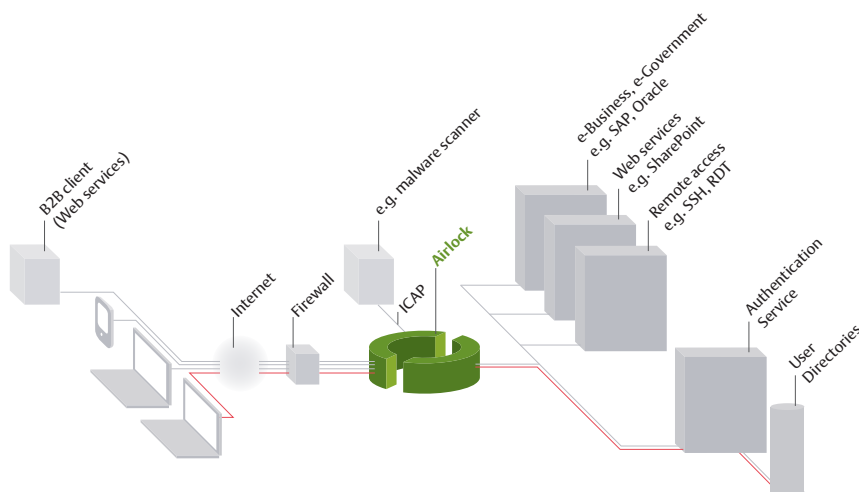# AIRLOCK

Secure Reverse Proxy Server and Web Application Firewall

Web application security requires more than just filtering

The Internet allows sensitive data to be accessed directly using electronic means. Web applications are vulnerable at every layer, even when priority has been given to addressing security during the development stage. The complexity of the attack scenarios and an increasing number of vulnerabilities is leading to loss of control and therefore to extremely high levels of risk. Internet attackers today have both commercial and criminal motivation. Systems that are attacked can reveal valuable data and be used to manipulate transactions and distribute viruses and Trojans (malware).

The consequences of an attack may include identity theft, access to confidential data, falsified transactions, poor availability and serious damage to an organization's reputation. The challenge facing companies is how to get a handle on the necessary security measures with an acceptable expenditure of time, effort and money.

The various layers of protection, e.g. authentication, involve much more than just filtering data traffic. Operating as a combined secure reverse proxy server and Web application firewall, Airlock offers a unique combination of protection mechanisms. All access attempts are systematically controlled and filtered. Airlock can force user authentication and facilitates single sign-on and SSL VPN access. All important information is made available through monitoring and reporting functions.

Most common types of attack

- Injections
- Cross-site Scripting (XSS)
- Session takeover
- Cross-site request forgery
- Forceful browsing
- Cookie tampering
- Path traversal

Advantages of Airlock

- Central access point
- Reduction of costs
- Faster compliance
- Shorter time to market
- Secure mobile synchronisation
- Increased availability
- Software appliance

Advantages of Airlock

As the only Web application security solution on the market, Airlock covers every aspect of protecting and optimizing the complete Web environment.

Gain control with a central access point
All Web access is controlled by Airlock. No anonymous interactions are possible with applications that have user authentication. Airlock has every layer covered and reduces costs and dependencies.

Efficient software appliance approach
Being a coherent software appliance, Airlock is easier to install and operate than other solutions. Updates can be installed without disrupting operations and provide coverage for all software components.

Meet compliance requirements faster
Airlock is a one-shot solution to satisfying all security requirements. The scope of protection is defined on an individual application basis according to the risk profile.

Shorter time to market for Web applications
Security requirements can be fulfilled faster. In problem cases, it is possible to gain control rapidly without adapting the application.

Secure synchronization with mobile devices (Secure ActiveSync)
Preceding authentication and protocol filtering protect the Exchange Server®.

Higher availability and performance
Web applications and Web services only have to deal with authorized users and valid data traffic. Load balancing and failover functions guarantee high availability.

Convenient, reliable configuration

- Modern Web interface
- Graphical mappings
- Role-based administration
- Templates for common applications
- Versioning and rollback
- Real-time regex tester
- Central certificate management
- Comment fields help with admin
- Activation in background
- Perform hotfix updates

Leading international security solution
Airlock protects Web applications and Web services against attacks and provides sustainable, centrally monitored security. 200 customers in 8 countries already protect over 5000 applications with Airlock.

Ergon Informatik AG delivers specialist IT excellence with a clear focus on customer advantage. The company leads the field in the implementation of customized applications and is an established producer of software products.

Airlock is a registered trademark of Ergon Informatik AG.