



ICAP PROXY SECURITY

LIGHTWEIGHT PROXY EXTENSION FOR SECURER WEB TRAFFIC

The Avira ICAP Proxy Security solution deliver some of the industry's best malware protection for you and your customers' web traffic.

ICAP Proxy Security includes the Avira Scan Engine, and is an ideal technology for those vendors looking to build their own branded solution without the burden of having to perform low level integration. It works seamlessly with SQUID and other ICAP proxies.

ICAP Proxy Security lets you filter or scan files to/from the internet or intranet. With an option to connect to the Avira Protection Cloud, it can deliver a detection rate exceeding 99.99%, helping to identify and prevent zero-day and advanced persistent threats. Delivered as a binary package, the only integration required is to set the ICAP port and the configuration file.

ICAP Proxy Security is an ideal solution for:

UTM and next-generation firewall vendors, as well as web and email

Gateway service providers who want to utilize a proxy-based AV solution to scan web-bound traffic for known and unknown threats.

Managed service providers looking to improve security

Protect clients and servers from malware, avoid breaches and keep customer data private and safer.

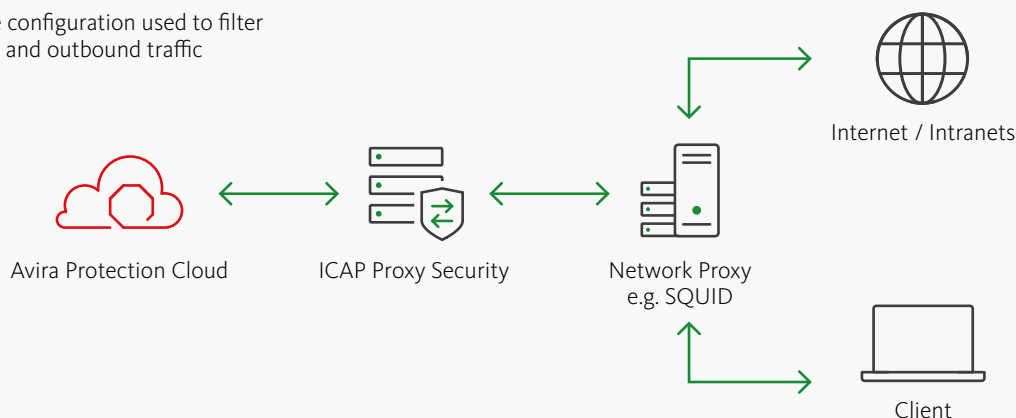
ICAP Proxy Security supports SQUID, making it a very cost-effective alternative to other existing web proxy solutions.

Key Features:

- ICAP protocols including RESPMOD, REQMOD, OPTIONS
- Runs on all major Linux distributions (Red Hat, Ubuntu, Suse, Debian)
- Customizable templates for branding
- Multi-threading and multi-processing ready
- Flexible licensing mechanism
- Own updater with HTTPS support and no service interruption

ICAP OPERATION

Example configuration used to filter inbound and outbound traffic





APPLICATION

The Avira ICAP Proxy security operates in a Request or Response mode, depending on whether file filtering, or scanning, of files is required.

In Request mode, traffic from a client is routed by the network's proxy to the ICAP Proxy Security solution which applies policies to filter the traffic. Filtering is based on a number of criteria including file extension or content type (application/executable/streaming traffic).

In Response mode, ICAP Proxy Security scans the file presented in the return path for malware before it is delivered to the client.

INTEGRATION WITH AVIRA PROTECTION CLOUD

The ICAP Proxy Security solution can connect to the Avira Protection Cloud. The Avira Protection Cloud provides two additional assessment services: An upload of file hashes for evaluation against The Avira central hash database, or a hash evaluation followed by an upload of an unknown file for malware assessment (file reputation analysis) if the hash is unknown.

FALSE POSITIVE CONTROL

A no-cost option available within the ICAP Proxy Security solution is Avira False Positive Control technology. It ensures rare false positives are managed and do not impact detection performance.

SPECIFICATIONS

Size:

80 MB

Supported OS/hardware:

Linux/Intel

Implementation:

Daemon

Functionality:

>99.99% Detection rate with Avira Protection Cloud
Generic and heuristic
Advanced archive scanner
Interfaces with Avira Protection Cloud

Scanning and detection:

Malicious Windows .exe/.dll
Linux, macOS and Android malware
Malicious script: JavaScript, VBScript etc
Office docs and embedded macros

Container support:

All known archives, installer packages,
ISO images, mailbox files
Flag password protected archives

Decoders:

MBOX, MIME attachments

Adware and spyware (selection):

Worms, mailers
Web-based malware
(HTML, JavaScript, VBS)

Script viruses DOS Batch mIRC/IRC scripts
Shell scripts (Bash etc.)
PIF, INI, REG (ASCII)

Viruses (selection):

Encryptors, polymorphic & metamorphic
Stealth viruses, Encryptors, polymorphic
& metamorphic
Java applets, file format exploits
SPRs (security or privacy risks: Jokes)

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