Centralized security framework for your e-business

IBM SecureWay Policy Director

Highlights

Provides access control to Web objects

Adds centralized security to your existing Web and TCP/IP applications

Enables replication and load balancing

Provides a consistent, manageable access control policy

Offers extensible authentication and authorization

Delivers secure remote access and personalized access

Offers one-time authentication capability with access to multiple Web resources

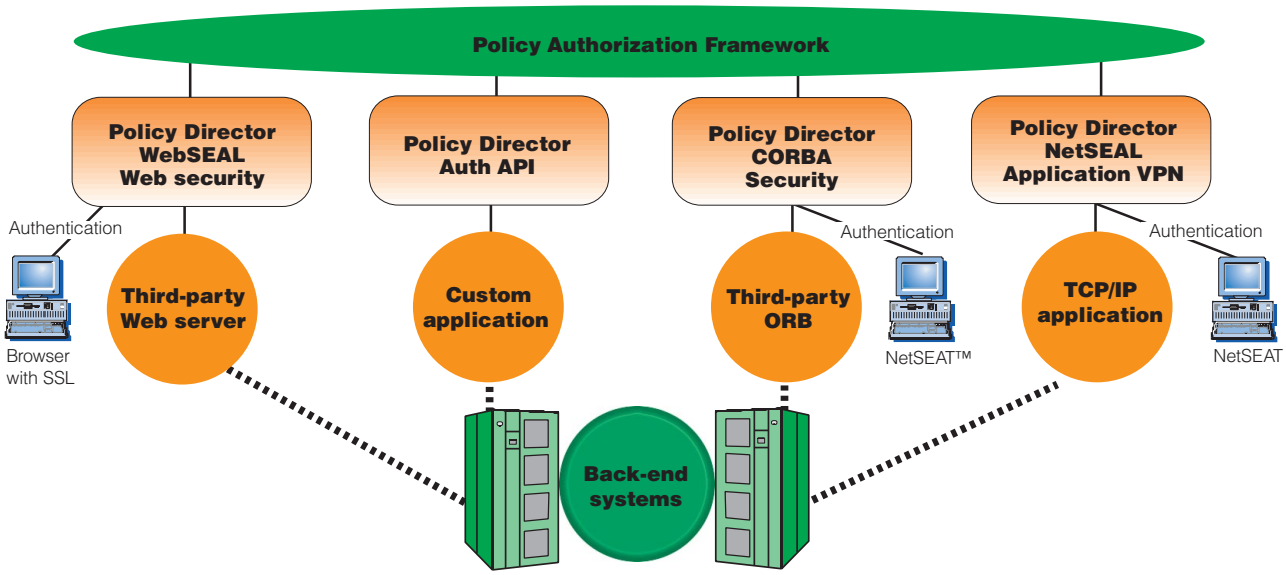
Helps reduce administration costs

Supports public key infrastructure (PKI)

Meets Year 2000 readiness requirements[1]

IBM® SecureWay® Policy Director includes the following components:

- Policy Director WebSEAL®
- Policy Director AuthAPI™
- Policy Director CORBA Security
- Policy Director NetSEAL™
- Policy Director management console



Policy Director can streamline your security management and provide long-term cost reductions.

e-business

Make corporate resources available securely on the Internet

SecureWay Policy Director
A good security system starts with a well-structured security policy. If you've purchased security software solutions from multiple suppliers like most companies today, you end up bearing the cost of trying to integrate these solutions to implement the security policy you've developed. Often, they can't be integrated.

Policy Director is the central control point for SecureWay FirstSecure, IBM's single integrated solution for your e-business security needs. Policy Director is designed to unite core security technologies – intrusion detection, antivirus, hardened boundary protection, including content filtering and a public key infrastructure (PKI) – around common security policies. This can reduce implementation time and management complexity, thereby helping to lower the total cost of secure computing.

Centralizing your security policy enables you to easily update or modify it without having to use various product-specific configuration consoles. At the Policy Director console, you can set policy that establishes user credentials and authorizes users based on those credentials. This determines what kind of access they have to Web applications and resources. Users can be placed in groups, which can be the basis for user authorization.

Policy Director supports defining and coordinating security policy across:

Enterprise Web servers and the browsers that access them
Policy Director provides support for authentication of specific users through a user ID and password, Kerberos credentials or client-side certificates. Access control can be set to specific URLs, files or common gateway interface (CGI) programs on the Web server.

New applications written to the Policy Director Authorization API
Policy Director includes an authorization API that allows an enterprise to efficiently support access control to Web objects, including HTML pages, graphics, CGI programs, Java applications and database queries.

Client/server TCP/IP applications
Policy Director provides support for authentication of specific users through a user ID and password and Kerberos credentials. It establishes an application virtual private network (VPN) between the client and server to protect data transmission over public networks.

Policy Director includes the following components.

WebSEAL
WebSEAL is independent of network topology and location, meaning security credentials are based on who your user is, not where your user is. It allows you to give users access to only the sensitive information they need. Your users will have a single sign-on to all Web resources, including back-end servers and Web-enabled applications. WebSEAL manages all your third-party Web servers, allowing you to centrally control all your Web resources as a single, logical Web space and enabling servers to be moved without users having to relearn server addresses.

By performing intelligent load balancing over replicated servers, WebSEAL lets your organization scale its deployment of servers without increasing management overhead. It also provides a fail-over capability, enabling Policy Director to automatically switch to a backup Web server. WebSEAL is designed to work with the Tivoli® Global Sign-On product to extend the enterprise level single sign-on that Global Sign-On offers.

AuthAPI

AuthAPI allows you to build Policy Director security and authorization directly into your corporate applications, helping reduce application development time and cost. By taking advantage of this, you can have your network managed centrally by Policy Director, which can significantly reduce the total cost of ownership and the likelihood of security breaches. AuthAPI gives you access to an application-independent security and authorization framework so you won't need to write authorization code for each application. You can use the full power of the Policy Director authorization and security services directly in your applications. Using AuthAPI, you can customize your users' network views to match their access privileges and create customized menus based on authorization information.

CORBA Security

Policy Director can add data integrity, privacy and authorization to existing CORBA installations. Using CORBA Security[2] (which is planned to be available as an enhancement in 1999), your organization should be able to manage security for its CORBA environment through the same console used to secure and manage Web, TCP/IP and other network resources. Through its support of Level 2 objects, Policy Director can be more tightly integrated with CORBA applications, allowing them to participate in authorization decisions. CORBA applications can query Policy Director to determine whether a user can perform a requested action or to obtain information needed to make a decision. The Inprise Visibroker object request broker (ORB) will be initially supported.

NetSEAL

NetSEAL is the secure network solution that enables your organization to authorize and secure traditional Internet services, such as TN3270, Telnet and FTP, as well as third-party applications, such as database systems, network management tools and ORBs. NetSEAL also enables you to extend access to in-house applications with authorization. Security credentials are based on who – not where – your user is. NetSEAL can be centrally managed for the entire enterprise and configured to complement and extend your existing firewall product.

Management console

Management console is a graphical Java™ application used to securely manage the various Policy Director components. The console allows you to add and delete users or groups and apply access controls using access control lists (ACLs) to objects.

Policy Director and SecureWay Boundary Server working together

SecureWay Boundary Server brings broad security solutions to help protect your business assets. When you use SecureWay Boundary Server with Policy Director, SecureWay Boundary Server can provide an extranet security framework to enable your company to connect to business partners, customers and remote employees over the Internet.

Part of the total IBM integrated security solution

Policy Director is a component of IBM SecureWay FirstSecure, delivering comprehensive security solutions that enable e-business.
Policy Director is available separately or as part of SecureWay FirstSecure.

For more information

To find out more about IBM SecureWay Policy Director, visit our Web site at:

www.ibm.com/software/security/policy

SecureWay Policy Director at a glance	
Platforms supported	• IBM RISC System/6000® • Sun SPARC • Intel® x86 or Pentium®
Operating systems	• IBM AIX® 4.3 or higher • Solaris 2.5.1 • Microsoft® Windows NT® 4.0
Client platforms	• Windows® 95 or Windows 98 • Windows NT 4.0 • X/Motif
Disk space	• 50MB
Memory	• 64MB

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[1] Year 2000 ready means that the IBM product, when used in accordance with IBM-associated documentation, is capable of correctly processing, providing and/or receiving the date data within and between the twentieth and twenty-first centuries, provided that all products (for example, hardware, software and firmware) used with the IBM product properly exchange accurate date data with it.

[2] All statements regarding IBM future direction or intent are subject to change or withdrawal without notice and represent goals and objectives only.

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