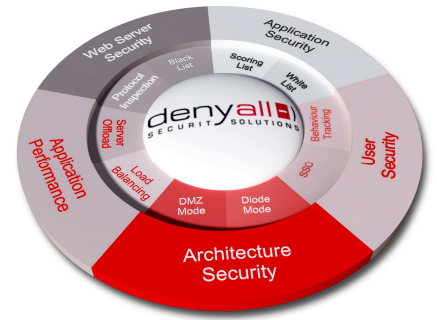


rWeb 3.8 Web / XML Application Firewall



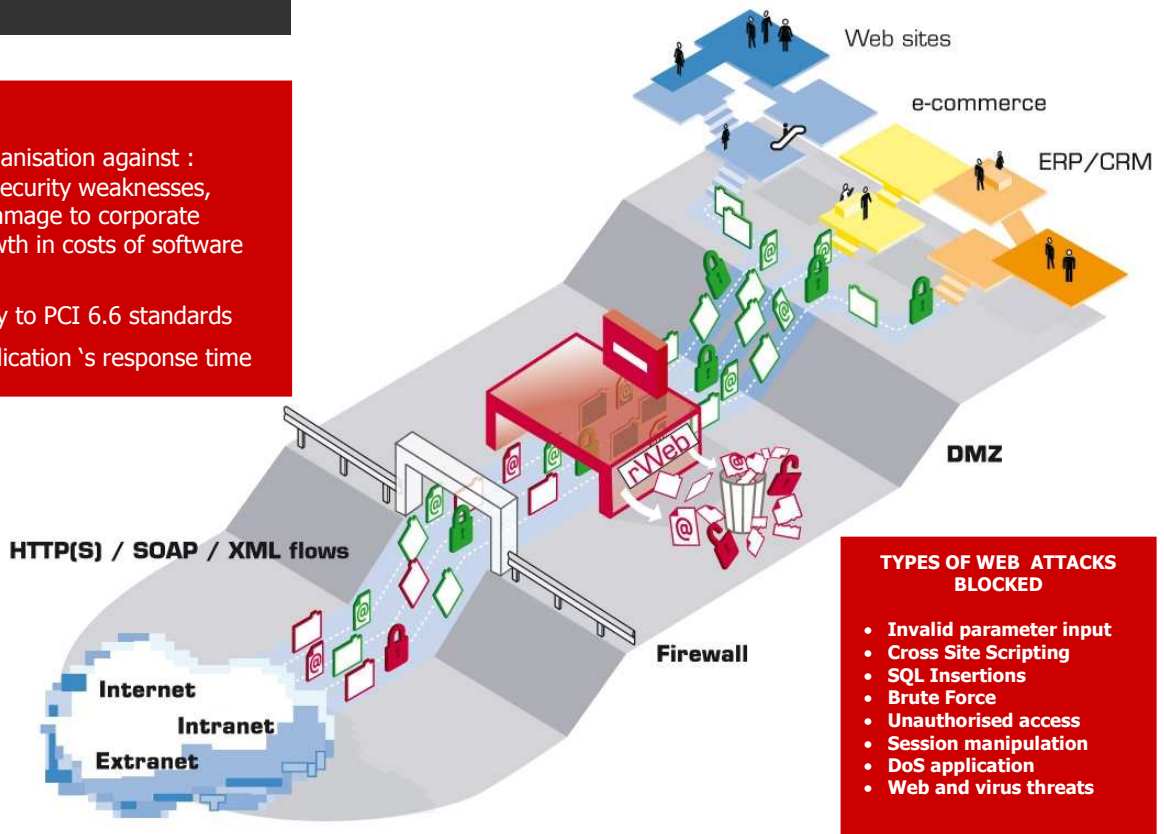
- rWeb, a unique solution for Web and XML applications***
- Instant protection against attacks
 - Proactive protection using the positive security model
 - Centralised control of authentication and Web SSO
 - Swift implementation and progressive security processing
- rWeb, High Performance Enterprise solution**
- Server acceleration
 - Web/SSL accelerator fully integrated
 - High availability of the architecture
 - 10 years live experience across major global infrastructures

Identity theft, access to confidential corporate data, service interruptions, threats to besmirch the corporate image... Today's attacks target the company's applications, impact on its daily business as well as its critical data... These attacks make use of the HTTP(S), SOAP, XML data flow to overcome traditional security precautions and to exploit applications' weaknesses.

The rWeb solution

Complementing the network's security already in place, the rWeb application firewall protects the entirety of an organisation's Web and XML applications by means of a unique solution. Simple to install, proven already in the most demanding infrastructures, rWeb is capable of securing and accelerating dozens of applications in a single appliance, with an unequalled level of protection and performance.

- Benefits**
- Protects the organisation against : exploitation of security weaknesses, theft of data, damage to corporate reputation, growth in costs of software fixes
 - Gives conformity to PCI 6.6 standards
 - Reduce the application 's response time



- TYPES OF WEB ATTACKS BLOCKED**
- Invalid parameter input
 - Cross Site Scripting
 - SQL Insertions
 - Brute Force
 - Unauthorised access
 - Session manipulation
 - DoS application
 - Web and virus threats

Technical characteristics

Based upon an optimised reverse proxy technology, rWeb filters the totality of HTTP(S), SOAP and XML* data flows to the applications. The level of filtering can be set parametrically so that it adapts itself to the required security policy.

Total protection

To secure critical applications, rWeb incorporates a **positive security model**, based on White List filtering. This approach guarantees the highest level of protection.

rWeb's dynamic auto-learning functions generate and maintain updated the filtering rules characterising the applications' normal usage. By this means, only those transactions identified in the White List will be authorised.

Deny All's positive security model :

- protects against known and unknown attacks
- reduces the processing costs of corrections and fixes
- adapts itself simply to applications' changes over time.

Instantaneous protection

As well as total protection, rWeb safeguards from the outset all Web applications against attacks, undetected by firewalls and IPS.

Instantaneous protection makes use of **the Black List** and **the Scoring List** (unique technology developed by Deny All).

Strong authentication and Web SSO

In addition to filtering functions, rWeb can also perform user authentication, access control and Web SSO. This architecture allows security to be reinforced without requiring the modification of back end applications :

- rWeb offers several native strong, mutual authentication modes (LDAP, Radius, RSA / SecurID, X509 Certificates, ...)
- rWeb Sign&Go* performs RBAC access control, single sign-on (Web SSO) and identity federation (SAML 2.0, ...).

XML and Web Services protection*

rWeb's extended version, rWeb-XML Edition*, protects Web applications and an organisation's Web Services with a unique solution. Deny All's proven approach to security guarantees triple protection to Web Services:

- instant protection against SOAP/XML attacks
- authentication of client applications
- pro-active SOAP/XML protection using the positive security model.

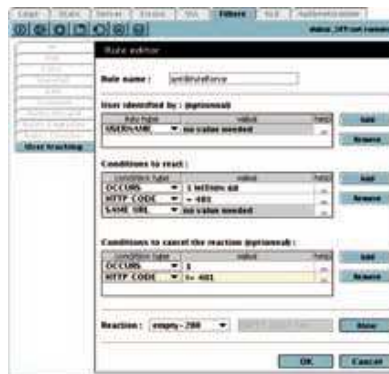


It also use **Behavior Analysis** module to follow each user's action and react in consequence.

It thereby blocks:

- cross Site Scripting, SQL insertions, session manipulation, ...
- evasion techniques, command insertions and invalid navigation
- attempts at Brute Force, DoS, and malicious robot scanning.

Protection is based also on the set of known attacks, constantly updated by **Deny All Research Center (DARC)**.



Web performance enhancement

Ensuring Web application security brings with it the requirement to guarantee both the performance and availability of the service. In response to these strategic needs, rWeb incorporates a comprehensive Web/SSL accelerator providing:

- HTTP(S) request cache
- "on the fly" compression
- SSL hardware encryption (compatible cards SafeNet, nCipher FIPS 140-2, ...)
- optimised processing of TCP connections
- load balancing across Web servers or SAP

Simple administration by GUI

- automatic Black List updates
- Scoring List auto-adaptation
- White List auto-learning
- security testing using live traffic transparently
- tuning of security by simple mouse click
- comprehensive logs, SNMP traps, statistics and reporting

Reduction in security processing costs

- enterprise protection during "windows of vulnerability"
- software upgrades and patches scheduled and processed efficiently.

rWeb, High Performance Enterprise solution

- Available as an appliance or as software only
- Virtualization of security available
- Secure multi-tiered architecture and pooling mode
- High Availability
- 10 years live experience across major global infrastructures
- Compatible with all available browsers, firewalls, load balancers and servers

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

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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* Sign&Go and rWeb XML are options for rWeb 3.8