

G-CLOUD: THE FUTURE FOR GOVERNMENT APPLICATIONS

A CSC POINT OF VIEW

CSC



G-CLOUD: GOVERNMENT AND CLOUD COMPUTING

INTRODUCING THE G-CLOUD

“DOING MORE WITH LESS TO DELIVER RAPID RESULTS” IS THE PREMISE THAT MOST AGENCIES WILL HAVE TO EMBRACE OVER THE NEXT SEVERAL YEARS.

Government IT has to be transformed to become more agile and responsive to the needs of a modern economy.

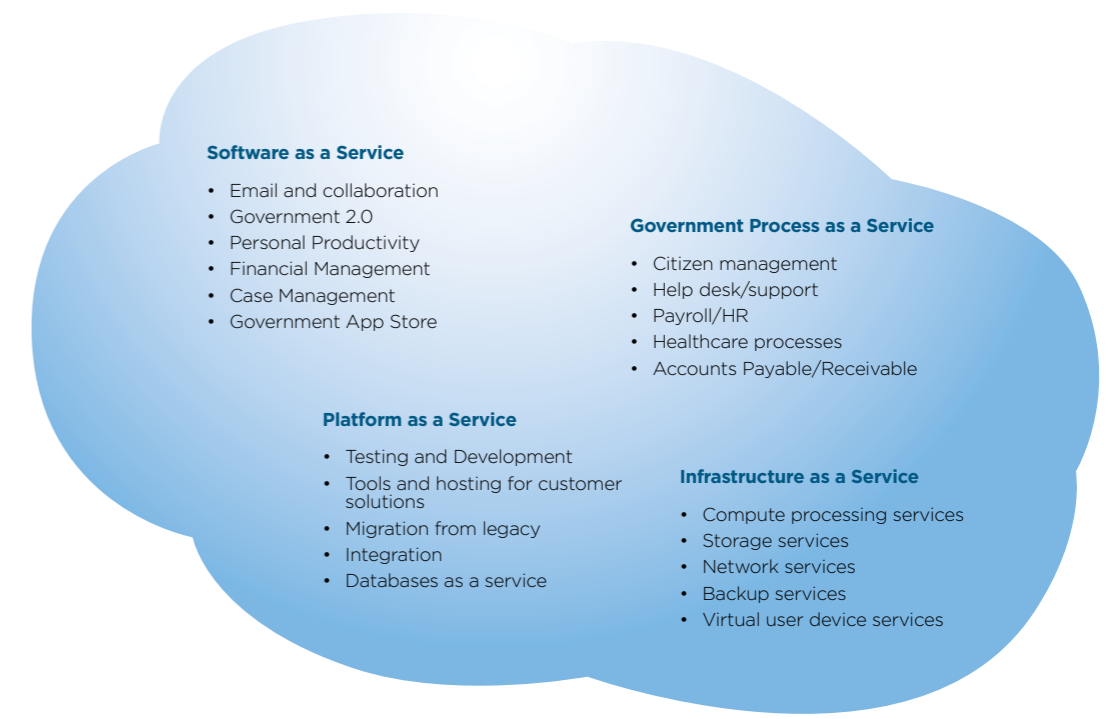
To achieve the significant transformation financial savings goals set in place, government agencies will seek alternative IT delivery models that enable them to change how they pay for the service - to move away from *managing* IT operations, to *consuming* IT services.

While “clouds” that deliver IT services using web protocols through the Internet are emerging as viable alternative low-cost delivery models for commercial organisations, there is also an opportunity to create a secure ‘government cloud’ environment, to allow government organisations to take advantage of the same benefits.

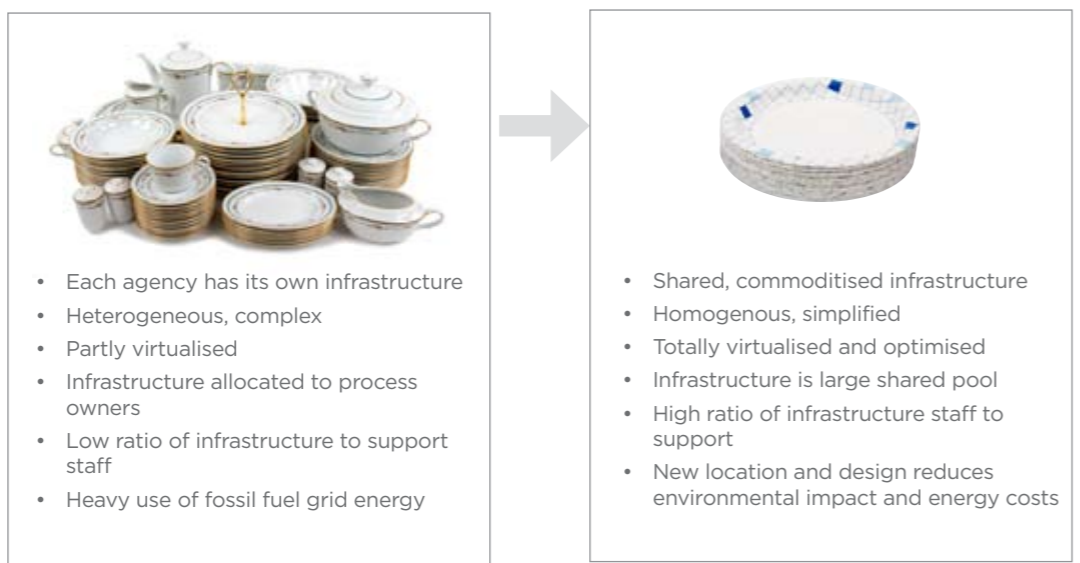
CURRENT IT ENVIRONMENTS ARE CAUSING FRUSTRATION

With current IT environments the Pareto principle is in action- with 80% of resource and effort allocated to ongoing maintenance and operations; upfront IT capital outlays for high risk projects with long-term paybacks; huge balance sheets of IT assets that have to be upgraded on a continual basis; and rigid IT infrastructure and legacy design constraints, leave agency leaders frustrated with their inability to drive new service innovations. Often this can be compounded by the way in which these services must be procured, driving complex price negotiations that require usage forecasts years in advance, which of course leads to bloatware (many features of software purchased but not used), shelfware (excess licenses acquired); and a disconnect between ‘use of infrastructure’ and ‘spending on infrastructure’- with excess capacity for normal operations but resource constraints during busy periods.

EXAMPLE OF G-CLOUD SERVICES



COMPARING THE TRADITIONAL AND ‘CLOUD’ DELIVERY MODELS

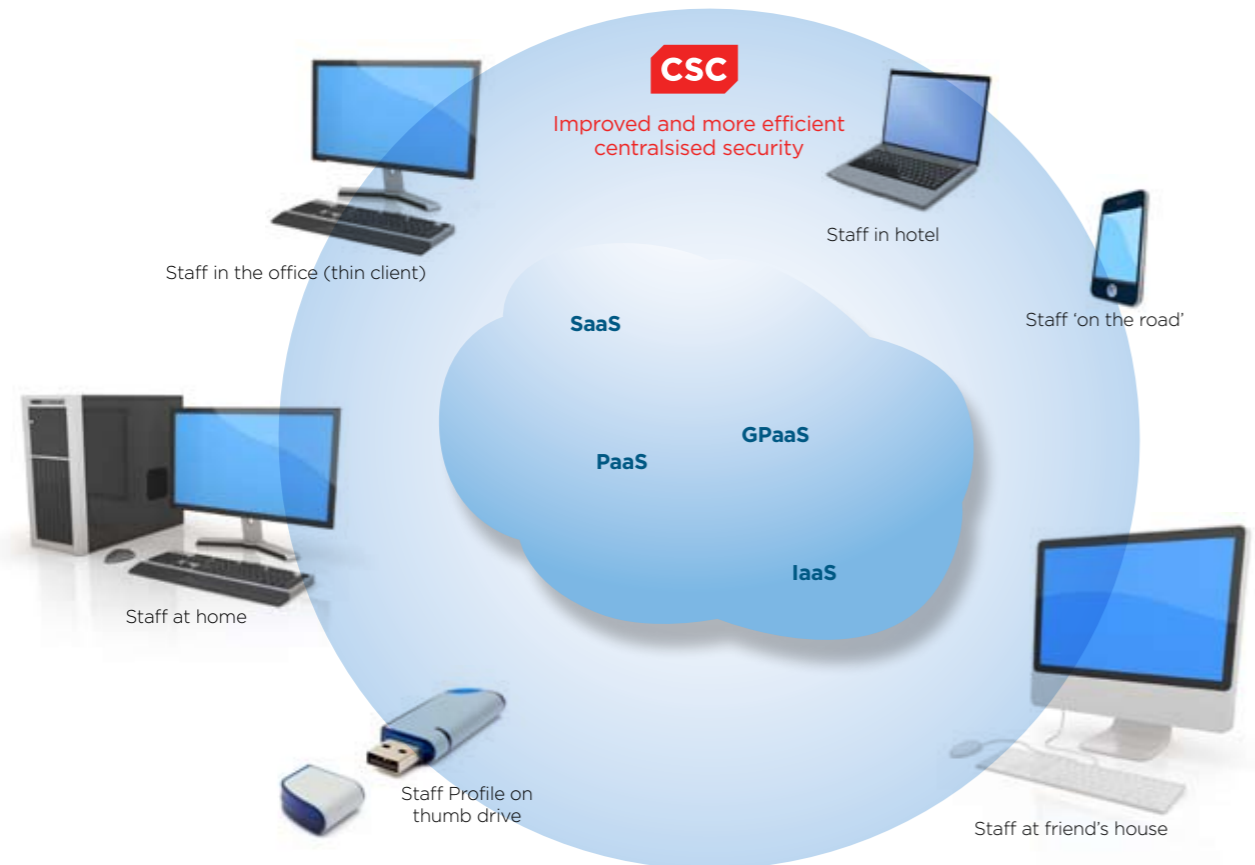


- Services that were previously brought, built, leased or licensed as products (e.g. software, hardware) are now available on demand, which supports rapid provisioning, or dynamic entry into and exit from services.
 - Services accessible anywhere, anytime through any smart device using standard Web APIs, Browsers and Internet standard protocols.
 - Services scale up and down to provide elasticity (the illusion of infinite resources).
 - Services paid for through metered consumption- only pay for what you use (no more bloatware or shelfware). Operating expenses are matched to volumes of activity, delivering improved cash flow and reduced financial risk.
 - Management of the resources that deliver the services (upgrades, backups, maintenance, etc.) are all handled by the provider with minimal disruption to the client
- STAKEHOLDER BENEFITS OF THE G-CLOUD**
- The economies of scale and other efficiencies will deliver services at reduced cost and with less environmental impact
 - Allows the IT department to free up resources for other valuable contributions and an ability to focus on driving new service innovations
 - Allows Government to become more focused on core issues
 - Allows both staff and citizens access anywhere, anytime through any smart device.

THE 'TRUSTED CLOUD'

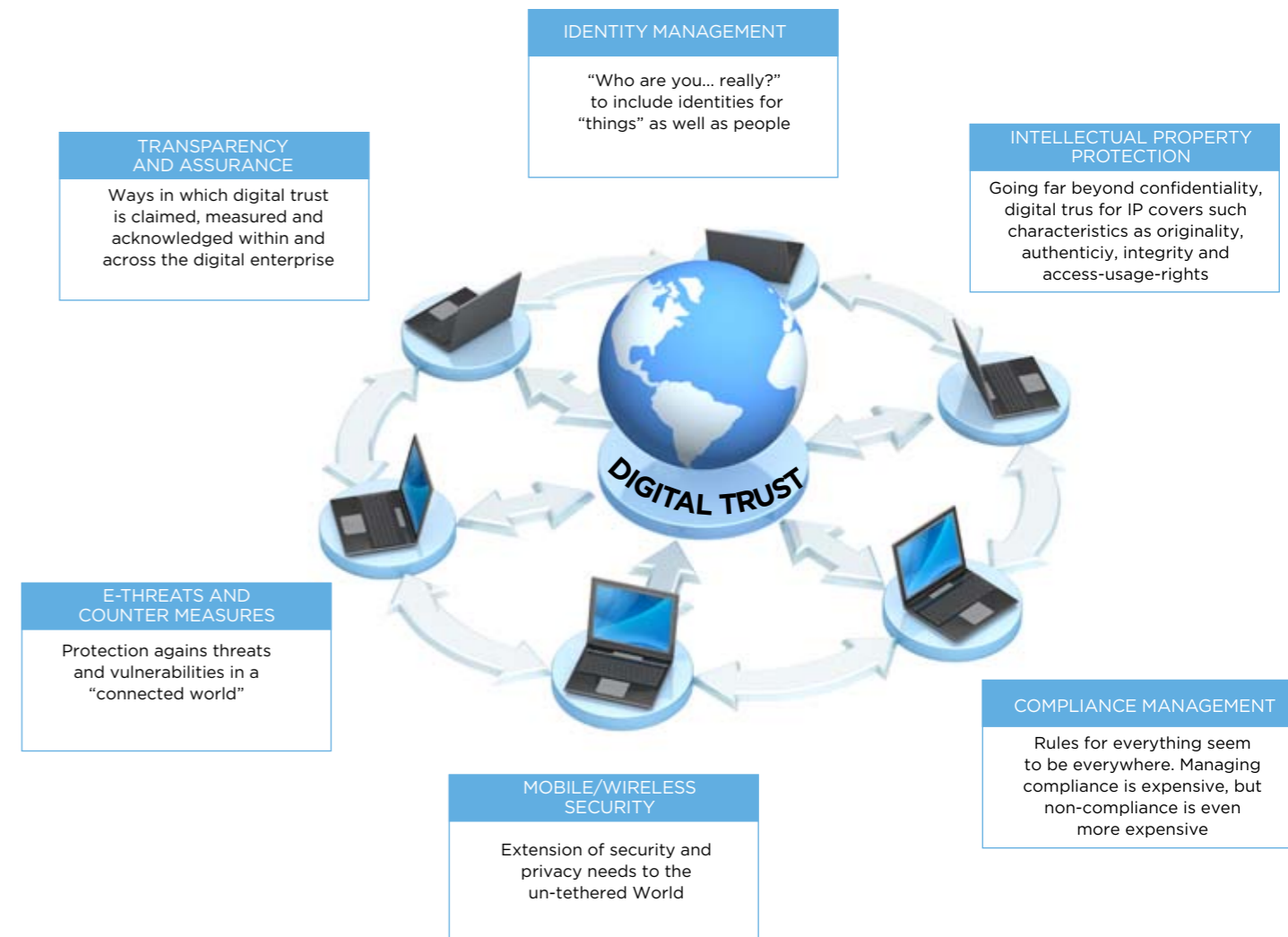
Government organisations and agencies hold themselves to a higher account in terms of their responsibility to manage:

- Security
- Reliability
- Risks
- Performance
- Liability
- Reputation
- Quality of service
- Service levels
- Privacy
- Complexity
- Procurement



Trust will allow the development of a Cloud that harmonises the security for transactions and data with comprehensive transparency of control and result such that it conveys evidence-based confidence that systems within its environment operate as advertised, and that no unadvertised functions are occurring.

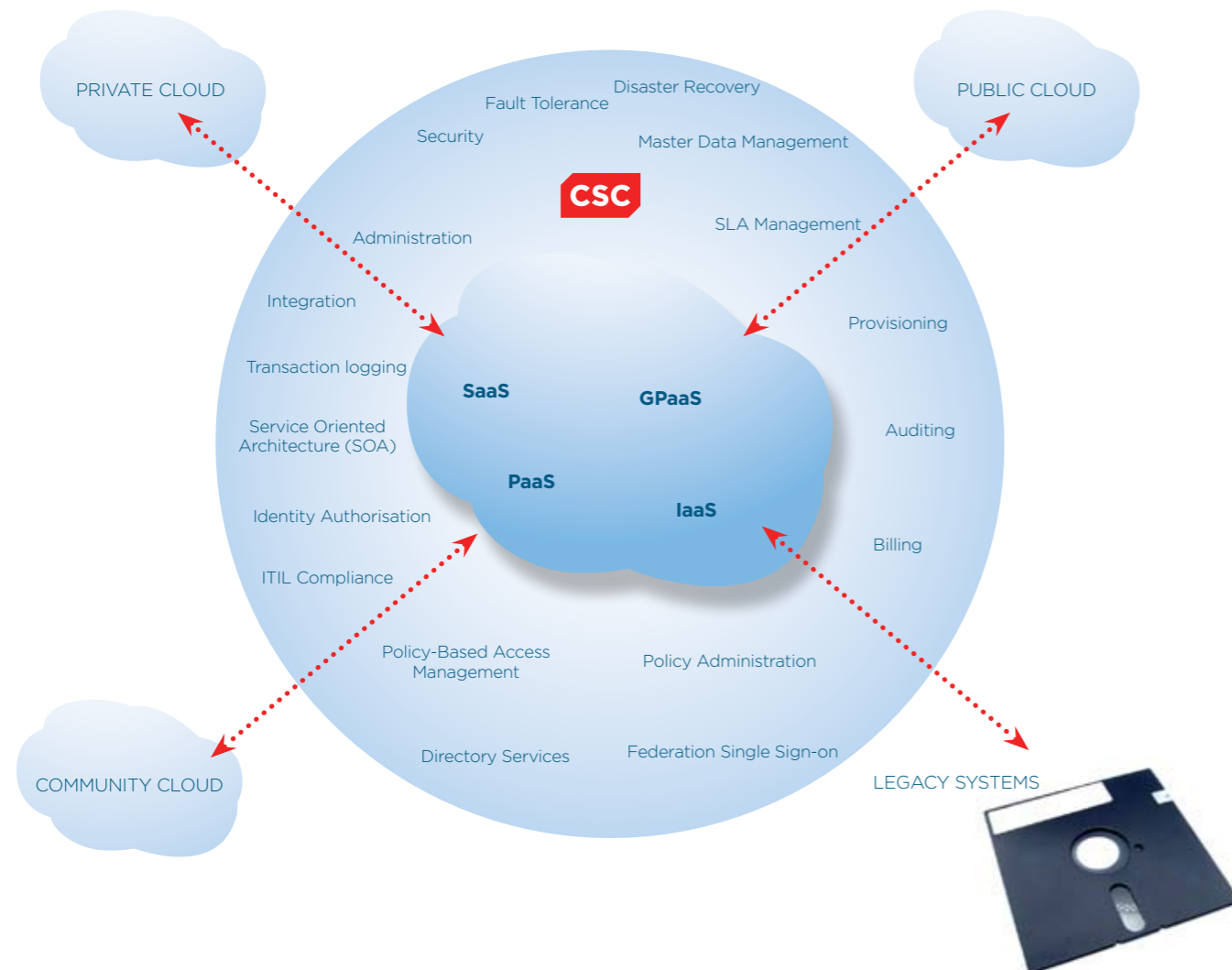
To achieve this outcome, CSC has developed and is implementing a roadmap of orchestration services to allow organisations to flex across cloud and non-cloud environments seamlessly.





ORCHESTRATION SERVICES

Trust will allow the development of a Cloud that harmonises the security for transactions and data with comprehensive transparency of control and result such that it conveys evidence-based confidence that systems within its environment operate as advertised, and that no unadvertised functions are occurring. To achieve this outcome, CSC has developed and is implementing a roadmap of orchestration services to allow organisations to flex across cloud and non-cloud environments seamlessly.



TURNING VISION INTO ACTION

The political, economic, and demographic changes in Australia are apparent. IT costs have to be cut back, while IT has to be more responsive to the demands of a government actively engaging with citizens across multiple points of access.

“Clouds” that deliver IT services using web protocols through secure networks are emerging as viable alternative delivery models, and there is an opportunity to develop a shared government cloud, that is secure and reliable, allowing government to accelerate the delivery of enhanced citizen services and experiences at lower cost, improved agility and a reduced impact on the environment.

Opportunities exist today to create IT industry, Government and Financial Sector partnership(s) based on defined use of IT services through a Government Cloud to build, operate, manage and deliver the necessary services using the well-established PPP model already common for other forms of public infrastructure.

Achieving the Australian Government Cloud requires a shared vision and willingness to invest with partners to build the dedicated infrastructure. As an established key provider of critical IT infrastructure to all layers of Government, CSC is ready, willing and able to play a leading role as the G-Cloud takes shape in Australia.

To find out more about CSC's Trusted Cloud, visit www.csc.com/cloud



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About CSC

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