

Providing Secure, Convenient and Efficient Access to Enterprise Information

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 access to information in enterprises. Complex password management policies which are supposed to enhance security, only lead to frustrated users and result in the following challenges:

- **Loss of user productivity:** On average, users need to log in to as many as 16 applications every day. Multiple log ins and password management problems result in loss of user productivity.
- **High helpdesk costs:** On average, up to 40% of all helpdesk calls are password related and enterprises spend almost US \$350 per employee per year on password management problems. Reducing password issues is therefore vital to reducing helpdesk costs.
- **Poor 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 lead to potential identity theft and result in security breaches.

Encentuate TCl for Sign-On Automation

Meeting the Challenge

Encentuate TCl Solution for Sign-On Automation easily and quickly increases user productivity, lowers helpdesk cost, and strengthens security. The solution simplifies access to information resources through sign-on and sign-off automation to web, desktop, gateway and legacy applications. It also completely eliminates the burden of multiple passwords.

The solution is very fast to deploy and employs a unique user-centric, server-managed architecture to enable sign-on and sign-off automation, without the need to modify the existing application infrastructure.

Encentuate TCl for Sign-On Automation provides the following benefits:

- **Enhanced user productivity:** 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 call helpdesks for forgotten passwords or comply with complex password management policies.
- **Lower helpdesk costs:** META Group reports sign-on automation results in a 33% reduction in helpdesk call volume. Encentuate Sign-On Automation eliminates multiple password hassles and dramatically reduces helpdesk costs.
- **Secure information access:** Encentuate Sign-On Automation 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

Enhanced User Productivity

- Simplified access to network resources through sign-on and sign-off automation
- No need to remember multiple passwords or adhere to complex password management policies
- No loss of productivity as a result of forgotten passwords

Lower Helpdesk Costs

- Dramatic reduction in password related helpdesk calls

Effective Risk Management

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

Fast Deployment

- No modification required for existing infrastructure
- Easy rollout across the enterprise using centralized push deployment

Features

Transparent Security Upgrades

- Sign-on automation eliminates password-based security hazards
- 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

Convenient Sign-On/Sign-Off Automation

- One password for logging on to web, desktop, gateway and legacy applications
- Sign-off automation through time-based log out from all applications
- Secure access to information in a shared desktop work environment
- Adherence to frequent sign-on and sign-off requirements
- Easy sign-on management in offline mode
- Comprehensive support for user mobility and secure remote access
- 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

TCI Solution for Sign-On Automation

Transparent Security. Convenient Usage. Integrated Access.

www.encentuate.com

Solution Architecture

Encentuate TCI Solution for Sign-On Automation adopts a unique user-centric, server-managed architecture. The key components of the solution are:

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

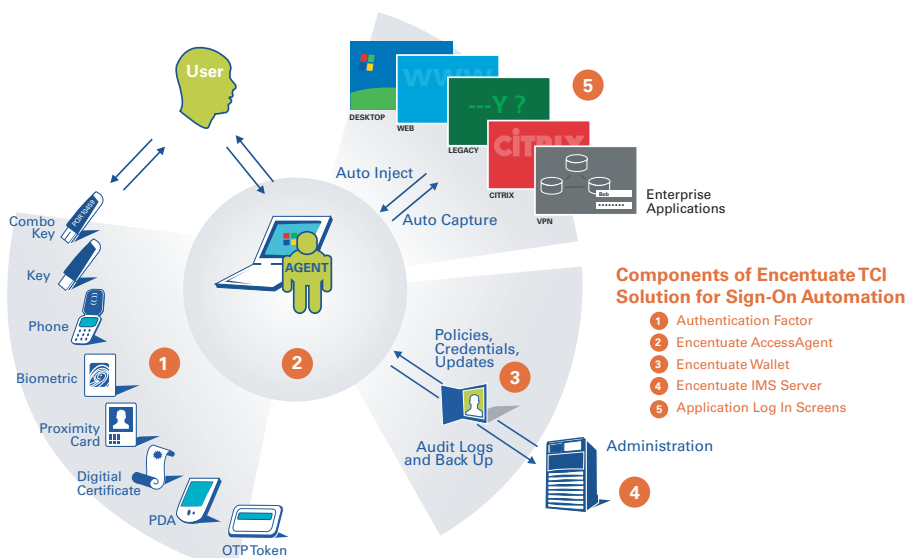
Encentuate Wallet: A personal, encrypted, repository of user credentials. The Encentuate Wallet roams to the point of access and stores the user's personal identity profiles including log-in credentials, certificates, encryption keys and user policies.

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: Multiple alternatives for strong authentication such as strong passwords, tokens, smart cards, USB keys, one-time password tokens, biometrics, proximity cards and RFID.

"We've rolled out Encentuate TCI to more than 750 users in our organization. Encentuate was the ideal solution-giving our users the convenience of sign-on automation, providing stronger security for the widespread protection of our intellectual property, and allowing us to meet our Sarbanes-Oxley requirements. Deployment was especially easy because we could keep our back-end infrastructure intact."

Moses Cesario,
Vice President of
Information Systems, Affymetrix



Out-of-box support for web, desktop, gateway and legacy applications:

Network Log On

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

Desktop and Client Applications

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

Web and Thin-Client Applications

- Out-of-box support for Microsoft Internet Explorer or thin client-based applications
- Support for web forms

TTY and Mainframe Applications

- Pre-configured for commercial and custom terminal emulators like Putty and SecureCRT
- Support for commercial and custom applications such as Care Manager and Meditech
- Supports multiple log-on/password screens

Dialup, Networking and VPN

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

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