At a Glance
CA SiteMinder® Web Services Security (CA SiteMinder WSS) is a centralized, policy-based Web services security software product that helps secure access to services by inspecting the security and other content in XML messages. It enables your organization to create a centralized enterprise security service that provides authentication, authorization, federation and audit capabilities across heterogeneous IT infrastructures. This enables you to accommodate the security requirements of new application architectures at a reasonable cost.

Key benefits/results

Enable growth. Security with WS/SOA deployed to support external business.

Mitigate risk. Centralized security with consistent policy enforcement and auditing.

Reduce costs. Shared security service for use across application silos.

Simplify administration. Centrally managed policies across Web services using XML standards.

Key features

Access management. Centralized policy definition and execution provides message level authentication, authorization, federation, session management and auditing.

Security centralization. Separates enterprise security from the Web service, allowing externalized policy creation and change.

Heterogeneous support. Install SOA agents within service containers and/or with a XML gateway to accommodate various deployment models.

Identity-centric policies. Access policy decisions can be made based on XML message contents and requester attributes.

Standards support. Supports standards such as XML, SOAP, SAML Session Ticket, WS-Security, XML Encryption and XML signatures as well as .NET and J2EE.

Federation. Service federation enables you to serve as both a security token consumer and producer.

Business challenges

Securing expanding application architectures. Organizations are leveraging Web services and service-oriented architectures (WS/SOA) to improve the speed, flexibility, and cost of building and deploying applications. The distributed nature of this model and lack of security expertise amongst the teams deploying services can present a range of security management challenges.

Enforcing appropriate access controls. Similar to traditional Web applications, WS/SOA security involves managing and controlling who gets access to what. In short, WS/SOA requires equivalent security functionality that has become standard with websites—namely the authentication, authorization, auditing and administration capabilities that are commonly provided by Web access management systems.

Reducing security administration costs. In the absence of a centralized security architecture, application security is often created and managed in silos. This inconsistency can lead to increased risk of information leakage and higher security administration and regulatory compliance costs.

Solution overview

CA SiteMinder WSS secures access to services by inspecting the information contained in the XML documents submitted by service providers and consumers. Using centralized security policies bound to user identities, CA SiteMinder WSS delivers consistent authentication, authorization, federation, session management and security auditing services. CA SiteMinder WSS fits into heterogeneous WS/SOA deployments by providing agent and policy enforcement points that are controlled and managed by centralized policy decision points.

With CA SiteMinder WSS, organizations can centrally manage enterprise security for WS/SOA deployments no matter how many Web services or different infrastructure technologies are deployed. Providing centralized, policy-based security as an integral part of the WS/SOA infrastructure enables the abstraction of security from the Web services themselves. This eases the administrative burden and cost of providing consistent and reliable enterprise security for WS/SOA.
Critical differentiators

CA SiteMinder WSS provides a robust set of access management capabilities for Web services in a flexible, centralized manner. The product can be used in conjunction with other CA Technologies Security solutions for Web access management, identity federation, advanced authentication or identity management to holistically enable online business through Web applications, portals and XML-based Web services. CA SiteMinder WSS is built upon the proven architecture of CA SiteMinder®, one of the world’s leading and high performance Web access management systems, helping to support the highest levels of scalability, availability and reliability.

Related products/solutions

CA SiteMinder provides highly scalable Web access management for online applications.

CA SiteMinder® Federation enables federated cross-domain single sign-on or credential sharing; also available via the cloud with CA CloudMinder™ Single Sign-On.

CA AuthMinder™ enables deployment of a wide range of strong authentication methods.

CA RiskMinder™ protects data in real time via risk-based, adaptive authentication.

CA SiteMinder WSS Architecture

1. Web service requests can be secured by a XML security gateway located in the DMZ or a portal server making the request to a Web service hosted behind the DMZ.
2. Web services making requests to one another are secured by SOA agents.
3. Central policy server(s) secure Web service traffic. Website traffic can also be secured when CA SiteMinder capabilities are deployed.

For more information, please visit ca.com/siteminder-wss

Agility Made Possible: the CA Technologies advantage

With IT Security solutions from CA Technologies, you can reduce risk, reduce IT and security management costs, protect critical assets, and simplify compliance across complex IT environments. Protecting business information is critical to your company’s success. To thoroughly safeguard your entire IT environment, you need identity and access management capabilities, but also control over how information is used. IT Security solutions from CA Technologies can give you the control you need over your physical, virtual, and cloud IT environments—so you can protect your business and the information on which it relies. IT Security solutions from CA Technologies are part of our broad portfolio of solutions designed to help increase your business agility and ultimately out-innovate the competition.