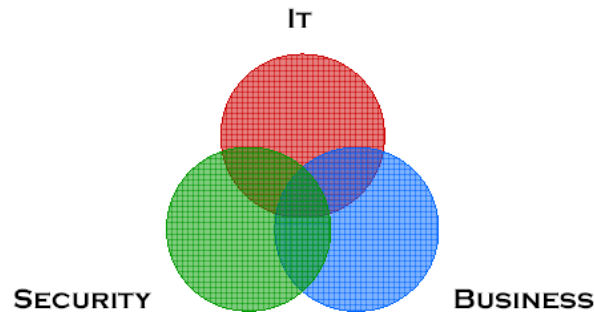




# Single Sign On System

*Pete Jones, Hitachi Europe Ltd*

# 12.1 FV Business Solutions 1 – Single Sign-On



## 3 Points of view for SSO

### Benefits from Security perspective

Managing access to applications

- the right to connect
- the time connected

Security Managed at the User Side

- Unique signature for different apps
- Automatic sign off

Effective way to manage users

- User set-up/deletion

### Benefits from IT perspective

- To increase security without developing new Interfaces for every application
- To manage access to multiple locations from a single console
- Effective password management & auditing
- To manage non-employee access effectively

### Benefits from Business perspective

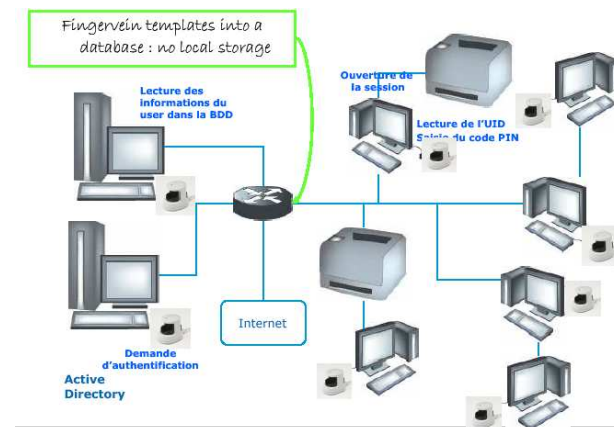
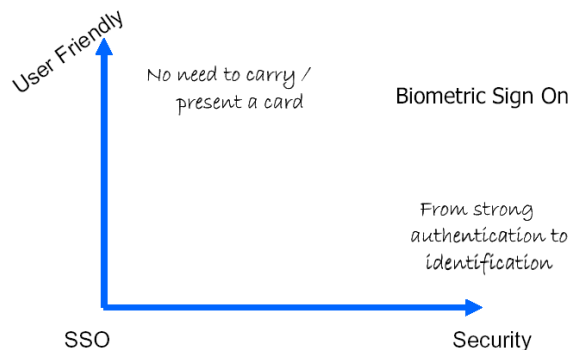
- Easy and cost-effective logical access management
- Increased level of audit for compliance purposes

### But What are the Risks ?

One password or smart card+PIN – access to all applications

### Is it an Open Door ?

# 12.2 Biometric Single Sign-On using FV



## Management/Business Benefits

- Traceability, especially critical data updates
- Secure remote access: home office and tele-workers
- Less focus on badges and cards
- Privacy compliant [non Traceable]
- Link to Physical Security
- Managing non-employee access (trainee, technical support or installation)

## Traceability

- Records of connexion (time, length) for security but also for legal reason (Sarbanes-Oxley)

## Security

- Multi-Factor authentication with liveness detection system

## 12.6 FingerVein SSO main characteristics

Secure Information system through :

- Strong authentication (FingerVein network)
- Session Locking (managed by the system)
- Connexion management (time table)
- traceability of connexion and
- One single signature for different applications

- **Cross authentication : PC following by Server**
- **Easy management of templates, security, access and logs**
  - **Real time end user supervision.**

# 12.7 Scenario

System waiting for the user's finger to be placed



Finger is placed and read by the scanner



Access to PC is granted for valid fingers



Securitisation of files, directories and applications

