



# blucloud

*welcome to the cloud. you won't look back.*

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# DATAFLEX PRESENTS *blucloud*

## *What is blucloud?*

*BLUCLLOUD DELIVERS A COMPLETE SUITE OF SECURE AND RELIABLE ONLINE SERVICES VIA VIRTUALISED SERVERS, APPLICATIONS AND STORAGE.*

*CUSTOMERS UTILISING BLUCLLOUD SERVICES INCLUDE AUSTRALIAN GOVERNMENT AGENCIES, ASX50 COMPANIES AND SMES.*

*BLUCLLOUD IS PROTECTED BY DEFENCE SIGNALS DIRECTORATE (DSD) CERTIFIED GATEWAYS.*

## **DATAFLEX = EXPERIENCE + TECHNOLOGY + SERVICE**

Dataflex is an all-encompassing Information Technology (IT) service provider with a presence in the Australian market for over two decades.

We supply IT design, provision and support services, including helpdesks, networks, storage, voice communications, disaster recovery and backup arrangements, and cloud computing implementations.

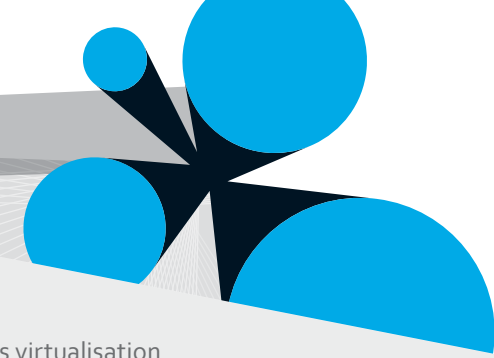
A customised approach is key to our success as one of Australia's leaders in supplying government IT services.

Our focus on versatility and adaptability, and our relationship with top-tier providers allows clients to access a range of trusted products via a single service entry point.

Our clients are supplied with integrated environments that address business challenges and allow them to achieve sustainable excellence in their IT strategies.

Dataflex is Bureau Veritas certified, our quality management systems are verified to the AS/NZS ISO 9001:2000 standard, and we've won many awards as a business

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## WHAT IS CLOUD COMPUTING?

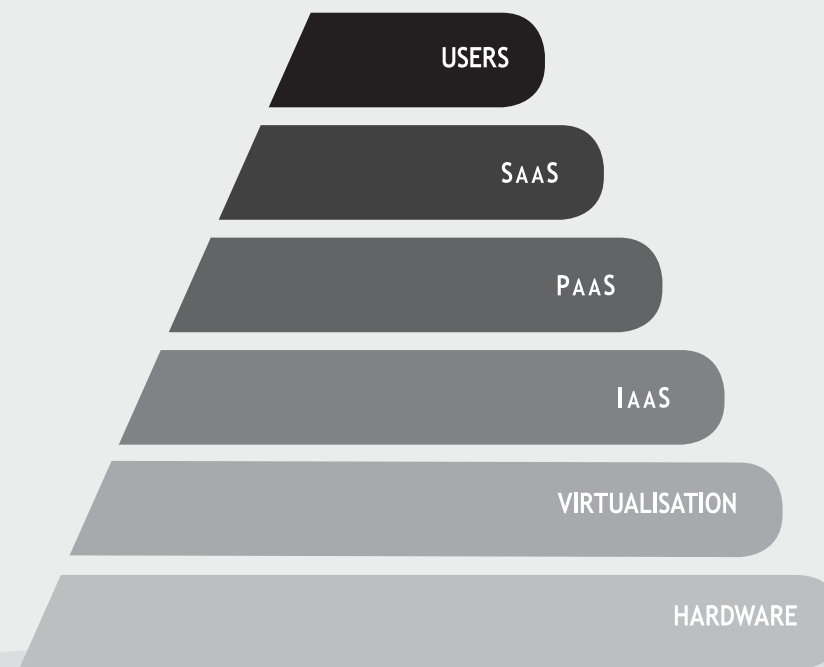
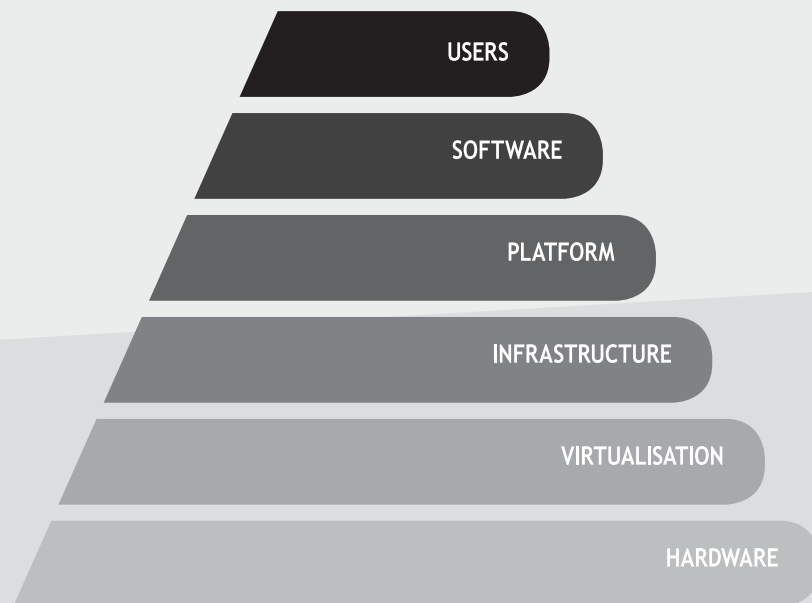
Cloud computing significantly reduces expenses related to technological currency, maintenance and training costs, and provides flexibility in the way organisations scale their requirements up or down in response to changing circumstances.

Cloud computing enables economies of scale related to hardware, software, management, power, facilities, backup and administration costs.

*Cloud computing involves the provision of hosted services over the internet: it provides the entire IT value chain, delivered as a service.*

The diagram below depicts the hierarchy of IT needs relevant to government and other enterprises.

All these needs can be deployed through cloud computing's virtualisation techniques and technologies: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS).



## THE BLUCLLOUD ADVANTAGE

*blucloud provides a service aimed at exceeding compliance with top-level Australian Government IT requirements.*

blucloud provides solutions for:

- disaster recovery
- business continuity
- hosted applications
- offsite storage, archiving and backup.

Key features of blucloud are:

- 24/7 support
- 99.9% uptime and provision for 100% uptime
- 100% Australian ownership
- Secure internet gateways
- Managed firewall solutions
- Managed storage solutions
- A national operations centre in Canberra
- Load balancing of high-availability hosting

- No-downtime server hardware maintenance
- Dedicated server environments and daily server backups
- The ability to rapidly upgrade hosting environment hardware resources
- Redundant active-active network architecture, deployed in Canberra and Sydney.

blucloud is 100% Internet Protocol version 6 (IPv6) enabled—in line with the Australian Government's strategy for the implementation of IPv6—providing clients with benefits including increased end-to-end systems security and automated address allocation for internet connected devices.

## WHAT SETS BLUCLLOUD APART?

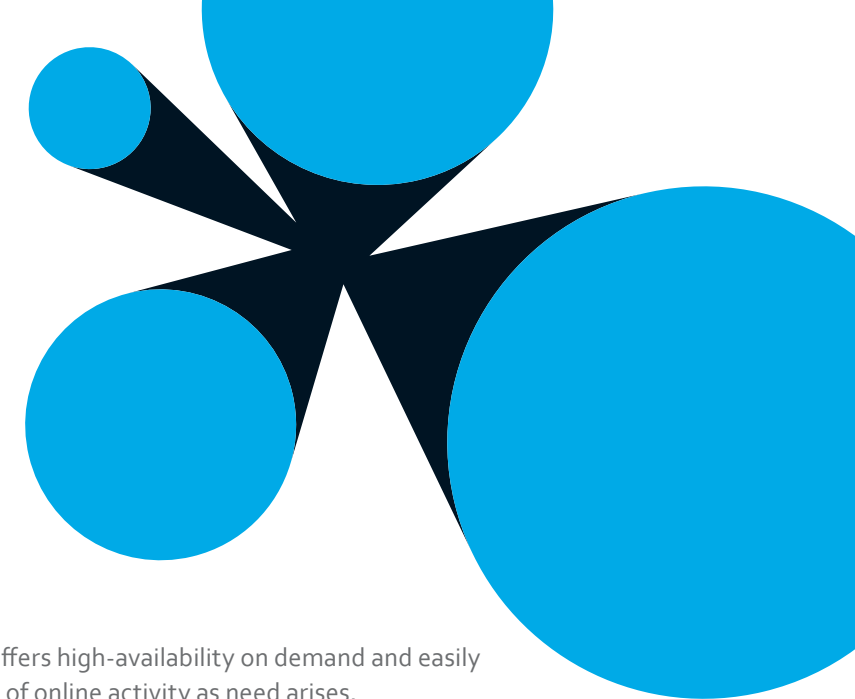
blucloud is the only provider of dual-site infrastructure running in active-active configuration, providing full network redundancy between Canberra and Sydney.

blucloud provides uninterrupted service, enabling fully realisable risk management and disaster planning in line with the recommendations of the Australian Government Information Management Office and the DSD's Australian Government Information Security Manual.

With data centres more than 200 kilometres apart, blucloud's unique service consists of two sets of infrastructure simultaneously running identical software, so data traffic intended for any failed network component is load-balanced onto other components.

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## BUSINESS BENEFITS OF BLUCLLOUD

*blucloud is an economical, secure and highly capable long-term solution*

When you enter into a blucloud relationship with Dataflex we will supply and deliver on a Service Level Agreement which will provide you with a dedicated account manager and solution architect/engineer—we are always looking for long-term client relationships, so we like to look after our clients.

With blucloud problems associated with hardware depreciation, renewal, maintenance, support and resources are minimised. Benefits offered through blucloud include:

- **Agility**—blucloud delivers rapid and inexpensive responses to evolving requirements for technological infrastructure resources.
- **Flexibility**—all traditional applications can be delivered via blucloud.
- **Focus**—blucloud's virtualisation technologies and services enable organisations to concentrate on core business.

- **Leverage**—blucloud offers high-availability on demand and easily accommodates bursts of online activity as need arises.
- **Reliability**—blucloud offers geographical redundancy across storage, computing, network and location, with active monitoring 24/7.
- **Security**—Managed firewall services, including DSD certified gateways, are complemented by quality anti-virus, anti-spam and anti-malware solutions.
- **Value**—with blucloud costs are significantly reduced, without affecting the ability to maintain technological currency, and capital expenditure is converted into operational expenditure.
- **Managed Service**—monitoring, maintenance and support is backed by dedicated technical account managers and highly trained and experienced engineers.
- **Technical Advantage**—technological currency is assured, as we continually reinvest in infrastructure.

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- Network
- Load Balancing
- Security
- Application
- Operating System
- Virtualisation
- Compute
- Storage

### TRANSACTION HOUSE CANBERRA

- Internode
- Vocus
- Icon
- ACTIX
- PIPE Canberra
- TransACT

Border Router    Border Router

Load Balancing    Load Balancing

SIG    IPS/IDS    FW    AS/AV

ORACLE    Microsoft Exchange    Microsoft Office SharePoint Server 2007

SQL Server 2008    Microsoft Dynamics    MySQL

Windows Server 2008    redhat    solaris

Windows 7    CentOS    debian

vmware    CITRIX    Parallels

Tier 1    Tier 2    Tier 3

Tier 1    Tier 2    Tier 3



### GLOBAL SWITCH SYDNEY

- Internode
- Vocus
- PIPE Sydney

Border Router    Border Router

Load Balancing    Load Balancing

SIG    IPS/IDS    FW    AS/AV

ORACLE    Microsoft Exchange    Microsoft Office SharePoint Server 2007

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## CAPABILITIES OF BLUCLLOUD

The chart opposite outlines the compute, storage and network capabilities across our dual sites in Canberra and Sydney.

1. We are able to synchronise Tier 1, Tier 2 and Tier 3 data storage between Canberra and Sydney, to meet infinitely scalable volumes and mission-critical requirements.
2. At the compute level: Tier 3 represents low-end systems; Tier 1 represents high-end enterprise grade computing platforms, for highly transactional databases.
3. Across the storage and compute platforms blucloud supports virtualisation technologies such as VMware, Citrix and Parallels.
4. Dataflex is able to install and support all operating systems with blucloud.
5. As blucloud supports all operating systems it supports all applications.
6. Our layered and tailored security capability includes a Secure Internet Gateway, intrusion prevention and intrusion detection systems, and managed firewall configurations.
7. blucloud is able to load-balance any application within its Canberra or Sydney sites, or across both, providing maximum availability, scalability and performance.
8. Our sites are connected via dedicated fibre, and each site is connected to the internet via multiple Tier 1 Internet Service Providers.
9. blucloud is directly connected to the Intra Government Communications Network, which provides dedicated point-to-point links for Australian Government agencies.

## WHY PARTNER WITH DATAFLEX?

*We are committed to the development and prosperity of our customers ... and we have the infrastructure and expertise to back it up*

Our capability to investigate and advise on unique circumstances is one of our most valued client services.

Supplier relationships are the key to solid future-proofed solutions for our clients, so we continually develop our portfolio of business partners to ensure we seek, assess, and have early access to emerging technologies, locally and globally.

As new technologies and providers emerge we partner closely with vendors so our team of technicians and engineers attains appropriate certifications and qualifications.

At the Australian Government level Dataflex has vast experience in the logistics of large-scale technology implementations; and we are now refocussing our network of experts on the paradigm shift to cloud computing, through blucloud.

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