

# CRYPTOCARD and Evidian: A Solution to Simplify and Secure Access to Enterprise Information

Cybercrime is a serious, real, and all-to-prevalent threat to organizations of all sizes in today's networked environment. Over 90% of companies are protected by traditional username and password authentication - meaning valuable information resources are vulnerable and privacy is compromised.

To address this issue, CRYPTOCARD and Evidian have joined forces to introduce a complete solution that simplifies, secures and standardises network based access (VPN) to corporate information resources.

## Protection of Enterprise Information

CRYPTOCARD delivers products and services that reduce risk by integrating market leading two-factor authentication capabilities to computers and networks. As part of a security policy, two factor authentication can increase the time it would take to hack a password from less than 60 seconds to over 7 years. It can also reduce the time taken to implement and maintain compliance with quality/audit procedures such as Sarbannes-Oxley.

Complementing the two factor initial authentication, Enterprise Single Sign-On from Evidian extends protection to the authentication of the applications themselves - applying an application authentication and access policy as well as automating the whole process.



### Critical Points To Consider

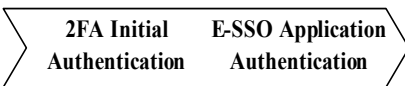
- Total worldwide revenue for identity and access management will increase from \$3 billion in 2005 to more than \$5 billion in 2010, IDC
- Computer hackers and online fraudsters are stealing confidential company data that is expected to cost British business £700m a year by 2020.
- Internet (access to data) crime has pushed ahead of burglary as one of the crimes people feel most at risk of in their everyday lives.
- Online banking fraud doubled in the UK to £23.2 million last year, according to payments group APACS. Banks carry much of the liability for such fraud.

### Two-Factor Strong Authentication

Two-Factor Authentication (or 2FA as it is commonly abbreviated to) – uses a token to generate a unique one time password (OTP) for every logon, eliminating the risk associated with ordinary (or static) passwords, as each password will work once and only once. Add the second factor – a secret PIN known only to the token owner – and you have a proven, strong, secure authentication solution.

Once the end user is authenticated, then Enterprise Single Sign-on manages and secures the access to the applications themselves. Users no longer need to handle dozens of passwords, the SSO engine module on the PC controls how, when and from where a user may connect to a specific application.

2FA and Enterprise Single Sign-On can help you to implement an effective authentication and access policy in two very simple steps:



### Introducing CRYPTOCARD Authentication

CRYPTOCARD's solution is a simple to install server based product, delivering two-factor authentication easily and efficiently. This

allows a company to take advantage of strong security within an existing systems and network infrastructure. CRYPTOCARD's solution makes use of a unique portal to ease the implementation and monitoring of the solution – ensuring the costs of Adds, Moves and Changes are reduced and dramatically reducing the costs of password resets by up to 30% – which typically cost organizations over £60 per user per year.

The size of an organization is never an issue as the solution is scalable and can be implemented for anywhere from 5 to 50,000+ users. The solution provides ultimate flexibility as the server complements all types of security and remote access solutions (Firewalls, IPSEC, SSL VPN, RAS, Citrix, Web Portals etc). It is available either as an on-site server solution or as a managed service.

### Introducing Evidian Enterprise Single Sign-On

WiseGuard enables you to design and automate authentications to all password-protected applications.

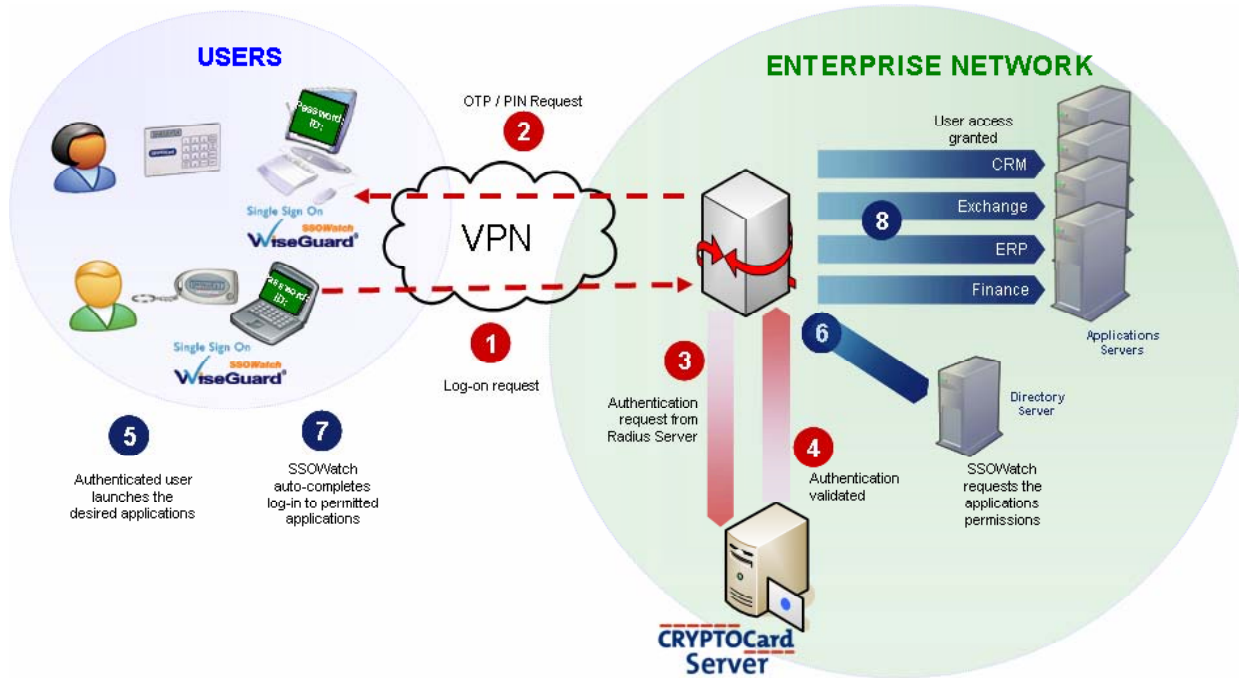
WiseGuard takes advantage of the corporate LDAP architecture storing the SSO Policy and reusing the identities described in the corporate LDAP directory. WiseGuard offers self-administration capabilities, such as modifying identifiers and passwords, delegating user access and choosing role-based access to applications. Administrators use SSOSTudio to define applications, passwords and roles policies and to assign applications to users or groups of users.

### Features and Benefits

- **Two-Factor Authentication using One-Time Passwords adds a layer of security that makes a system near foolproof.**
- **Enterprise Single Sign-on manages and secures the access to the applications themselves.**
- **Every logon event is logged and associated with a specific user to reinforce network security.**
- **Granting or revoking a user's access only requires their token to be activated or disabled, no password changes are needed.**

*“Although positive authentication has traditionally been utilized by larger enterprises who have the resources to evaluate and install such solutions, CRYPTOCARD's collaboration with Evidian makes it simple for any-sized organization to implement effective password management and authentication – not only improving overall efficiency, but also ensuring full compliance with increasingly-strict security legislation.”*

– Mark Lardner, Managing Director, AppSpeed, UK



**How it all works**

The process of integration is very simple – all requests for sign-on are re-directed to the CRYPTOCard server rather than directly to the network.

Once the sign-on has been received, the service simply verifies the details entered and authorization is given.

Then all you need to do is use WiseGuard SSOWatch on the PCs of the users and the administrators. Once a user is authenticated via CRYPTOCard, the WiseGuard SSOWatch module connect to your Active Directory LDAP and retrieves securely SSO configuration data such as application login screen description, access policy, password policy or users identifiers and passwords.

Then, each time a user connects to a target application, WiseGuard SSOWatch provides the application with the required identifiers and passwords.

**Its all very simple and yet extremely effective.**

**Forget your passwords?**



**Just remember this!**



**Evidian WiseGuard**

- Reduced help desk costs
- Increased user satisfaction and productivity
- Security policies and corporate governance

**Features**

- Plug-and-play single sign-on
- Multi-factor strong authentication
- Smart card management
- Extended management of access rights
- Emergency access via primary password and PIN code reset
- Mobile E-SSO for employees
- Fast User Switching
- File encryption as part of collaborative work
- Workstation protection to decrease risk of information loss or theft

### CRYPTOCARD delivers reductions in:

- Cost of installing and running access security – by turning Capex into Opex
- The process of compliance with Sarbanes-Oxley and on-going audit trails
- Resource required for Adds, Moves and Changes
- Costs of resetting users passwords – the biggest single support headache
- Token provisioning and fulfilment
- Developing a security infrastructure

### WiseGuard delivers reductions in:

- Costs of resetting users applications passwords
- The process of compliance with Sarbanes-Oxley and on-going audit trails
- Deploying a new application
- Costs in user productivity, lost password is not any more an issue for end users.
- Applying a password policy
- Using existing LDAP infrastructure to manage access to applications



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