

SafeNet

Authentication Solutions: A Single Strong Authentication Platform for Cloud and On-Premise Applications

Security Guide



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SECURITY GUIDE

Benefits

- **Seamlessly extend secure access to the cloud:** A single authentication platform lets you seamlessly extend enterprise identities to SaaS based applications
- **Achieve cost efficiencies:** Central management of all authentication and single sign-on operations reduces IT maintenance and deployment costs
- **Simplify user access:** Single Sign-on allows users to log on to enterprise and cloud applications with the same credentials

Easily Secure Access to Cloud Applications by Federating Identities with SafeNet

The Security and Business Implications of the Cloud

The move to the cloud has been both widespread and fast. However, for the enterprise security teams tasked with protecting access to sensitive data and systems, this evolution has been presenting significant challenges:

- **Diffusion of access control boundaries:** As enterprises transition to the cloud, they are essentially shifting their focus from controlling security with physical boundaries, to that of a virtual infrastructure. When security is physically contained, information is protected in the data center using methods such as encryption, strong authentication, access controls and application permissions. But when data and applications move to the cloud, user access - by default - takes place remotely. Organizations therefore have to contend with a diffused data perimeter which induces them to implement access controls for applications both in the cloud and those within the confines of the data center.
- **Identity proliferation:** Over the years, organizations have struggled in their ability to employ common identities and enable single-sign-on (SSO) access to disparate internal systems and applications. This challenge is even more pronounced as applications move to the cloud, since users now have an even greater number of identities and permissions that are not necessarily issued by the organization.

The trends described above have direct security and administrative ramifications on how organizations maintain control and manage user access to applications in the cloud, how they cope with the proliferation of applications and user identities, and how they cope with supporting a comprehensive mobile device security policy.

Strong Authentication and Identity Federation for Cloud-based SaaS Applications

To contend with the complexity of these security and management challenges, SafeNet offers organizations a single integrated platform that allows them to extend their users' on-premise identities to cloud applications. By so doing, organizations are able to centrally manage and control their strong authentication and security needs, as well as provide a complete single sign-on experience to applications residing in the corporate data center and the cloud.

Management Platforms:

- SafeNet Authentication Manager
- SafeWord 2008

Supported Authenticators:

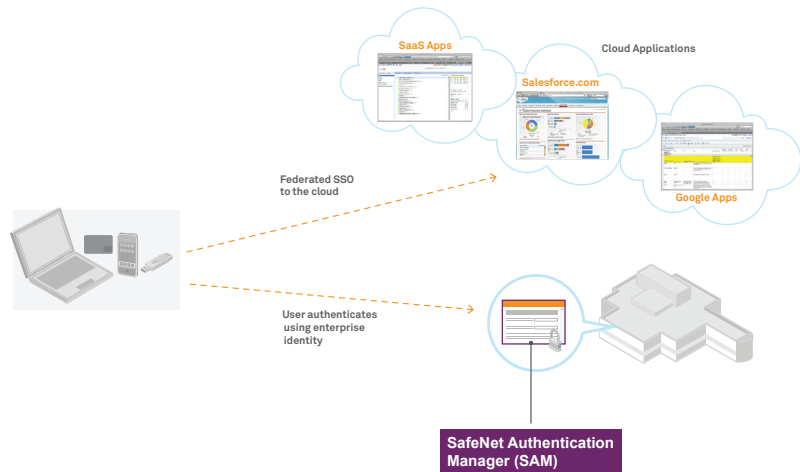
- eToken PASS authenticators
- MobilePASS OTP software authenticators
- MobilePASS OOB authentication

SafeNet's authentication platforms provide a seamless, consistent strong authentication and single sign-on experience for users who want to access SaaS-based cloud applications such as Google Apps and Salesforce.com. By federating an enterprise user's identity via the Security Assertion Markup Language (SAML), SafeNet authentication platforms leverage an organization's existing authentication infrastructure so that users can use the same logon credentials for both on-premise and cloud-based applications.

SafeNet Authentication Solutions: Your Trusted Authentication Entity

SafeNet's authentication management platforms in essence act as the trusted authentication entity, giving authorized users permission to access the application. The SaaS service is configured to allow access only to those users given permission by SafeNet's authentication platform.

This unified approach, combined with support for a broad range of authentication methods and form factors, allows organizations to transition to the cloud without compromising their security perimeter. Moreover, since all strong authentication and single sign-on is handled from one platform, organizations achieve significant cost efficiencies that are reflected in reduced IT infrastructure costs, lower IT maintenance and better productivity and convenience for end users.



Move to the Cloud without Relinquishing Security Controls

Strong authentication and single sign-on for SaaS applications is available with SafeNet Authentication Manager and SafeWord 2008.

With either platform, the enterprise security team retains complete control over the configuration, deployment, and administration of the authentication infrastructure, which remains in the enterprise's IT domain.

Organizations can deploy either platform in their network's DMZ, so users can authenticate directly to cloud-based applications and services, rather than having to go through the corporate VPN. As a result, users have a faster, more seamless experience accessing on-premise and cloud-based applications, while enterprises enjoy optimized security.

About SafeNet

Founded in 1983, SafeNet is a global leader in information security. SafeNet protects its customers' most valuable assets, including identities, transactions, communications, data and software licensing, throughout the data lifecycle. More than 25,000 customers across both commercial enterprises and government agencies and in over 100 countries trust their information security needs to SafeNet.

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