

PRODUCT SHEET:  
CA SiteMinder

# CA SiteMinder®



CA SiteMinder provides a centralized security management foundation that enables the secure use of the web to deliver applications and cloud services to customers, partners, and employees.

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## Product overview

Your customers, partners, and employees fully expect anytime, anywhere access to your critical applications, information, and services. The proliferation of intranets, B2B extranets, and cloud applications presents opportunities to increase revenues, manage costs, and deepen relationships with users. But opening your organization via the web also presents significant security, management, and compliance challenges.

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## Benefits

CA SiteMinder lets you manage and deploy secure web applications to:

- Increase new business opportunities
- Manage costs
- Improve security to mitigate risk
- Ease compliance

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## CA advantage

CA SiteMinder delivers unparalleled reliability, availability, scalability, and manageability. The de facto gold standard for enterprise-class web access management, the CA SiteMinder family of products provides a comprehensive solution that addresses the critical need for automated tools to centrally manage your web users and their access to applications, web services, portals, and cloud services.

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## CA SiteMinder centralizes web access management and security policy

For all the promise of the web to increase revenues, manage costs, and deepen relationships with users, it also raises a new class of security, management, and compliance challenges. As your IT organization deploys applications with web front ends and looks to build and manage websites and portals to meet the information and access needs of potentially millions of users both inside and outside your enterprise, a fundamental question looms: How do you let business in while keeping risk out?

The answer is CA SiteMinder. With advanced security management capabilities and enterprise-class site administration, CA SiteMinder provides the centralized security management your organization needs to authenticate users and control access to web applications and portals. Across Internet and intranet applications, it enables the secure delivery of essential information and applications to your employees, partners, suppliers, and customers. It also scales to meet your growing business needs with flexible administration tools that can support either centralized or distributed administration.

Use CA SiteMinder to build and manage secure websites that offer a rich user experience, simplified administration, enterprise-class security, and 24/7 availability.

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### Key capabilities

**Single sign-on (SSO)** CA SiteMinder eliminates the challenge of multiple user logins by enabling single sign-on for seamless access across multiple diverse web applications, portals, and security domains. Seamless access to enterprise applications such as SharePoint, SAP, Siebel, PeopleSoft, and Oracle is also supported through the SSO capability of CA SiteMinder.

Integration with CA Single Sign-On (CA SSO), the enterprise SSO component of the CA Identity & Access Management solution, enables users to authenticate only once and have access both to web applications protected by CA SiteMinder WAM and non-web applications with access controlled by CA SSO.

**Strong authentication management** CA SiteMinder provides a unified authentication strategy to ensure the right level of security across Internet and intranet applications. This ensures that high-value applications are protected by stronger authentication methods while lower-value applications may be protected by simpler user name/password approaches. CA SiteMinder provides access management support for many authentication systems—including passwords, tokens, X.509 certificates, smartcards, custom forms, biometrics—and combinations of authentication methods.

In addition, CA SiteMinder enables authorization policies to incorporate authentication context.

For example, when two authentication methods are in use by a particular organization (for example username/password and one-time password tokens) and the user authenticates with the one-time password, the user can be granted increased application entitlements.

**Centralized, policy-based authorization, audit, and reporting** CA SiteMinder centralizes the access management for customers, partners, and employees across an enterprise's web applications. This eliminates the need for redundant, application-specific security logic and provides a lower-cost approach for ensuring an enterprise's ability to meet compliance requirements. CA SiteMinder policies are rules or rule groups that allow or deny access to a resource. Access can be restricted by user attributes, roles, groups, and dynamic groups, and determined based on location and time. Authorization can be conducted at the file, page, or object level. In addition, controlled "impersonation"—where one authorized user, such as a customer service representative, can access what another user can access—is also defined by policies. An embedded policy analysis engine, reporting system, and out-of-the-box reports support an organization's evolving needs for compliance and governance reporting.

**Dynamic authorization** Triggers security policies that evaluate data in real time from a variety of local or external sources, including web services and databases, to determine access authorization or denial. Finer-grained authorization is achieved through contextual evaluation. For example, limit access to a specific application (a certain banking service) to customers who meet specific criteria (a minimum account balance). Authorization policies can also be applied in conjunction with external systems, such as risk-based security systems.

**Enterprise manageability** CA SiteMinder provides enterprise-class system management tools, which give security personnel the ability to monitor, manage, and maintain multiple environments more efficiently, including the management of development, test, and production environments. These management tools include:

- Unattended installs
- Operational monitoring
- Rolling upgrades
- Centralized web agent management
- Application management abstraction
- Delegated and segregated management
- Web-based administrative UI
- Security policy migration
- Security zones
- Scripting interface capabilities

CA SiteMinder is part of the overall virtualization support policy at CA, which states that the platforms on the product support matrix are also supported in virtual environments.

**Scalability and reliability** CA SiteMinder can be scaled to meet enterprise-class security requirements both in terms of the number of users and number of protected resources, ensuring its ability to handle growth, including growth from acquisitions or partnerships.

Use CA SiteMinder to deploy critical business applications to multimillion user populations and be confident that its performance has been verified through independent testing to provide significantly higher transaction rates, reliability, and manageability than alternate solutions.

Reliability, availability, and scalability are supported by features including:

- Dynamic load balancing
- Two-level caching
- Policy server clustering and cluster-to-cluster failover
- Policy store and user store replication
- Support for 4- and 8-way SMP servers

**Secure access to cloud applications and partner sites** CA SiteMinder also provides an architecturally integrated, separately licensed capability that enables browser-based federation, whereby users can securely traverse from home sites (identity provider) to websites hosted by partners, customers, and cloud providers (service provider). CA SiteMinder customers can play the role of either website in a federation.

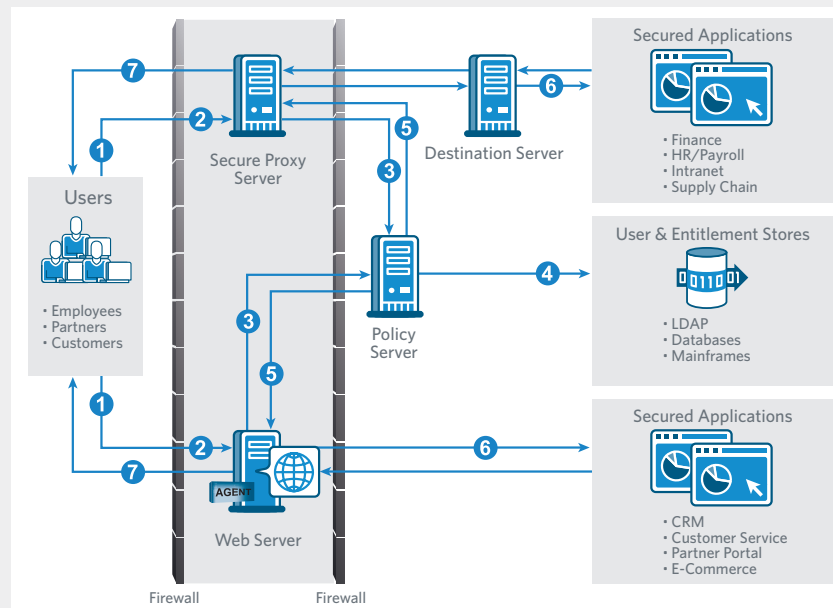
The federation functionality, called CA Federation Manager, provides a flexible and robust platform for identity federation, enabling organizations to realize the benefits of connecting distributed business applications across domains without sacrificing security. CA Federation Manager supports a comprehensive set of federation standards, including Security Assertion Markup Language (SAML) and WS-Federation/Microsoft ADFS. It enables complete, bidirectional federation from a single web security system with maximum interoperability among partnering enterprises. In addition, CA SiteMinder can be extended to provide security for web services through the addition of CA SOA Security Manager.

Figure A

## How CA SiteMinder works

The process for securely accessing web applications:

1. User attempts to access a protected resource.
2. User is challenged for credentials and presents them to the CA SiteMinder web agent or to the Secure Proxy Server.
3. The user's credentials are passed to the Policy Server.
4. The user is authenticated against the appropriate user store.
5. The Policy Server evaluates the user's entitlements and grants access.
6. User profile and entitlement information is passed to the application.
7. The user gets access to the secured application, which delivers customized content.



### **CA SiteMinder supports online business, enhances user satisfaction, mitigates costs, and increases IT control and security**

The web is open for business around the clock, and CA SiteMinder reliably and effectively enables your online presence to be secure, available, and accessible to the right users. Recognized for having the most advanced security management capabilities and enterprise-class site administration, CA SiteMinder can scale to support millions of users and thousands of protected resources.

CA SiteMinder allows you to meet the challenge of deploying resources via the web while maintaining high performance and high availability. It controls who is able to access which applications and under what conditions, improves users' online experiences, and simplifies security administration. By enforcing policies and monitoring and reporting online activities and user privileges, CA SiteMinder also eases regulatory compliance.

**Ensure the right users have the right access** With CA SiteMinder, the secure management of identities across diverse web systems means the system controls access by leveraging the users' context to the business (partner, consultant, customer, etc.) and their rights to each application. CA SiteMinder enables users to connect to the information and applications they need to do their jobs, place an order, or otherwise transact business.

**Increase security to mitigate risks** CA SiteMinder reduces the risk of unauthorized access to critical resources and sensitive information, protecting the content of an entire web portal or set of applications. Centralized security enforcement and FIPS-certified cryptographic algorithms means that there are no holes left open in a CA SiteMinder-secured web environment.

**Provide users with a positive online experience** CA SiteMinder lets users sign on once to access web applications, engaging them in a unified, personalized online experience rather than frustrating them with multiple logins.

**Increase business opportunities** CA SiteMinder lets you securely deploy web applications to multiple different user communities, enabling increased business opportunities that can enhance revenue. Extend CA SiteMinder with identity federation and your organization can improve collaboration with partners, further enhancing relationships to increase revenue, manage cost, and mitigate risk.

**Manage costs** CA SiteMinder mitigates IT administration costs. It also reduces the security burden on users and thus the burden on the help desk caused by lost or forgotten credentials. It also reduces redundant security-related application development and maintenance costs.

**Ease regulatory compliance** Central policy management, enforcement, reporting, and auditing support your ability to comply with IT-impacting regulations.

Authentication Methods	Enterprise Applications SSO	User Directories	Policy Server & Web Agent Operating Systems
<ul style="list-style-type: none"> <li>▪ Password</li> <li>▪ Forms-based</li> <li>▪ Forms and/or Certificates</li> <li>▪ Password over SSL</li> <li>▪ Two Factor Tokens</li> <li>▪ X.509 Certificates</li> <li>▪ Smart Cards</li> <li>▪ Biometric Devices</li> <li>▪ CRL and OCSP Support</li> <li>▪ Combinations of Methods</li> <li>▪ Custom Methods</li> <li>▪ Security Assertions Markup Language (SAML)</li> <li>▪ WS-Federation/ADFS</li> <li>▪ Windows CardSpace</li> <li>▪ Risk-Based Authentication</li> <li>▪ Zero-footprint multi-factor authentication</li> </ul>	<ul style="list-style-type: none"> <li>▪ Siebel</li> <li>▪ PeopleSoft</li> <li>▪ Oracle</li> <li>▪ SAP</li> <li>▪ Microsoft SharePoint</li> <li>▪ CA Single Sign-On</li> </ul> <p><b>Application Servers</b></p> <ul style="list-style-type: none"> <li>▪ Oracle WebLogic</li> <li>▪ IBM WebSphere</li> <li>▪ Red Hat JBoss EAP</li> </ul> <p><b>Other Standards</b></p> <ul style="list-style-type: none"> <li>▪ IPv6</li> <li>▪ FIPS 140-2</li> <li>▪ RADIUS</li> <li>▪ SNMP</li> </ul>	<ul style="list-style-type: none"> <li>▪ Sun Java System Directory Server</li> <li>▪ Novell eDirectory</li> <li>▪ Microsoft Active Directory</li> <li>▪ Microsoft AD/AM</li> <li>▪ Microsoft SQL Server</li> <li>▪ Oracle Internet Directory</li> <li>▪ Oracle RAC</li> <li>▪ Openwave</li> <li>▪ Oracle RDBMS</li> <li>▪ Lotus Domino LDAP</li> <li>▪ Critical Path Directory Server</li> <li>▪ Siemens DirX, DirXEE</li> <li>▪ IBM Directory Server</li> <li>▪ IBM DB2</li> <li>▪ CA Directory</li> <li>▪ Red Hat Directory Server</li> <li>▪ Radiant One Virtual Directory Server</li> </ul>	<ul style="list-style-type: none"> <li>▪ Microsoft Windows</li> <li>▪ Sun Solaris</li> <li>▪ HP-UX</li> <li>▪ Red Hat Enterprise LINUX</li> <li>▪ IBM AIX</li> <li>▪ Suse Linux</li> <li>▪ IBM Z/OS</li> </ul> <p><b>Web Agents</b></p> <ul style="list-style-type: none"> <li>▪ Microsoft IIS</li> <li>▪ Microsoft SharePoint</li> <li>▪ JBoss</li> <li>▪ Sun Java System Web Server</li> <li>▪ Apache</li> <li>▪ Red Hat Apache</li> <li>▪ IBM HTTP Server</li> <li>▪ Domino</li> <li>▪ Oracle HTTP Server</li> <li>▪ HP Apache</li> </ul>

## CA advantage

CA SiteMinder is part of the complete and proven CA IAM solution that helps you protect your IT assets across all platforms and environments. As such, it contributes to your ability to optimize the performance, reliability, and efficiency of your overall IT environment. The next step is to tightly integrate the control and management of distinct functions such as operations, storage, and life cycle and service management, along with IT security.

CA is the world's leading independent IT management software company, helping customers optimize IT for better business results. CA's Enterprise IT Management solutions for mainframe and distributed computing enable lean IT—empowering organizations to more effectively govern, manage, and secure their IT operations.

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## Next steps

To fully leverage the reach and power of the web and cloud computing, investigate the breadth and depth of CA SiteMinder. As the most comprehensive, scalable, and reliable web access management solution on the market, it supports your organization's ability to increase new business opportunities, manage costs, improve security to mitigate risk, and ease compliance.

To learn more, and see how CA software solutions enable organizations to unify and simplify IT management for better business results, visit [ca.com/products](http://ca.com/products).

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