

Convergence Of Physical And Cyber Security

Client Need

Our client wanted to address the issue of many stove-piped security systems that were not integrated, particularly their Public Key Infrastructure (PKI) and Card Management Systems (CMS). The goal was to develop automatic workflows to centrally manage all of their security systems in one place.

Our Solution

Cogito Group implemented Jellyfish to connect our client's disparate security systems. Jellyfish enabled the client to:

- See a holistic view of the connected security systems.
- Search across multiple certificate authorities (CAs) and CA vendors.
- Provide each CA with a dedicated interface to request certificates.
- Register soft certificates in an anonymous portal.

Jellyfish not only enhances how our client can currently manage their security systems; it also influences the future capabilities of their security infrastructure. The communication between physical and logical security creates and scalable infrastructure which attends to devices, networks and - most importantly - people.

Capabilities Demonstrated

Cogito Group demonstrated a variety of professional capabilities, including:

- Cryptographic technologies.
- Professional services.
- Linking physical and logical access.

Implementation

Cogito Group's key implementation challenge throughout this project was dealing with legacy systems that were not designed to integrate to new systems. Our team took on the challenge of converging the following systems into one holistic interface:

- Multiple Web RA interfaces.
- Multiple Web Hander interfaces.
- An aged Card Management System (CMS) interface and CMS registration portal.
- A legacy directory interface.

Jellyfish enabled the management of smart cards and their issuance, card and identity management, logical access control and physical access control.

The Benefits

- Streamlined and improved reporting within the PKI environment.
- Visibility of issued certificates.
- Ability to issue certificate types such as SSL and Virtual Smartcards without additional cost.
- Ability to interact with any corporate directory solution allowing the addition or removal of Roles, Groups, and Organisations Units (OU).

About Cogito Group

Cogito Group is an award-winning, Australian owned and operated ICT company, specialising in authentication, cloud security, identity management and data protection. Cogito Group protect the authentication methods used to access information through the use of Identity and other security technologies. Cogito Group protect data not only from unauthorised access and disclosure, but also from being altered by an unauthorised third party or a trusted insider with malicious intent. This assists in the detection and prevention of fraud or other malicious activities by third parties or trusted insiders.