

About Cogito Group

Digital Security Experts

Cogito Group is an Australian owned and operated ICT Company. We are digital security experts specialising in 'enabling technology' that keeps your physical, logical and cloud-based data and infrastructure safe. Examples Cogito Group services are Identity and Access Management systems, one-time password tokens, smart cards, card management systems and Public Key Infrastructure.

Cogito Group will protect your information: where ever it sits and how ever it is received.


Cogito Group are designers, system integrators and sustainment specialists. We specialise in bringing together component subsystems in to a whole and ensuring those subsystems function together. We focus on bridging the common operational gaps faced in the integration of digital security technology.

Our solutions are designed to integrate multiple products and technologies to achieve your digital security goals.

Professional Services

Cogito Group consultants provide specialist advice to clients on digital security solutions. We focus on operational efficiency, risk mitigation, vulnerability analysis, regulatory compliance, audit and reporting for digital security systems.

Cogito Group's Professional Service offerings include:

- Design, build and sustainment of Public Key Infrastructure (PKI) & Identity Management (IdM) capabilities;
 - Assistance and advice with Public Key Enablement (PKE) such as securing and managing enterprise devices and capability as well as bring your own devices (BYOD);
 - Solution Accreditation and Compliance for digital security systems;
 - Deployment and use of Digital Certificates;
 - Deployment and use of Hard Token technologies such as Smart Cards; and
 - Security Policy and Security Quality Management.
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Supportability

Cogito Group can provide ongoing support, maintenance and implementation/upgrade services. Digital security solutions are not set and forget. Cogito Group has a strong positive reputation for providing practical, innovative and smart solutions to its customers.

We keep our clients aware of new technology to ensure their systems maintain peak performance and the optimum level of security. Organisations do not want a static solution, but rather one that evolves with needs and improves over time.

Experience

Cogito Group's reputational strength and delivery success comes from investing in its staff, through training and experience.

Cogito Group consultants have specialist knowledge in delivering:

- Synchronisation of disparate systems;
- Specification and protocol development for ICT solutions. Cogito have consultants that have worked on and chaired a Combined Communications Electronics Board (CCEB) working group. Within this multinational forum of Government entities our staff were instrumental in the development of the standards and implementations that allowed granular access control over information which could be determined through the processing of multiple attributes such as nationality;
- The most advanced boundary defence and inspection services available anywhere in the world today by providing this capability for use in high security environments; and
- Securing of on-premises and off-premises cloud based services such as the securing from theft or alteration of files, databases and virtual machines.

Application and Software Services

Identity and Access Management (IdM and IdAM)

Our IdM solutions provide strong authentication to ensure users accessing your network are who they claim to be through Identity and Access Management (IAM) applications such as network authentication, digital signatures and other services based on Public Key Infrastructure (PKI).

Identity Management (IdM) systems provide the basis for the collection, management and synchronisation of identity information and attributes between disparate systems.





These systems reduce the effort and cost of the management of data by managing the identity data throughout its lifecycle. Identity Management systems provide workflow for the automation of access to systems and services either by an approval process or based on identity attributes.

Cogito Group has staff that are trained and experienced in Oracle Identity Manager and ForgeRock OpenIDM.

PKI

A PKI is the basis for the providing secure and trusted credentials. These credentials are used to establish trust in electronic transactions that the parties or systems involved are who they claim to be.

Cogito Group currently provides support, maintenance and enhancements to the largest PKI installation within Australia.

Cogito can also provide software for existing solutions that allow PKI based credentials (Digital Certificates) to be managed more effectively in existing deployments. This allows easier management and avoids downtime associated with the expiry of these certificates in an operational environment.

Card/Credential Management System

Card/Credential Management Systems are used to manage the association between an identity and their issued credentials. They manage the lifecycle of trusted tokens such as smart cards and now provide capabilities for the management of virtual smart cards and credentials delivered to smartphones and other mobile devices.

Cogito Group currently offers three quite different CMS solutions meeting different needs and price points. The three products are MyID from Intercede, vSec CMS from Versatile and Certificate Management System from Certified Security Solutions.

Security and Data Protection

Cogito Group partners with and resells Gemalto/SafeNet security products that provide:

- key management and protection, and
- data encryption for:
 - databases;
 - files and file systems;
 - storage units;
 - Directories; and
 - applications.





These security products provide protection of data in transit and at rest and are ideal for implementation in physical, virtual or cloud environments.

Hardware Services

Cogito Group offer the best of breed identity management and digital security hardware and software products. We partner with leading international hardware providers to ensure we deliver product solutions that are tailored to the needs of our clients.

Our Hardware security products include Hardware Security Modules (HSMs), Tokens, Smart Cards, Readers, Secure USB Keys Secure SANs and Firewalls.

Our HSMs provide a high level of protection for transactions, identities, and applications by securing cryptographic keys and provisioning encryption, decryption, authentication, and digital signing services. Performance is enhanced through a larger transactional throughput.

Our smart card, smart card reader, USB and OTP tokens respond to the needs for strong authentication, data loss prevention, compliance to governmental security directives and the growing demand for qualified digital signature.

Our firewall products allow more traditional boundary protection to be achieved, while our secure storage options allow for a greater level of data assurance and protection wherever that equipment may be located.

Cloud Offering

Cogito Group provides services for the protection of cloud solutions (internal, external and hybrid). These include:

- Virtual server protection and encryption;
- File encryption;
- Database encryption;
- Secure Storage from the customer's site; and
- Secure Cryptographic Key Storage.

Identity as a Service (IDaaS)

Cogito Groups IDaaS service offers identity and credential management, backed by an accredited PKI.





Consultancy

Cogito Group provides consultancy services to develop policy and trusted frameworks. Creating a trusted framework for digital authentication is crucial in ensuring the integrity of online and mobile transactions including financial transactions.

The framework may include:

- Public Key Infrastructure (PKI) - to provide the credentials that will allow for confidentiality, non-repudiation, integrity and authentication uses;
- Identity and Access Management Services - the provision of a set of attributes providing proof of an identity so that decisions such as access control can be made based on the known and assured identity;
- Enrolment process and registration points – for the issuance of the credentials;
- Interfaces to backend systems – (with minimal changes to existing systems) that allows synchronisation and integration of the solution to the existing systems and of existing systems to each other;
- Where and how simplified sign on will be used; and
- Web based access to services.

Service Integration

Cogito Group specialise in system integration and can assist organisations in synchronising disparate systems to ensure positive service take-up.





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.



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