

The Born Identity



CORNERSTONE
HUMAN IDENTITY SOLUTIONS





Attributes and Benefits of Cornerstone

- Positive, real time identity management
- Multiple applications, choice of biometric, single interface
- Strong security architecture, as used by DoD
- Flexible function suite easily customised by user
- Readily integrates into legacy and third party systems
- Single system physical and logical access management
- Proven, widespread implementations.

When you're born you come with a complete and unique set of identity features. These features are yours and yours alone. These are YOU in a world of OTHERS. Cornerstone can see, hear and read these unique features, which makes it one of the most sophisticated security solutions available in the world today.

Cornerstone is an identity management product suite that delivers multiple applications with multiple biometrics and easily integrates into existing building management systems and third party security applications or products, including non biometric identifiers such as a range of Proximity and Smart (iCLASS/MiFare) Cards.

At the heart of Cornerstone is a biometric enrolment and recognition product called True Identity Manager, that helps you manage biometric databases in a simple and effective way. Cornerstone incorporates access control, time and attendance, visitor management, secure credentials (photo ID cards) – and asset management applications all within a single integrated, secure and customisable package. Each application is supported by a single administrator toolset allowing comprehensive customisation and flexibility.

Cornerstone supports a range of complementary technologies and products, standing alone with iris recognition or fingerprint biometrics or, through the use of the Biometric Engine, supporting 67 biometric algorithms and 107 biometric acquisition devices.

Within Cornerstone you can manage photographic images and design and print identity, smart or even credit cards. RFID readers, barcode scanners, digital scanners and other peripherals are readily integrated as required.

Cornerstone is a proven solution used in high security sites in the government, correctional facilities and hospitals. Critical components used by Cornerstone have been accredited by authorities such as ICAO, the FBI, and the Common Criteria.

TRUE IDENTITY MANAGER

Manage identity records, enrol biometric data and coordinate security functions.

The manager component within Cornerstone is designed to assist the supervisor enrol and recognise persons. The enrolment process is designed to be user friendly, utilising graphical cues and feedback to ensure the enrolment experience is rapid and convenient for user and supervisor alike.

The enrolment process, which is delivered via a self guiding “wizard”, allows a operator to scan drivers licences or similar documents from which personal data can be extracted and used to populate the relevant databases. Or the same data can be entered manually.

Where a supervisor elects to produce an identity document (card) at the time of enrolment additional fields are provided to accommodate card specific data. The enrolment wizard incorporates toolsets that allow a photo to be taken, that image to be manipulated and then stored as well as printed on the card. The photo management and ID card module contained in Cornerstone is FIPS201 compliant (US Government “Personal Identity Verification of Federal Employees”). It is suitable for physical and logical access solutions.

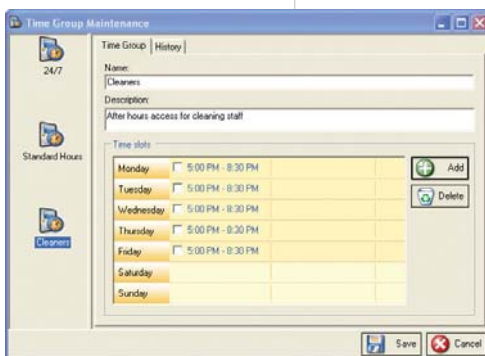
The wizard then completes the enrolment process by capturing the biometric data required – say, an iris image, or a fingerprint scan.

The True Identity Manager is common to all Cornerstone applications and functions.

ENTRY ACCESS CONTROL (EAC)

Protect high security environments with absolute confidence and efficiency

The Cornerstone EAC module helps manage physical access rights and privileges. It is a full featured EAC application, or can interface to any building management



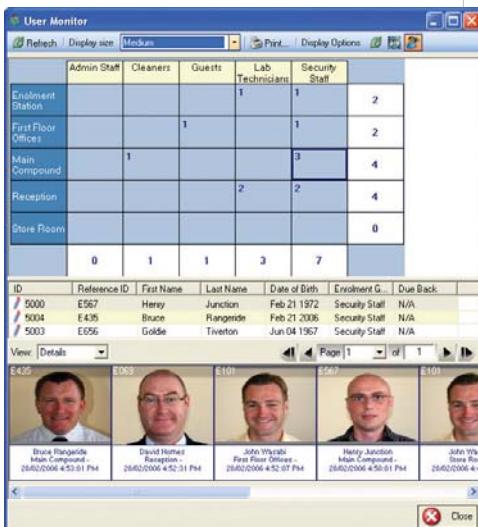
system for control of entry and access. The True Identity Controller (TIC) is responsible for handling all communications between third party building management and access control systems, and the Readers (biometric and card). Cornerstone is readily interfaced with Security Systems and Building Management Systems out-of-the-box and may be configured to provide alarms for various conditions upon staff or visitors moving through a door, though this would normally be provided by the building management solution. If there is no existing building management system in place, Cornerstone will

operate as an access control system and directly control the door strikes.

The Entry Access Control component is intrinsic to Cornerstone’s enrolment function in that times, locations, doors, and date permissions are able to be allocated to individuals who are to make use of the access control system. The functional aspects of the system are similar to, and form the basis of, the Visitor module.

As with every other aspect of use of Cornerstone, a full audit trail of access times and locations, as well as attempted access, is kept by the system for reporting.

VISITOR MANAGEMENT



	Admin Staff	Cleaners	Guests	Lab Technicians	Security Staff
Enrolment Station			1	1	2
First Floor Offices		1			2
Main Compound	1			3	4
Reception			2	2	4
Store Room					0
	0	1	1	3	7

ID	Reference ID	First Name	Last Name	Date of Birth	Enrolment G.	Due Back
5000	E567	Henry	Junction	Feb 21 1972	Security Staff	N/A
5004	E436	Braun	Rangeride	Feb 21 2006	Security Staff	N/A
5003	E656	Golde	Tiverton	Jun 04 1967	Security Staff	N/A

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E436	E656	E101	E567	E101	
Braun Rangeride Main Compound - 29/02/2006 4:50:01 PM	David Horned Reception - 29/02/2006 4:52:31 PM	John Wynne First Floor Offices - 29/02/2006 4:52:07 PM	Henry Junction Main Compound - 29/02/2006 4:50:01 PM	John Wynne Store Room - 29/02/2006 4:49:58 PM	

Know who is where and when

Providing accurate identification at the point of entry to a secure or sensitive facility is only part of the identity management story. Many users also need to know where staff, contractors or visitors are within a facility. This might be for safety, security or legal reasons. The Visitor module within Cornerstone is a comprehensive package that provides you with the ability to track enrollees in, through and out of a facility. That tracking includes the ability to set various traffic parameters such as the time expected to be taken between check points, or even the direction that an enrollee must take when moving through the facility. Other logic steps ensure that staff cannot leave a facility, for example, until critical pieces of equipment are returned to store. Or are unable to exit through an entry point. These logic “gates” and processes are especially important in law and order scenarios and have been successfully installed and used in Australian correctional facilities.

TIME & ATTENDANCE



Improve efficiencies as well as ensure proper staffing

A very natural outcome of having accurate biometric identity coupled with a real time database is the ability to provide a company or department with unequivocal evidence of start and finish work times. While the benefits of this embrace the traditional cost benefit models of any time and attendance solution Cornerstone is unique in that, when coupled with biometrics, there is no ability to “buddy punch” cards or tokens on behalf of absent workers. In turn that assurance allows a company to have a high degree of confidence that only those with the correct training or certifications are present on a work site.

Cornerstone allows a supervisor to actively manage the time and attendance process or the process can be left to run automatically in the background. Data can be directed to reports or exported to third party software packages such as payroll systems.

ASSET MANAGEMENT

Monitor and Manage Critical Assets to guard against unauthorised usage or theft

Cornerstone allows you to link a biometric identity to tokens such as barcodes and RFID tags. This means that a sensitive piece of equipment such as a handgun, or a tool used in aircraft maintenance can be linked to the person who is issuing the item as well as to the person in receipt of the item. Cornerstone logs both the issue and the receipt of items and any failure to return items can trigger appropriate alarms. In tests conducted with a law enforcement agency the time savings on the issue and return of firearms saw a 61% decrease in the time taken to manage these items. Business efficiencies, as well as a thorough audit trail of who took possession of what, is a powerful part of the Cornerstone asset management module.



SECURE CREDENTIALS

Seamlessly integrated into Cornerstone is a toolset that allows you to design and print secure credentials. Those secure credentials can take the form of any card based system available on the market today.

The Secure Credentials toolset allows you to produce a card for a person when they are first enrolled in your system. Or a card can be issued at a later date. Linking cards and other biometric identifiers is one way to provide dual factor authentication. That it can be achieved through the one interface makes card management fast and convenient.

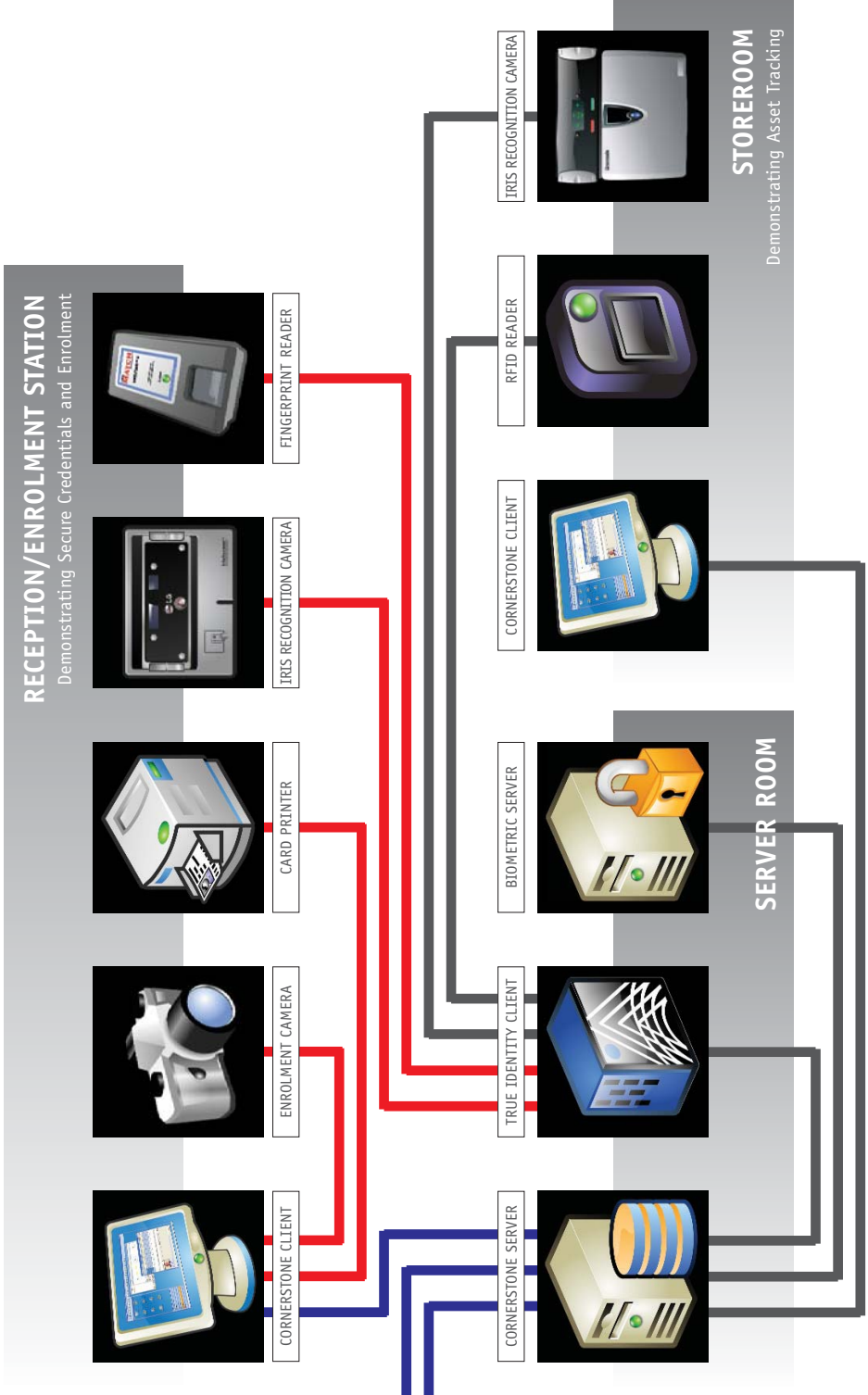
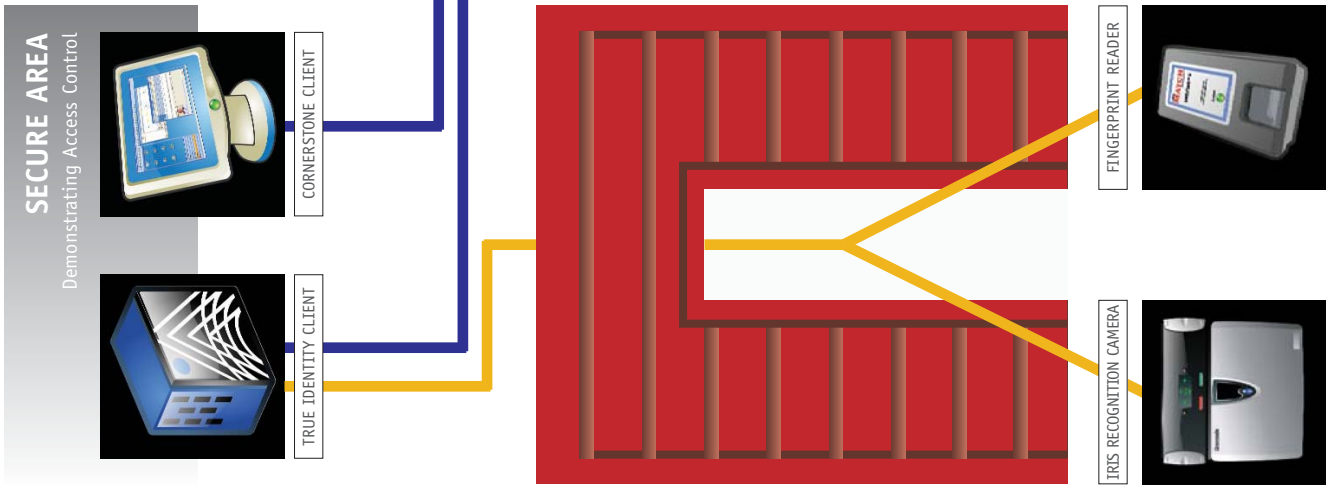
The enrolment process includes an image management component that allows captured images, or those drawn from a library, to be manipulated while cards can be printed from existing, imported or specially designed templates.



When combined with Cornerstone this Secure Credentials package helps you:

- Ensure there are no duplicate cards or enrolments
- Manage a user's status
- Audit a persons use of the system
- Link cards and card use to a persons privileges

The secure credentials component is the EPI product from IWS Inc. It meets FIPS 201 Personal Identity Verification (PIV-I and II) specifications.



SECURE BIOMETRIC PORTAL

Biometrics can include: Iris, Face, Finger, Voice, Signature and Other
Other devices include: Prox and RFID

Note: Lines show data flows and NOT physical connections. Access control, asset tracking, clock on/off and other functionality can be implemented to continue functioning in the event of hardware failure including the Cornerstone Server. This is achieved through data replication across all TIC Clients and the Cornerstone Server.

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