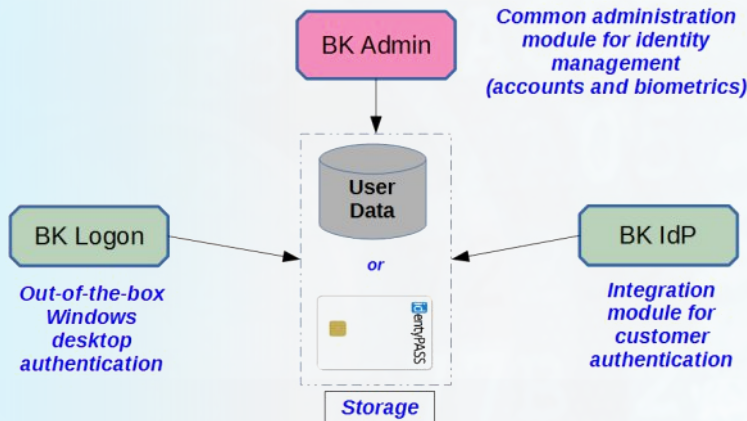


BioKiosk modules overview



BK logon uses common domain accounts for native Windows logon

BK IdP (Identity Provider) can use the same accounts or different identities for applicative authentication.

The 2 types are managed by the same interface and can be stored in a database or in the user's card.

Common Administration

Biometry



- Out of the box support for fingerprint, fingervein, 2D and 3D facial
- Additional modalities can be added at customer's request
- Proprietary additional anti-spoofing verifications for safer biometrics
- Biometric enrolment under administrator supervision for quality control
- Integrated management of third-party biometric licenses
- Automated selection of the biometric reader according to the card content



Identity management

- Web-based or Windows® native tool for account management (association to biometric data)
- Can handle server-based or smart card credentials
- Accounts selected from the AD domains and presented to the client in text format for easy integration
- User-defined realms are possible for use in customer applications with IdP module
- Any type of biometry can be enrolled for each user
- Accounts or smart cards can be revoked at any time

Global configuration

- Configuration tool accessible from a simple browser
- Can set local, global or user settings
- Biometric settings (threshold, minimum quality) can be adapted for sensitive accounts or computers
- Workstations can be set in Normal or Kiosk mode



Storage security (Server)

- Encryption of credential data using AES256
- Brute force protection using credential pre-authenticator by user's PIN
- Credential isolation : even if the database is compromised, each account must be brute-forced individually

Storage security (Smart card)

- Active Logon Applet technology: data delivery is controlled by the applet, no brute force attack possible
- Supports storage of different types of biometry in the same card
- Communications with the card using single-use session keys
- In option, full point-to-point encryption with server
- Works with most v2.2 Java Cards and PC/SC readers
- Easy remote activation of the cards : no hardware-attached licencing



BK Logon

Windows® logon with FUS

- Can work as a fully decentralized solution: no database, server or Active Directory schema modifications
- Auto-enrolment of the password : entered by the user at the first logon
- Automated change / renewal of password according to the domain policy (including win2008's PSO objects)
- Automated lock of the user's session at smart card removal
- Ready for Windows® 7, 8 and 10, for 32 and 64 bits
- Adaptive logon (in option) : easy logon (Bio only) for user mode, administrator mode protected by second factor (PIN) or token

Kiosk functions for Citrix®

- Automated opening of sessions using Citrix® StoreFront Authentication framework
- Kiosk mode with shared local logon and roaming Citrix® sessions
- Compatible with Citrix® XenDesktop® and clients from Citrix® Receiver 4.0+
- Easy configuration with direct testing of the settings
- Support for VDI desktops without persistency (virtual machine provisioning)
- Challenge/Response authentication possible on demand

BK IdP

Third party integration

- Available as a separate product (SDK) for use by third-party applications
- Very simple integration : returns credential data to the caller after successful authentication
- Available in Challenge/Response mode with separate Authentication server (optional)
- Accepts Bio only or Bio + PIN authentication
- Local interface using C DLL API, cloud interface using REST API

Smart card version

- Use of common JavaCard that can accommodate other applications
- Can work in 100% offline mode (with optional card revocation)
- Administration privileges controlled by special *Admin* cards, separate from domain administrator accounts
- Ability to adopt new readers or biometry technology without changing the already deployed smart cards (only additional enrollment needed)



Global view of the card



Fingerprint/vein biometry interface

Swiss company based in Geneva, our field of expertise covers biometry, smart cards and authentication.

Based on proximity and belief in open technologies, we want to simplify the adoption of innovative solutions for our customers.

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