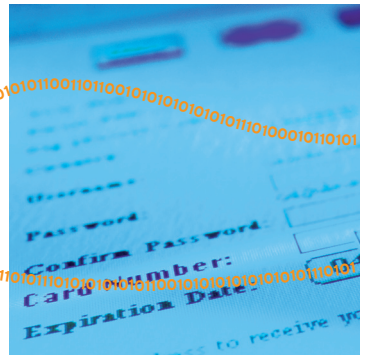


Comprehensive protection on the application level



As the only web application firewall on the market phion Airlock covers the entire spectrum for protecting and optimising complete web environments. Web applications can be provided directly to customers, partners and employees with differing authorisation levels. The combination of web applications security, single sign on and SSL-VPN access provides the best possible flexibility at the highest security level.

Features & Benefits

- Multi level filtering
- Dynamic white listing
- ICAP content filtering
- SOAP/XML filter
- Access control & SSO
- Extensive authentication methods
- Easy Integration & Administration
- High Scalability
- Reliable Monitoring and Reporting
- Application Delivery
- Flexible Integration due to Service-Oriented Approach

Multilevel Filter Concept

phion airlock eliminates dangerous requests to applications, thus protecting against known threats and even threats unknown today. Numerous filter levels prevent malicious and illegal requests at all levels. It is not necessary to maintain thousands of signatures and filter rules. phion airlock dynamically adapts to your Web environment and protects the applications proactively.

Comprehensive Access Control for Higher Security

With its preceding authentication enforcement phion airlock enables centralized access control separated from the business logic. This increases security while reducing costs. Only authenticated and authorized connections are permitted to the relevant application servers. Existing directory services can be smoothly integrated. Identity management for Web access is provided efficiently.

Easy Integration

phion airlock is placed immediately in front of the Web application servers and inspects all requests and data. The web application firewall integrates into your DMZ without you needing to relocate existing systems or change your network architecture. A seamless connection to surrounding systems is easily possible due to standardized interfaces.

Application Delivery

As preceding Web application firewall, phion airlock not only offers security advantages but also increases the performance and availability of Web applications. At the same, phion airlock adapts itself dynamically to application demands. High availability and short response times are ensured for all applications centrally.

Detailed Analyses and Evaluation Facilities

In the utilization of Web application firewalls monitoring represents an important component for the optimum settings of protection mechanisms as well as for the analysis of the entire Web environment. Based on the most diverse data sources, phion airlock consistently provides critical information on request structures, security setups, violations of filter rules and much more.

Unified Management

All applications and their security policies are managed centrally via the phion airlock management platform. The Web application firewall itself can be operated easily and efficiently as an appliance. At the same time the administrator is provided with a comprehensive overview that gives him complete control of the system.

Flexible Integration due to Service-Oriented Approach

You can now benefit even more from existing systems such as user directories or antivirus gateways with phion airlock, extending their use. Surrounding systems become connected via standardized interfaces. This increases both - the flexibility and investment protection of the entire Web environment.



phion airlock

Maximum Security	
Comprehensive protection on the application level	✓
Multilevel request and input filter against any kind of attack such as SQL injection, cross-site-scripting, directory traversal, forceful browsing and many others	✓
Cryptographic URL encryption and HTML smart form protection	✓
Strong and uniform user authentication	✓
Cross-platform Single-Sign-On	✓
On-behalf user login to back-end applications	✓
Secure session management	✓
Precautionary measures against application-level denial-of-service attacks	✓
Blocking of requests from anonymizing networks	✓
SSL VPN module for secure sessions of any protocols	✓
Network filter / lockdown of unused ports	✓
Complete protocol termination and rebuilding	✓
General HTTP cookie encryption	✓
Protected storage of HTTP cookies for secure data exchange between applications	✓
Secure reverse proxy server	✓
Highly secure internal architecture based on a trusted operating system	✓
Internal security zones with defined interfaces (i.e. dividing operation and management)	✓
Continuous system state monitoring and self-healing mechanisms	✓
Easy Administration	
Easy installation and configuration	✓
User-friendly Web-based administration	✓
Backup and recovery of entire configuration in a single XML file	✓
Unlimited virtual host support	✓
Digitally signed system updates for all components	✓
Remote access to protected networks via secure communication channels	✓
Dynamic back-end API for control of session parameters	✓
Configurable session timeouts, server certificates, private keys and certificate authority chain	✓
Configurable filter criteria	✓
Configuration changes in run time without session loss	✓

High Scalability	
Integrated failover cluster	✓
Support for virtual platforms (e.g. VMware)	✓
Load balancing and failover at session level to application servers	✓
Simultaneous accessing of different applications by an almost unlimited number of users	✓
Dynamic output compression to increase application speed	✓
Pooling of back-end connections	✓
Compatible with network load-balancers	✓
Optimized application availability	✓
Automated support for hard disk mirroring	✓

Easy Integration	
No changes to Web applications required	✓
Back-end HTML content rewriting engine	✓
Powerful response content rewriting (e.g. to mask error messages)	✓
Integration with any Web applications	✓
Easy integration with surrounding systems	✓
Seamless integration with Microsoft Outlook Web Access, Sharepoint and other commercial Web applications	✓
Support for foreign charsets	✓
No network adjustments due to configurable network parameters	✓

Reliable Monitoring and Reporting	
Automatically generated statistics and reports	✓
Powerful, interactive log analyses*	✓
Graphic visualization with zoom function*	✓
Unique user, session and request identification	✓
Clear and informative notifications	✓
Notification via e-mail, SSH, SCP, syslog and HTTP	✓
Monitoring via SNMP	✓
Detailed information on filtered requests	✓
Supports remote syslog host	✓
Comprehensive statistical information in log files	✓
Detailed information on users and sessions for each request	✓

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