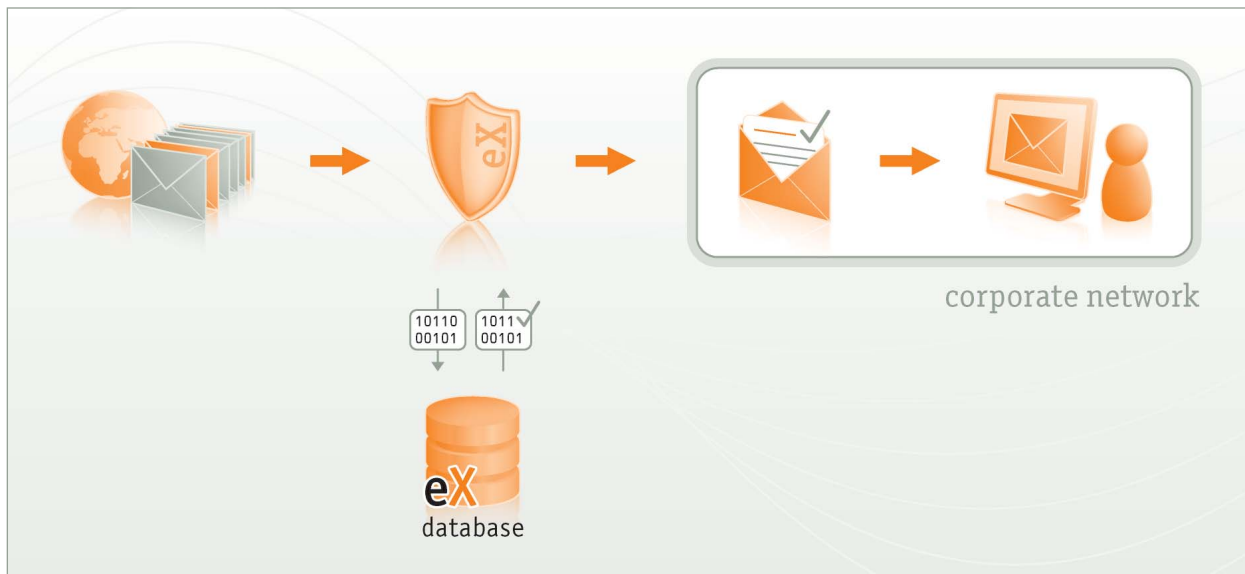
attempt is confirmed negatively by means of a permanent SMTP error message. As the way eXpurgate works means that individual e-mails are hardly ever wrongly classified, you can be confident that no business-relevant e-mails will be rejected.



## eXpurgate as a managed service

eXpurgate.ASP from eleven is integrated e-mail security that provides reliable protection from spam and other malware and secures business e-mail communication in any situation. When implemented as a managed service, eXpurgate reduces the load on your company's e-mail infrastructure and conserves

resources without ever needing any additional hardware. As a key part of eXpurgate as a managed service, the e-mail firewall **enSurance** safeguards the business-relevant e-mail communication even at times of extreme load.



### How it works

eXpurgate operates as an upstream e-mail server for the customer. All incoming e-mails are immediately diverted to eleven servers to be checked. "Clean" e-mails are delivered

without delay. eXpurgate.ASP is set up simply by modifying the MX record in the DNS entry.

## Benefits of eXpurgate as a managed service

- ➔ Reliable spam protection: Spam detection rate > 99%
- ➔ False positive rate < 0.00001% (< 1 : 10 million)
- ➔ No load on the system caused by high volumes of spam
- ➔ No maintenance required
- ➔ No endangerment of the IT infrastructure, as risks can be deflected before they penetrate the network
- ➔ No additional hardware required
- ➔ Individual and convenient configuration using a web interface right down to user level

## eXpurgate virus protection

As part of its integrated e-mail security package, eXpurgate.ASP complements its reliable spam protection with a comprehensive anti-virus solution comprising three components in a combination that enables excellent identification of known and new viruses:

- ➔ eXpurgate virus outbreak detection
- ➔ Code-based virus protection
- ➔ Signature-based anti virus software AntiVir

# e-mail security made in Germany

## Further eXpurgate.ASP options

### Outbound protection with mail relay function

The mail relay function adds protection of outgoing e-mail traffic to the integrated e-mail security package. It ensures that your company is not abused as a distributor of spam and malware, by channelling all outgoing e-mail traffic via the eleven servers, where it is checked for spam, viruses and unwanted attachments.

### Secure communication with TLS

The TLS (transport layer security) option offers users primarily from particularly security-sensitive sectors such as finance or health the ability to encrypt entire channels of communication using TLS, thus providing secure data

### eXpurgate quarantine

The eXpurgate quarantine function allows messages categorised as spam to be temporarily stored on eleven's servers. After an individually preset period, each user can then be sent a list of the e-mails that have been detained by this function, and can decide which of these e-mails should be delivered.

transmission with selected contacts. The TLS option also enables complete certificate management which can ensure that the communication partner is authentic and the e-mail is genuine.

## Technical specifications

Operating systems supported	Protocols supported	Hardware requirements (minimum)	SMTP server required
independent	SMTP	not applicable	yes

## The company


eleven is Germany's leading provider of integrated e-mail security solutions for companies, ISPs and public institutions of all sizes. eleven offers managed services as well as in-house software solutions. eleven checks over one billion e-mails every day. More than 30,000 companies around the world use „E-mail security Made in Germany“.

eleven's customers include leading ISPs and telecommunications service providers such as T-Online, O2 and Vodafone, prominent corporations such as Mazda, Air Berlin, DATEV, Tobit Software and the Landesbank Berlin, as well as prestigious educational institutions such as the Freie Universität Berlin.

### Free trial

Test eXpurgate as a managed service

**for 30 days – free of charge!**

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

or contact our sales team:

 e-mail [vertrieb@eleven.de](mailto:vertrieb@eleven.de)

**eleven** – Gesellschaft zur Entwicklung und Vermarktung von Netzwerktechnologien mbH  
Hardenbergplatz 2 | 10623 Berlin, Germany  
fon: +49 (0)30/52 00 56 - 0 | fax: +49 (0)30/52 00 56 - 299  
e-mail: [info@eleven.de](mailto:info@eleven.de) | web: [www.eleven.de](http://www.eleven.de)

Status: February 2009