



## Encentuate® Single Sign-On

### What is the Challenge?

Enterprises have conventionally relied on passwords to secure access to corporate applications and network systems. Multiple passwords are the biggest barrier to secure, convenient and efficient information access in the enterprise. Complex password management policies, which are intended to enhance security, only lead to frustrated users and result in the following challenges:

- **Loss of user productivity:** Most users in enterprises have from 5 to 75 applications, databases and network resources that require authentication. Users experience a loss of productivity due to multiple logins, lost passwords, and complex password management policies.
- **High help desk cost:** On an average enterprises with password based systems allocate up to 40% of all helpdesk calls and spend up to US\$400 per employee per year on password management problems.
- **Ineffective Security:** Users tend to write down passwords, select common words to aid memory or use the same password for multiple applications. These poor password management practices can lead to identity theft and result in security breaches.

### Meeting the Challenge

Encentuate Single Sign-On provides enterprises with high user convenience, lower help desk costs and stronger levels of security - easily and quickly. The solution simplifies access to information resources through single sign-on and sign-off to web, desktop, and legacy systems, and eliminates the burden of multiple passwords.

The solution is fast-to-deploy and employs a unique end-point identity and access management architecture to enable single sign-on and sign-off, without modifying the existing application infrastructure.

### Encentuate Single Sign-On Benefits

- **Enhanced user productivity:** 85% reduction in time-to-information. Users no longer have to remember multiple passwords and have an easy and secure way to access corporate applications and network systems. Productivity is enhanced as users no longer have to chase helpdesks for forgotten passwords or comply with complex password management policies.
- **Lower help desk costs:** 35-40% elimination of IT help desk costs. Encentuate eliminates multiple password hassles and dramatically reduces help desk costs.
- **Secure information access:** single sign-on eliminates all security hazards due to poor password selection and management. Enterprises can transparently enforce stronger access security policies through authentication management, and incrementally migrate to certificate-based strong digital identity.

### Benefits

#### High User Productivity

- Simplified access to information and network resources through single sign-on and sign-off
- No need to remember multiple passwords and adhere to complex password management policies

#### Lower Helpdesk Costs

- Eliminates the need to manage multiple application passwords

#### Risk Management

- Secure information access through low-risk transparent security approach
- Comprehensive support for HIPAA, Sarbanes-Oxley, GLBA, FFIEC and SB-1386 requirements

#### Fast Deployment

- No modification required to existing application infrastructure
- Easy rollout using centralized push deployment

### Features

#### Transparent Security

- Fortified passwords through centralized password strengthening policies
- Multiple authentication factor support: USB tokens and smart cards, one-time password tokens, biometrics, proximity cards and RFID
- Seamless migration to certificate based strong digital identity

#### Enterprise Single Sign-On and Session Management

- ESSO to web, desktop, and legacy systems
- Single sign-off from all applications
- Comprehensive session management for shared workstations, including shared desktops, private desktops and roaming desktops
- ESSO support for all end-points: Windows, Terminal Services, Citrix and complete browser-based single sign-on
- Easy anytime, anywhere user self-service

#### Centralized Management

- Global security policy definition and enforcement at the user, group or application level
- Centralized access revocation without any administrative overheads
- Comprehensive credential back-up and recovery facility
- Centralized user-centric audit logs to track users' access and identities across applications

## Solution Architecture

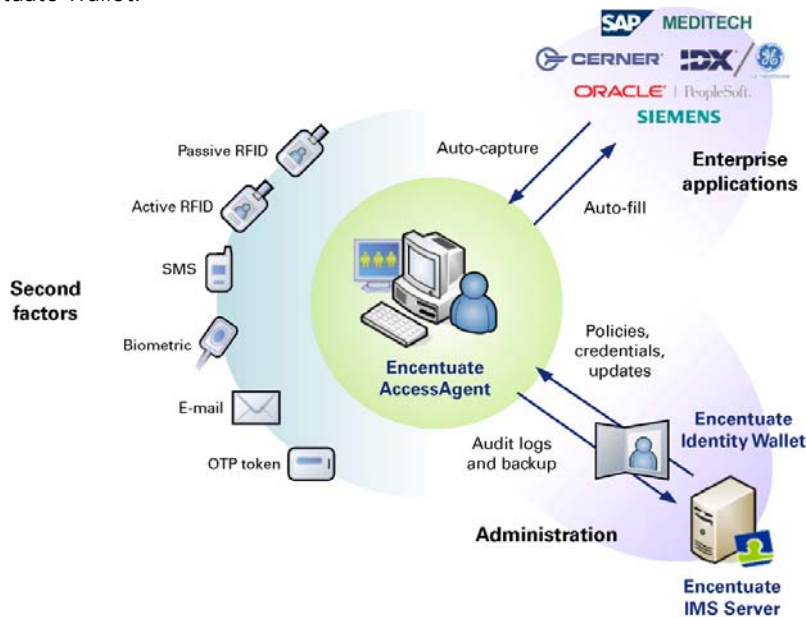
Encentuate Single Sign-On adopts an end-point identity access management architecture. The key components of the solution are:

**Encentuate AccessAgent:** Client software that acts on the user's behalf for single sign-on and sign-off, authentication management and transparent security upgrades.

**Encentuate Wallet:** A personal, encrypted, repository of user credentials. The identity wallet roams to the point of access and stores the user's personal identity profiles including log-in credentials, certificates, encryption keys and user policies.

**Encentuate IMS Server:** Provides centralized management of users and policies. All policies are defined centrally and enforced through the AccessAgent. The IMS Server also provides comprehensive back-up of credentials, loss management, audits and compliance reporting.

**Authentication Factors:** Emphasis on leveraging existing infrastructure and multiple alternatives for strong authentication such as USB keys, one-time password tokens, biometrics, proximity cards and RFID, which protect the Encentuate wallet.



## Out-of-box support for web, desktop, and legacy systems

### Windows Log On

- Windows 2000/XP/Server 2003
- Active Directory Login
- NT Domain
- Novell Client
- Kerberos/NTLM
- Option to enhance Microsoft's GINA

### Web and Thin-Client Applications

- Out of the box support for applications based on Microsoft Internet Explorer or built for thin clients
- Support for complex web pages including form based, pop up sign-on, dropdown lists, radio buttons, pop up dialogs, and checkboxes

### Example Desktop and Client Applications

- Cerner
- JD Edwards
- Lawson
- Lotus Notes
- Oracle
- PeopleSoft
- SAP
- Microsoft Exchange
- Microsoft Sharepoint

### Example Dialup, Networking and VPN Support

- Cisco
- Checkpoint
- Nortel
- Microsoft VPN
- Microsoft dial-up networking
- iPass
- GRIC
- Fibrelink
- Citrix Nfuse

### TTY and Mainframe Applications

- Pre-configured for commercial and custom terminal emulators such as Putty, Secure CRT, Reflections, Rhumba, etc.
- Support for commercial and custom mainframe applications such as Care Manager and Meditech
- Supports multiple log on and password screens

*An average enterprise spends US\$150 - 350 per user per year on password management – Gartner Group*

*Password management requests account for up to 40% of help-desk call volume – Gartner Group*

*49% of users write down their passwords – NTA Monitor Survey*

*Average user has access to 16 apps, databases and systems – Meta Group*

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## About Encentuate

Encentuate is a leading provider of identity and access management solutions that enable enterprises to automate access to corporate assets, strengthen security, and enforce compliance across all end-points. Through a user-centric approach, Encentuate delivers enterprise single sign-on, strong authentication, session management, workflow automation, and centralized admin and audit capabilities, without requiring changes to existing IT infrastructure.

Encentuate is headquartered in Silicon Valley, Calif. and has offices across North America and in Singapore. Encentuate's customers span a range of industries, including healthcare, biotechnology, manufacturing, government and financial services. SC Magazine named Encentuate the best identity management solution in 2007 and the best single sign-on and two-factor authentication solution in 2006. More information about Encentuate is available at [www.encentuate.com](http://www.encentuate.com) or by calling +1.866.362.3688.



