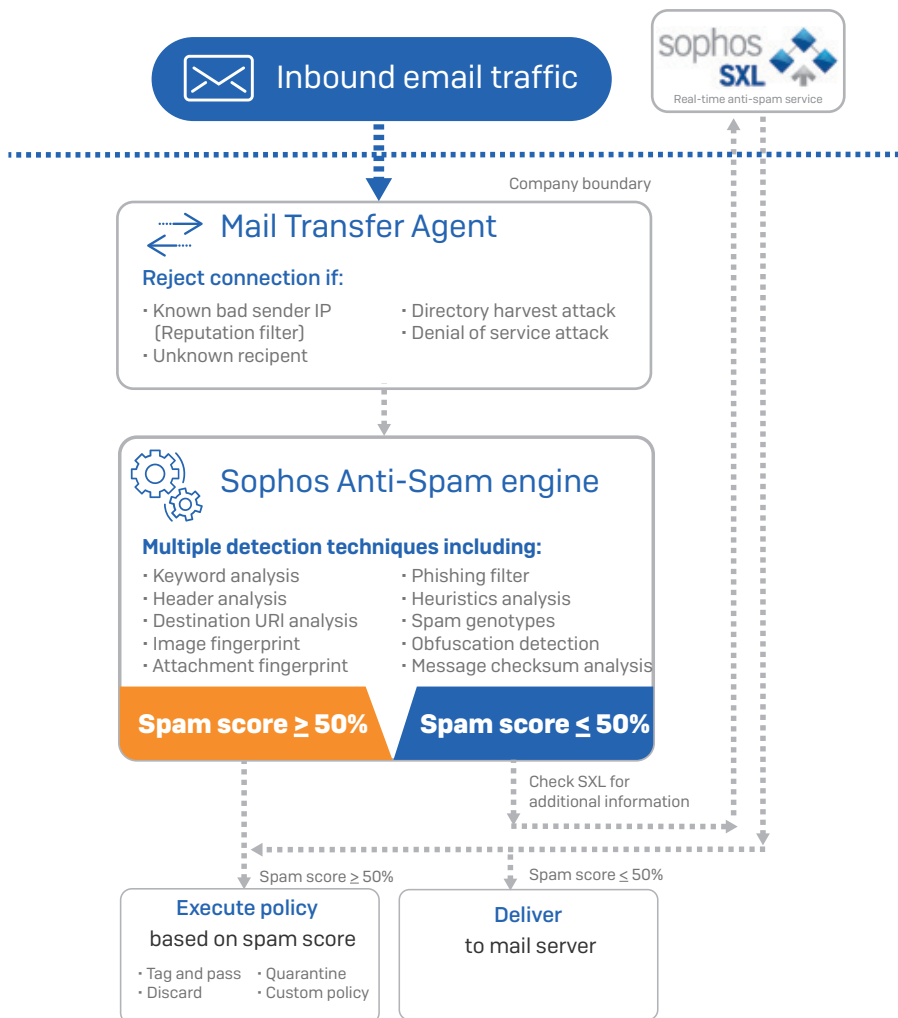# Sophos Anti-Spam SDK

OEM

Easy-to-integrate, multiplatform email protection for OEMs

Our Sophos Anti-Spam SDK offers an easy-to-integrate API for software vendors, OEMs, ISPs and email service providers to integrate Sophos anti-spam protection engine into their own software, appliances, or services. The solution combines multiple detection techniques for effective spam prevention and protection from phishing attacks. Sophos eXtensible Lists (SXL), an online look-up system enables broader, up-to-the-minute and accurate anti-spam intelligence from SophosLabs to secure against emerging spam campaigns.

How does it work?

It leverages a variety of anti-spam techniques to obtain a spam/not spam verdict from emails passed on by the OEM third party application.

Inbound email traffic

sophos SXL — Real-time anti-spam service

Company boundary

Mail Transfer Agent

Reject connection if:
- Known bad sender IP (Reputation filter)
- Unknown recipent
- Directory harvest attack
- Denial of service attack

Sophos Anti-Spam engine

Multiple detection techniques including:
- Keyword analysis
- Header analysis
- Destination URI analysis
- Image fingerprint
- Attachment fingerprint
- Phishing filter
- Heuristics analysis
- Spam genotypes
- Obfuscation detection
- Message checksum analysis

Spam score ≥ 50% | **Spam score ≤ 50%**

Check SXL for additional information

Spam score ≥ 50% | Spam score ≤ 50%

Execute policy
based on spam score
- Tag and pass
- Discard
- Quarantine
- Custom policy

Deliver
to mail server

Key Benefits

- Detects over 99% of spam and protects against email scams, including phishing attacks
- Automatically balances a range of spam detection techniques to deliver consistent accuracy, minimizing false positives
- Employs Genotype technology to catch evolving spam campaigns
- It can be used in conjunction with Sophos eXtensible Lists (SXL) anti-spam technology to accurately and efficiently drop connections at the gatewayv level, greatly increasing overall throughput and capacity
- Protects global organizations from spam in multiple language message streams, including those that use double-byte

Low operational cost

- Provides protection with no maintenance
- Minimizes drain on IT resources
- Includes 24X7X365 support for the duration of the license

SOPHOS

Ease of evaluation and integration

‣ A native C language API is provided with the Sophos Anti-Spam SDK

‣ Developers can use the SDK to write third party applications in either C or C++ to access the spam detection functionality and obtain a spam/not-spam verdict

‣ All integration resources are made available to developers in a fully documented package accessible via a secured FTP site

Great protection

‣ It uses a variety of anti-spam techniques including proactive Genotype technology, sender reputation checks (including identification of bots/zombies), call-to-action checks (e.g., URLs within messages), spam "identities" or checksums, image fingerprints, and header and content analysis

‣ SophosLabs™, our global network of threat analysis centers, provides 24/7 real-time updates to spam rules ensuring consistent, accurate protection against spam and phishing attacks

Innovative technologies

‣ Sophos Sender Genotype provides proactive botnet detection and reputation filtering, blocking up to 90% of spam at the connection level

‣ Sophos eXtensible Lists (SXL) is an online look-up system that dramatically accelerates the distribution of anti-spam intelligence, moving away from traditional scheduled updates to a real-time system that provides quicker response to new and emerging spam campaigns

24x7 threat surveillance and analysis

‣ Our 24x7x365 customer support operation is highly acclaimed, while SophosLabs™, our global network of threat analysis centers, provides a rapid response to emerging and evolving blended threats

Platforms supported

‣ UNIX – Solaris 10

‣ LINUX – CentOS 6+ (64bit), Debian 6+ (64bit), RHEL 6+ (64bit), SuSe 11+, Ubuntu 12.04 LTS + (64bit)

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For more information

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