

# Kaspersky® SafeStream II



Kaspersky SafeStream II is a gateway-level stream-based anti-malware technology that provides a way to detect the most dangerous and prevalent threats ("in-the-wild") at wire speed. It represents a balanced trade-off between in-depth security and maximum performance.

By taking full advantage of Kaspersky Lab's infrastructure, including cloud-enabled security intelligence and [Kaspersky Security Network](#), Kaspersky SafeStream II effectively detects malware in all types of traffic (web, mail, P2P, IM, etc), thus protecting users from the most dangerous cyber threats, including zero-day malware, server-side malware, web-borne malware, drive-by downloads and other types.

It can be effectively boosted by hardware pattern matching engines (widely used for packet inspection in IDS/IPS) from vendors such as Cavium Networks, Intel, Broadcom, LSI, etc., delivering unparalleled wire-speed gateway level anti-malware protection.

Kaspersky SafeStream II is well suited both for small devices and for high-performance mission-critical gateways. It is completely agnostic to software or hardware design and can be successfully implemented on proprietary (non-x86/Linux) platforms.

Kaspersky SafeStream II uses the following malware detection approaches:

- **URL Detection** – matching URLs in inbound/outbound traffic to databases of known malicious/phishing sites to protect from web-based threats, server-side polymorphic malware and botnet command and control (C&C) servers
- **Object Detection** – searching the data flow for malicious objects (viruses, Trojans, worms, malicious scripts, mobile and other threats)
- **Signature Detection** – using a signature database (special byte sequences) to detect specific malware types, especially weak-polymorphic (that has a variable and a constant part of binary body) and malware families

Kaspersky SafeStream II takes advantages of a multi-layered approach, with each layer complementing the others, contributing to the overall security level, and providing protection in any environment. The solution includes a set of detailed security feeds that are continuously updated. Custom intelligence feeds can also be created to provide preemptive security.

Key benefits of Kaspersky SafeStream II:

- Efficient perimeter and gateway level defense against the most dangerous malware and virus outbreaks
- Consistent throughput for any file size thanks to our unique stream-based scanning approach (full file proxying is not required)
- Unparalleled performance when combined with hardware acceleration solutions
- Ideal security technology for all types of gateways and UTMs – from small devices for SMB/SOHO markets to mission-critical appliances for enterprise and service provider markets
- Ideal security technology for web browsers and services
- Seamless integration into any and all platforms – SafeStream II is totally independent from software and hardware architecture
- We believe that better intelligence combined with better technology results in better protection for our customers.

## Contact Us

If you would like to discuss this solution with a representative of Kaspersky Lab's dedicated OEM team, [click here](#) to get in touch with us. Just fill in the Inquiry form and we'll be in touch very shortly.