# idblox®

Identity Credential Ecosystem for Rapid Deployment of an ID Credential

Until now the only way to build a credential that had high levels of physical and logical security was to assemble an expensive team of professionals and programmers that would get the project from A to Z. If the credential needed to be authenticated by multiple methods such as biometrics, it represented additional customizing costs. This process was disorderly, costly and time consuming, leaving the task to large integrators who could supply security programs to governments and large enterprises able to afford the expense and complexity. Most customers with smaller volumes or budgets could not be easily addressed.

A new methodology is reshaping this landscape. Customers with smaller budgets can now purchase out-of-the-box components and services directly from resellers and hook them together seamlessly without programming to get from A to Z in a fraction of the time and costs.

idblox® is a standard for high security ID product interoperability and a consortium of leading technology companies committed to product performance and interoperability. The idblox standard defines logical data structures, credential security, printing and communication exchanges between credentialing and application products. Products implemented with this standard streamline ID system design, enrollment, credential management, vetting, issuance and use. This standard is based on data collection and credential mechanisms from ICAO, PIV-I and common XML data tags already in use.

With idblox, data interchangeability is based on standardized logical data structures found across a wide variety contact and

DESIGN → ENROLLMENT → CREDENTIAL MANAGEMENT

VETTING → ISSUANCE → USAGE

contactless cards. When a use application needs this data, it is found at the same file and memory addresses across multiple card types. The security keys and passwords are the only variables. The ability to have common functionality across multiple credentials or to have a wide range of functionality on one credential without programming costs is truly a revolution.
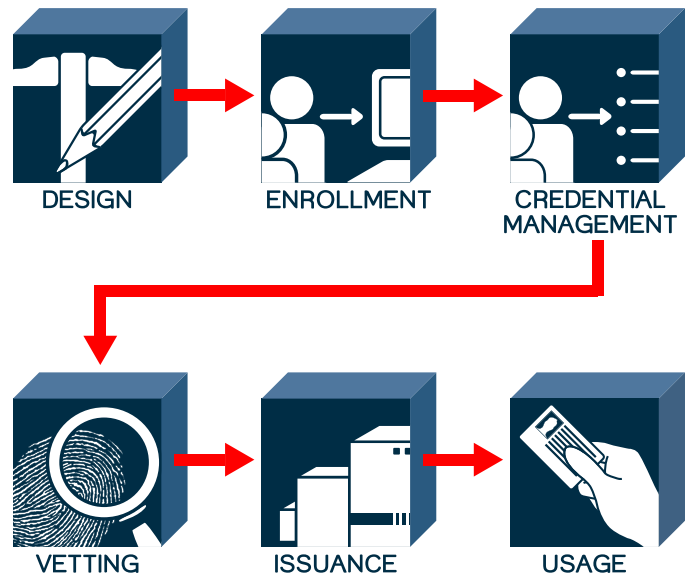
Design

Project design is broken into to a few easy steps.

1. Define the system architecture, by choosing the system components. The primary choice is based on where the credential management data will live, i.e. cloud-based or internally served.

2. Select user functionalities e.g. logical access, mobile authentication, e-wallets, and physical access.

3. Design or choose the credential graphics and physical security features. Pre-stamped, under-laminate Holofoil cards and pre-printed, under-laminate ReadyStart™ Secure Cards with Guilloche, Microprinting, UV and Validator will be available for market specific applications. These cards are offered as contact, dual-interface or contactless.

4. Decide on the logical data structure of the card based on the functionalities and use environment. These can be chosen from market templates from a menu. Just add your keys to the project and the design work is done.

For more information, contact your CardLogix Sales Representative.

CardLogix M.O.S.T. Toolz® v4.0

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Identity

Enrollment

The determination of the method of enrollment is based on location and the use of biometrics. Web-based enrollment has very distinct limits with security and biometric modalities. Out-of-the-Box products are available today that integrate fingerprint, face, and iris. These require a minimum of training to implement.

Credential Management Systems

It is often stated that creating databases is easy, but creating data security is next to impossible. Over the last few years Integrated Data Management Systems "IDMS" options from printer companies were an after-thought, given away to secure the consumable business. But with chip-based credentials and biometrics, the problems of data interchange and privacy quickly become severe. idblox vendors and products address this with standards that lower the costs from proprietary systems.

Vetting

Student IDs and employee badges have been typical markets served by traditional security resellers. But these markets are morphing. As more and more public problems arise from sexual predators and internal cybercrime, the need to perform background checks on educational staffs and potential employees becomes more and more acute. With an approved idblox vetting service this can be done profitably and efficiently.

Issuance

Encoding and issuing a smart credential requires the right tools for the job. Traditional printer design and encoding software does not provide adequate feedback loops to prevent expensive mistakes from occurring. The choice of printer that can be easily accessed for adjustment, repair and maintenance is critical for product cost controls. After choosing the right encoding software and printer the issuer has to match the credential to the correct user.

Evolis Printers

Use

There is a wide world of use cases for a properly vetted Identity credential, ranging from a traditional access badge to adding e-wallet features to the same card. A growing range of Out-of-the Box products are ready to be incorporated into a successful project.

Door Locks

Time and Attendance Terminals

Corvus Enrollment Systems

Mobile ID Terminals

Precise Biometrics Readers

Access Smart Log-on

For more information go to idblox.com

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