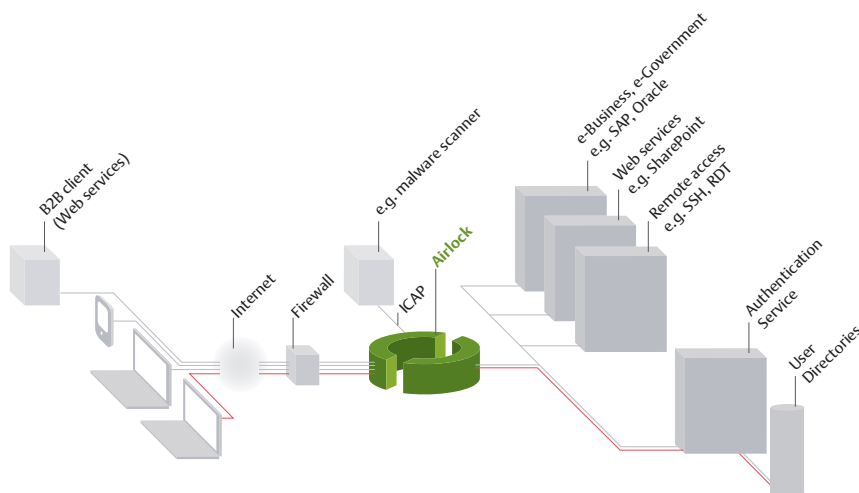


# AIRLOCK

## Secure, Flexible Access Control for Web Applications

### Heterogeneous technologies tear holes in access protection

Virtually every modern Web application requires user identification for certain types of access. Instead of being cleanly separated from the business logic, authentication mechanisms are usually tightly interwoven with it. This dependency leads to a situation where the authentication process has to be constantly reimplemented and tested for every new application or update. What's more, the applications are open to attacks from anywhere on the Internet, which could even be anonymous. For every new application, the connection to the authentication system must be laboriously integrated and made secure. This is expensive and increases the risk of vulnerabilities.



Secure access control is more important than any filter. Because it provides preceding authentication, Airlock allows access control to be centralized and separated from business logic. This increases security and reduces costs. Directory services can be incorporated with ease. Airlock provides a simple and secure way to implement single sign-on (SSO) and identity management for Web access. New applications can be rolled out more quickly.

### Challenges for access control

- Authentication is the key to security
- Proprietary logins are insecure
- Dangerous coupling of authentication with business logic
- Strong authentication is poorly supported by applications
- Heterogeneous technologies are often incompatible
- Application technology requires login processes too frequently

### Advantages of Airlock

- Flexibility through decoupling
- Security through preceding authentication
- Reduction of dependencies
- Lower costs
- Shorter time to market
- More secure single sign-on
- Can be combined with WAF filters

# Advantages of Airlock

## Flexibility through decoupling

Airlock performs authentication checks completely independently of the business logic and the technologies used to implement it. This means that whichever authentication methods and directory services are desired can be used across the board, regardless of the specifications for individual applications.

## Security through preceding authentication

Only authenticated, authorised connections are allowed through to the application server, meaning that there is no longer any way of conducting an anonymous attack on the target system. Strong authentication methods can be deployed independently of application technology. Preceding authentication is the single most important whitelist filter.

## Reduce dependencies and lower costs

Decoupling authentication reduces technological dependencies. Authentication need only be implemented once for the entire Web environment. This leads to lower costs for both implementation and ongoing operation.

## Shorter time to market

New applications can be quickly incorporated into the secure authentication environment.

## Secure single sign-on

The preceding authentication and controlled session handling provided by Airlock allow organisations to implement secure, flexible single sign-on scenarios. This is particularly useful in technologically heterogeneous Web environments.

## Combine Airlock with WAF filters

Airlock makes consolidated Web security a reality by allowing secure access control to be combined with other protection functionality (Web application firewall).

## 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 customised applications and is an established producer of software products.

Airlock is a registered trademark of Ergon Informatik AG.

## 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