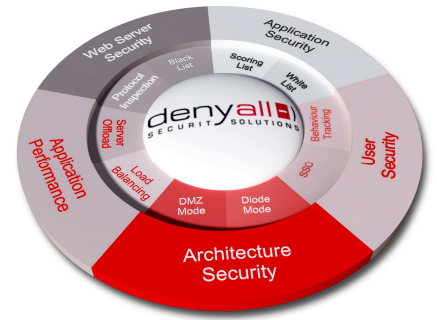


# sProxy 2.6 Web Application Gateway



**sProxy, the Web firewall that accelerate applications**

- Filtering of HTTP(S) attacks
- Black list, Scoring List and Behaviour Analysis
- SSL acceleration and Web load balancing
- Cache and compression of data flow
- Rapid implementation and automated administration

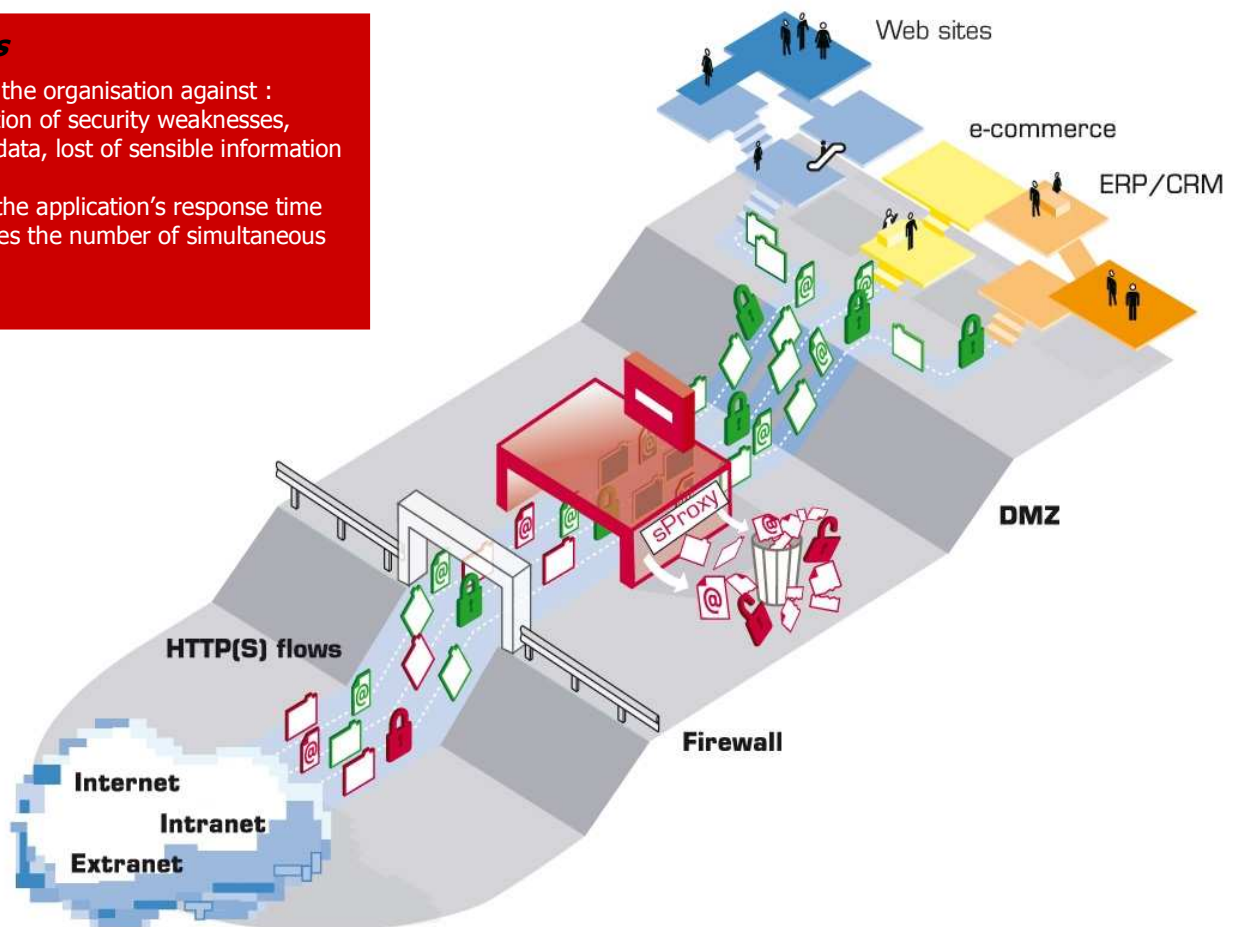
ERP, CRM, SFA, Websites, e-commerce: keen to improve efficiency and productivity, forward-thinking organisations are increasingly rolling out Web Services to their customers, employees, suppliers and business partners. Web access to the heart of a business raises such critical strategic concerns as application security, infrastructure costs and the quality of resultant Web Service to users.

**sProxy** delivers a global and evolutionary answer to such troublesome questions. Inserted between the access infrastructure and servers, sProxy simultaneously provides filtration, acceleration and intelligent load balancing of inbound data flows.

Result : the organisation is protected against Web attacks - threatening data theft, service interruptions, ... - whilst freeing up capacity in its existing infrastructure.

**Benefits**

- Protects the organisation against :  
Exploitation of security weaknesses,  
theft of data, lost of sensible information
- Reduce the application's response time  
and triples the number of simultaneous  
users



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## Technical characteristics

Based upon an optimised reverse proxy technology, sProxy filters and accelerates the totality of the HTTP(S) flow sent to Web applications.

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### Security: instant protection, automated administration

Fast, simple installation in front of Web applications, sProxy delivers total and immediate protection against attacks inserted in the HTTP(S) flow.

It blocks immediately:

- non-standard formats and invalid usage of characters and encoding (hexa, UTF8, ...)
- attempts to exploit application and server-level weaknesses (Cross Site Scripting, SQL insertion, buffer overflow, directory traversal, ...)
- attempts at Brute Force, application DoS, and use of malicious robots
- viruses embedded in uploaded files.

Filtration is based upon a reverse proxy high security architecture with Black List, **Scoring List** (unique technology developed by Deny All), **Behaviour Analysis** and calls to Third Party anti-virus programs.

The Black List is maintained by **Deny All Research Center** (DARC) and can be updated automatically across all sProxy systems installed.



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### Load balancing and High Availability

sProxy interposes itself into High Availability architectures to ensure :

- intelligent distribution of HTTP and HTTP(S) requests to the fastest, lightest loaded servers
- monitoring of server dispositions and automatic switchover in the event of unavailability

### User authentication

sProxy accommodates all standard authentication types, including mutual SSL authentication by X509 Certificates.

### Acceleration: 3-times faster Web page access

- with its cache, sProxy responds to most user requests without the need for server enquiry
- sProxy compresses all types of documents "on the fly" (HTML, JavaScript, MIME, .doc, .ppt, .xls, ...) cached or not, transmitted in HTTP or HTTP(S).

### Performance: 3 times more simultaneous Web users

- sProxy transmits to the Web servers only filtered and non-cacheable traffic
- it optimises TCP connection processing and regulates server-bound traffic (HTTP/1.1 with asynchronous "Keep Alive")
- it accelerates SSL processing (supports principal accelerator cards including nCipher, SafeNet, FIPS140-2 compatibility, ...), relieves the processing burdens on the Web servers, thereby economising on these valuable resources
- sProxy routes traffic to the most responsive server

### Ease of administration

- sProxy is installable in minutes. Protection and acceleration are activated immediately across all Web applications.
- protection updates may be implemented manually or automatically, subject to company security policy
- sProxy's multi-machine graphic interface provides display and management support of all sProxy units installed
- protection can be tested using live data without interfering in any way with the flow
- sProxy provides comprehensive logs, SNMP traps, and statistics on performance and filtering

### *sProxy, Interoperability and performance*

- Available as an appliance or as software only
- Software or appliance virtualization available
- Scalable architecture high performance and high availability
- Compatible with all the browsers, firewalls, servers, load balancers and statistical tools available on the market

**Deny All is member of SAP Global Security Alliance, CLUSIF, l'OSSIR, l'OWASP and Associate Member of the Liberty Alliance.**

**Find Deny All in the world on :**

**[www.denyall.com](http://www.denyall.com)**

Deny All resolves the content problem, the principal medium for attacks over recent years, with its range of proactive application control and flow acceleration solutions.

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