

# ESET Gateway Security for Linux/BSD/Solaris

As indicated by recent studies, the HTTP and FTP channels are steadily becoming the primary vectors for malware infection. Without an effective defense line guarding the incoming traffic right at the entry point, the company's entire internal network becomes vulnerable to exploitation. While malware authors are frantically seeking to gain access to all types of sensitive data, ESET's solution forms an impermeable barrier standing between your network and the Internet, effectively neutralizing threats and preserving the system's functionality. Especially designed for systems handling large traffic loads, ESET Gateway Security delivers a cost-effective solution with industry-leading detection rates and high scanning speed, eliminating tomorrow's threats based on their malevolent behavior. With its unique proactive detection capabilities and small system footprint, ESET Gateway Security for Linux/BSD/Solaris has a proven track record of reliability. Its powerful ThreatSense® scanning engine employs state-of-the-art heuristic detection algorithms giving you the confidence of safe Internet browsing and assuring real-time processing of scan requests. All inbound and outbound web traffic passing through your UNIX-based servers is subject to a thorough scan. With ESET Gateway Security for Linux/BSD/Solaris you can focus on what is important – running your business, not your antivirus.

## Solution Capabilities

ESET Gateway Security is designed to be deployed on Linux/BSD/Solaris servers as an access point for the organization's HTTP and FTP traffic. The key

### KEY FEATURES

<b>Transparent HTTP / FTP scanning</b>	The award-winning ThreatSense® scanning core checks all inbound and outbound traffic for the presence of known as well as emerging threats.
<b>Partial Scan</b>	Advanced technique that ensures that large files are transferred safely and without delay.
<b>SafeSquid Plugin</b>	Protection of the gateway using SafeSquid Internet Proxy Cache.
<b>HTTP Blacklist/Whitelist</b>	Blocking of websites not complying with company policy.
<b>Smaller Update Files</b>	Core optimization processes keep the size of update files smaller than in previous versions. The protection of update files against damage has been enhanced.
<b>Improved Compatibility</b>	Full compatibility with 64-bit platforms.
<b>Enhanced Security</b>	All executive agents run under non-privileged user account.

### KEY USER BENEFITS

<b>ThreatSense® Technology</b>	The unique ThreatSense® scanning engine provides proactive prevention against web-based malicious software. All inbound and outbound web traffic is automatically filtered in order to ensure that the company's infrastructure is not endangered by inappropriate content downloaded from the Internet.
<b>Time-tested Performance</b>	Business clients can rely on the established track record of performance and reliability synonymous with ESET solutions as recognized by independent testing organizations, such as the VB100% and AV-Comparatives. ESET leads the industry in the overall number of VB100% awards, having received its first one in 1998. The prestigious AV Comparatives tests regularly rank ESET solutions in the highest, Advanced+ category for overall performance and detection capabilities, with low false positives.
<b>Customizable Options</b>	The User-specific Configuration mechanism allows for a high degree of customization and functionality, including defining the antivirus scanner parameters based on the user accessing file system objects. Multiple logging levels can be configured to capture information about system activity and infiltrations. Pre-defined actions allow the administrator to define a set of actions to be executed based on the results of anti-virus and anti-spam testing.
<b>Distribution-independent Solution</b>	The ESET Gateway Security installer comes in several versions to accommodate multiple operating systems. ESET provides installers for the most popular distributions as well as a general package, suitable for integration with less common systems not supported directly. In addition, the users of the 'Ready' variations of RedHat and SuSE now can download installers that were modified in order to comply with the FHS (File-system Hierarchy) standard.

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component of the program, the ESETS daemon, runs in the background and carries out all system tasks (scanning, logging, notification, and system maintenance). The integration of ESET Gateway Security with HTTP and FTP services is provided by a way of special components, the so-called program agents. They intercept data forwarding them to the central ESETS daemon for scanning and ensure appropriate action in case of infiltration. The `esets_http` and `esets_ftp` agents serve to route traffic through ESET Gateway Security installed on the network gateway server. In the transparent mode, the agents are automatically set to listen on specified ports and forward both incoming and outgoing objects to the ESETS daemon for scanning. As an option, both agents also allow for manual configuration (i.e. in the non-transparent mode). A wide variety of proxy caches, including SafeSquid and Squid Proxy Cache, as well as web browsers are supported. The system performance has been tested with Mozilla Firefox, Opera, Netscape and Konqueror, but practically any HTTP user agent supporting custom parent proxy settings will cooperate with `esets_http` and `esets_ftp`. Alternatively, ESET Gateway Security can be used as an ICAP server. In this implementation scenario, an ICAP client (a proxy server supporting ICAP) forwards HTTP objects, encapsulated in ICAP, to the `esets_icap` module ensuring that all items are scanned for malware and subsequently returned to the ICAP client. For ease of administration and increased productivity, ESET Gateway Security features a streamlined web interface. All program components can be simply and effectively configured and maintained from the web browser.

*Key User Benefits Continued*

<b>24 × 7 Live Telephone Support</b>	For business customers, ESET provides Premium Service contracts. In addition to our standard support offerings, you will receive 24 × 7 Live Telephone <sup>1</sup> support with dedicated support engineers and guaranteed response times to assist you with any inquiries to tweak the system to achieve optimal network security.
<b>Optimization/Training Services</b>	Clients can take advantage of supplemental service <sup>2</sup> to assure seamless implementation of ESET solutions specific to their network environment. The service includes an audit of the client's network architecture by our trained professionals and elaboration of proposals for optimal implementation of ESET solutions. Additionally, network administrator(s) will receive a specialized on-the-premises training highlighting the solution's capabilities and configuration options to achieve the highest possible level of performance.

*1) Available for business clientele in Slovakia; Soon available through ESET products re-sellers in other EMEA countries.  
2) Available for business clientele in Slovakia; soon available through ESET products re-sellers in other countries.*

**SYSTEM REQUIREMENTS**

<b>Memory</b>	32 MB
<b>Disk Space</b>	16 MB for installation plus additional disk space for temporary files
<b>Processor Architecture</b>	i386 (Intel® 80386), amd64 (x86_64)
<b>Operating Systems</b>	<b>Linux:</b> Kernel version 2.2.x, 2.4.x or 2.6.x; glibc 2.2.5 or higher; Dazuko kernel module 2.0.0 or higher (optional) <b>FreeBSD:</b> Version 5.x, 6.x or 7.x; Dazuko kernel module 2.0.0 or higher (optional) <b>Sun Solaris:</b> Version 10 <b>NetBSD:</b> Version 4