



eXpurgate

Next generation e-mail security
In-house solution

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Next generation e-mail security

Next generation e-mail security: eXpurgate 3.2

eleven presents next-generation e-mail security – in the form of version 3.2 of its proven e-mail security solution eXpurgate. eleven has totally redeveloped eXpurgate 3.2 to provide reliable protection for companies from every conceivable future risk relating to e-mail communication.

eXpurgate 3.2 safeguards business-related e-mail communication around the clock. eXpurgate 3.2 offers optimum integrated e-mail security, reduces the load on your e-mail infrastructure and saves costs: no additional hardware, no maintenance!

eXpurgate 3.2 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

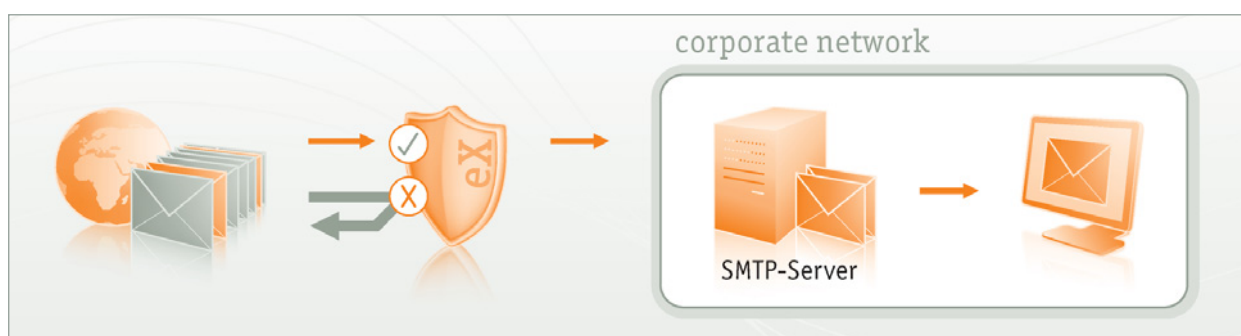
The so-called bulkcheck is at the core of the eXpurgate technology. A proprietary checksum algorithm reduces each e-mail to a code made up of just a few bytes, that is compared with that of other e-mails in the eXpurgate database (eXdb). If identical, or sufficiently similar code is found often enough,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

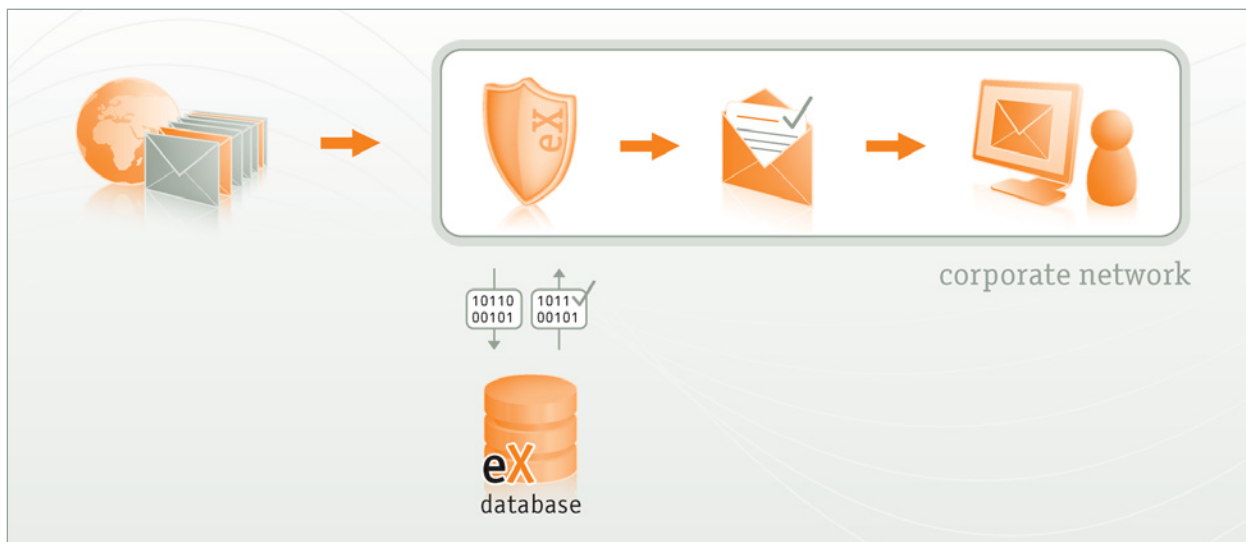
attempt is confirmed negatively by means of a permanent SMTP error message. As the way eXpurgate works means that individual e-mails are hardly ever wrongly classified, you can be confident that no business-relevant e-mails will be rejected.



eXpurgate as an in-house solution

For companies who prefer to operate their e-mail services autonomously, eleven offers integrated e-mail security as an in-house solution. eXpurgate.Inhouse safeguards business-relevant e-mail communication at all times and provides

reliable protection from spam, viruses and other malware. eXpurgate.Inhouse is extremely resource-efficient and requires no maintenance. This solution combines optimum e-mail security with minimal system load.



How it works

eXpurgate.Inhouse is integrated as a plug-in into the customer's existing e-mail software. eXpurgate.Inhouse offers a host of interfaces, including for SpamAssassin and Sendmail Militer. The in-house solution is suitable for all standard platforms, including Windows, all common Linux distributions, and Solaris 9+. eXpurgate also supports all 64 bit systems.

eleven checks and categorises incoming e-mail, but on the customer's server. Only the short checksums are checked at the central eXpurgate data base using an encoded connection (SSL). This is where the bulkcheck central to the eXpurgate inspection procedure, is carried out. Generally the inspection procedure causes no noticeable delay in delivery.

eX Benefits of eXpurgate.Inhouse

- ➔ Reliable spam protection: Spam detection rate > 99%
- ➔ False positive rate < 0.00001% (< 1 : 10 million)
- ➔ Minimal system load
- ➔ No maintenance required
- ➔ Easy integration into existing e-mail infrastructure
- ➔ No additional hardware required

eXpurgate virus protection

As part of its integrated e-mail security package, eXpurgate 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

Next generation e-mail security



E-mail firewall enSurance

The e-mail firewall enSurance rounds off eleven's e-mail security package, securing e-mail communication during periods of extreme strain such as denial of service attacks or spam waves. enSurance prevents the e-mail infrastructure from being overloaded and safeguards business-related e-mail communication at all times.

enSurance uses a proprietary, fully dynamic procedure that determines the main and relevant communication partners with the help of a frequent partner list. In times of especially high strain, enSurance gives these e-mails priority treatment while temporarily postponing the transmission of e-mails deemed to be of lower priority, delaying their delivery. Important e-mails are therefore delivered without any delay. enSurance is fully scalable and works on any platform.



Technical specifications

Operating systems supported	Protocols supported	Hardware requirements (minimum)	SMTP server required
Windows (from NT), Linux: direct support of Debian 3, 4, Fedora 8, 9, Redhat Enterprise Linux 2 and higher, generic (glibc2.2+), Solaris 9+	SMTP, SpamAssassin, Sendmail Militer	Windows i368 (32bit) Linux i386 (32bit) or amd64/x86-64 (64bit), Solaris i386 (32bit) or sparc (32bit and 64bit)	yes, in-house with customer



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 45,000 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

for 30 days – free of charge!

➔ Simply register at www.eleven.de

or contact our sales team:

➔ e-mail vertrieb@eleven.de

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