

## Cloud and SaaS Authentication with Enterprise

Enterprises have started adopting SaaS solutions aggressively in the last few years. Salesforce.com, Google Applications continue to increase enterprise footprint in SaaS and Cloud based computing. Enterprise authentication systems are no longer part of the externally hosted solutions, creating security and compliance challenges. Enabling and disabling new user accounts, controlling access based on policy now have to be extended beyond the standard enterprise IAM platforms in a seamless fashion to bring SaaS and Cloud based computing to mainstream enterprises.

### Security Challenge

Users are managed independently in SaaS or cloud configurations, new users get added directly to SaaS applications or cloud's local authentication systems. When employees are let go of, they continue to still have access to SaaS applications until enterprise IT administrators explicitly disables these user accounts in the SaaS application. In a standard enterprise configuration the enterprise IAM platforms like SiteMinder provide Zero-Day Access Control.

### Productivity Challenge

Enterprise IAM platforms do not automatically provision new users in the external SaaS Applications. New users have to make explicit requests to the respective SaaS application managers and user accounts are provisioned once the approvals are secured.

### THE SOLUTION: IMAG by APERE and Citrix

The Apere and Citrix VPX combined solution offers a comprehensive Authentication and Authorization platform for external enterprises, for enterprise based authentication and authorizations.

IMAG-TrueAuth is deployed passively in the cloud or SaaS data center with an IP Address, without any downtime or loss of productivity. Citrix VPX is configured against authenticate to IMAG-TrueAuth using Radius protocol.

IMAG-TrueAuth uses Kerberos on http or SAML service provider interface to uniquely identify and authenticate with enterprise configurations. Enterprise firewalls need not be reconfigured and there is no need for any new hardware to be installed in enterprise.

### About Apere

Headquartered in San Jose, California, Apere was established by a group of experienced technology entrepreneurs. Since its inception, Apere has been engaged in creating world-class products dedicated to offering state-of-the-art and cost-effective enterprise security solutions. More information about Apere can be found at: <http://www.apere.com>.

### Enterprise Authentication Challenges in Cloud

- **Authentication:** Citrix Access Gateway supports multiple modes of external authentication. SaaS and Cloud based computing needed support for each enterprise authentication system, independently.
- **Authorizations:** Access policies based on time and type of the user was needed to be implemented in conjunction with centralized IAM policies with enterprise IAM platforms.
- **Synchronizing with IAM:** Vendor List and vendor access policies are periodically updated in the IAM platform. Real time access control with authentication is needed to keep the enterprise compliant to enterprise policies.

### Apere IMAG and Citrix VPX Solution

- **Using Standard interface** - IMAG-TrueAuth Platform interfaces with Citrix Platform using Radius protocol.
- **Authentication:** IMAG-TrueAuth platform uses the inbuilt SAML Service provider code or Http on Kerberos to interact with Enterprise authentication systems for real time user authentication across the cloud. This does not require new hardware of firewall reconfigurations at the enterprise ends.
- **Authorization:** IMAG-TrueAuth using SAML SP protocol gathers the user groups and user policy information from IAM. This information is passed back to Citrix VPX so authorization policies can be implemented or IMAG-TrueAuth can be configured to implement the access policies. These policies can be specific per enterprise configuration.

