

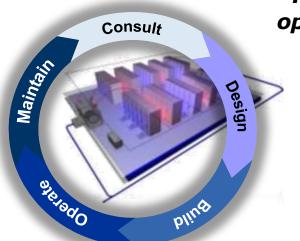


Atos Hong Kong

Managed Services

Managed Services Offering

"Transforming IT infrastructure and business operations"



Technology depth in providing end-to-end IT services for large-scaled infrastructures

Manage total data centre outsourcing for global & regional customers



Global footprint with strong APAC regional presence in Japan, Australia, China, Hong Kong, etc.

Managed IT Services		
Cloud Infrastructure	Mainframe & Special	Server Management
Services	Platforms	Services
Managed Application	Network and	Site Relocation and
Storage	Security	Consolidation

Managed Services
GovCloud Portfolio

Atos GovCloud Solution

Project Overview

Atos offers a **private cloud** solution and a set of supporting services in fulfilling the Hong Kong Government Cloud Platform tender, which will be hosting e-government services for shared use by bureaus and departments of the Special Administrative Region.

The Result

The Office of the Government Chief Information Officer awarded a contract on the implementation and operation of the Government Cloud Platform (GovCloud) to Atos Information Technology HK Limited for a term of **seven years**.



Contract awarded on Mar 27 2013





Hong Kong Government Cloud (GovCloud)

Objective

 GovCloud – <u>Government adoption</u> of a private cloud to host common e-government services for shared use by bureaus and departments







Benefits

- Cost Saving through economy of scale and resource sharing
- <u>Time saving</u> through streamlined procurement and system implementation, and on-demand service provision; and
- <u>Utility cost structure</u> and predictable cost









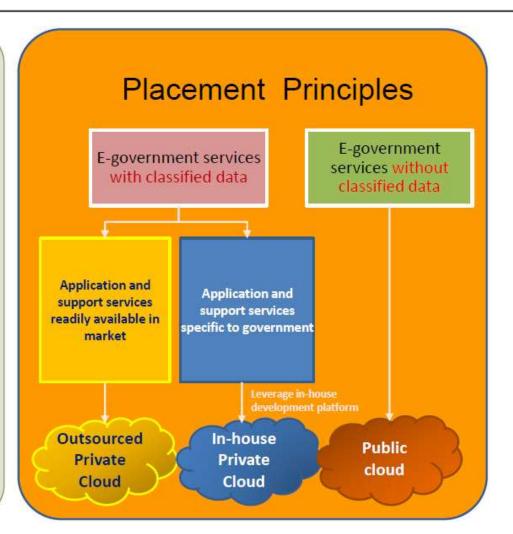






Placement of e-Government Services







GovCloud Service At-a-glance

▶ An Outsourced Private Cloud

- IaaS (server, storage, network) in Contractor's data centers with infrastructure dedicated to serving the Hong Kong Government
- To be implemented and operated through total outsourcing by Contractor
- Stringent outsourcing governance to ensure security and service quality (S17, G3, Level II Security, ISO 27001)
- Scalability in computing resources
- Data Centers, system, operation, processing / storage of government data in Hong Kong to meet operation needs

► Support and host common e-government services

Common e-government services that handle both classified and unclassified information up to "CONFIDENTIAL"



Key Values to Government B/D

Fully Customized Private Community Cloud

Atos





HKSAR OGCIO Contract Management Office





Traditional Data Centre Services

- Convenience in the subscription and customization through Self-Service Portal
- > **Security** Management
 - Firewall segregation
 - Highly secured data encryption
- > 7 x 24 **Operations** Management
- Service Desk

SECURE SIMPLE SPEED

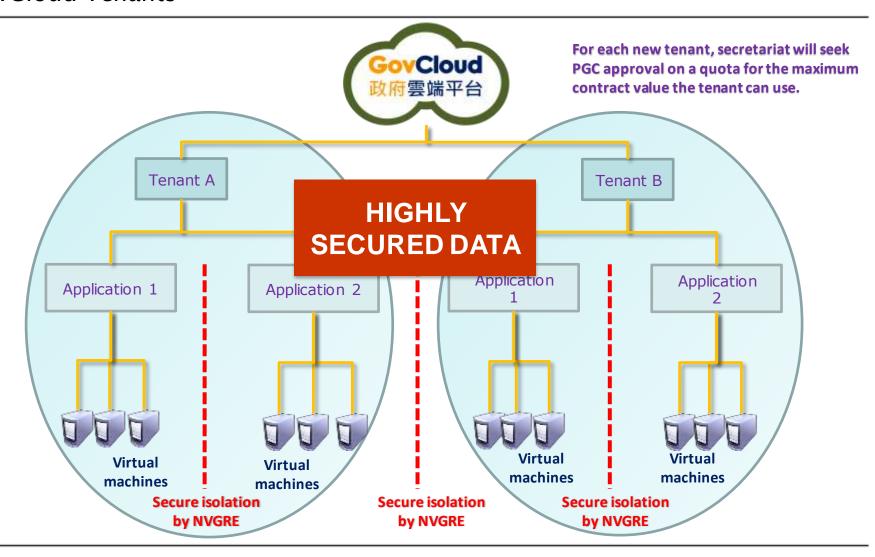
BALANCED PERFORMANCE



Managed Services GovCloud Portfolio

Security Management

GovCloud Tenants



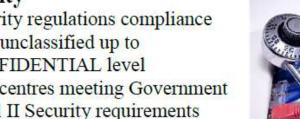
GovCloud Service Catalog

GovCloud offers IaaS for hosting common e-government services. All services are subscribed in an on-demand basis.



On-demand self-service

- Computing resources (server (i.e. x86 virtual machine), storage and network)
- Self-service portal available
- On-demand computing resources acquisition
- Self-service virtual machine management





- Flexible scaling up and down
- Fast provisioning of virtual machines and storage resources (as fast as 24 hours)



- Security regulations compliance from unclassified up to CONFIDENTIAL level
- Data centres meeting Government Level II Security requirements
- Conformance to Government policies and guidelines (including S17 and G3)
- · Data centre operations accredited with ISO/IEC 27001
- Physically segregated network zones
- · Three layers of firewalls
- IDS and IPS
- Data-at-rest encryption
- Network encryption for traffic between data centres
- Anti-virus at hypervisor level
- Multi-tenancy isolation





GovCloud Service Catalog

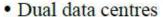


Operation and Supports

- 7x24 operation
- All data and operations within territories of Hong Kong
- Data centre operations accredited with ISO/IEC 20000
- ITIL-based IT service management
- Operating system patch management
- Monitoring and alerts for computing resources and applications
- Independent virtual network environment for each client

Availability and Reliability

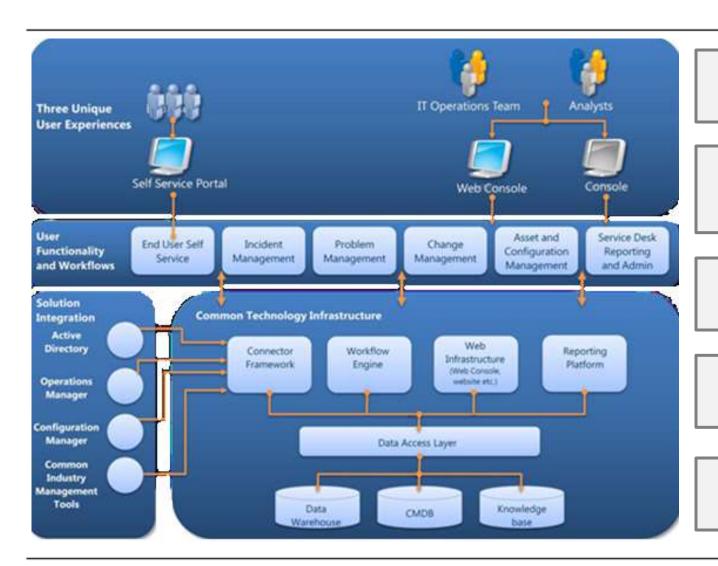
 Cloud infrastructure and computing resources at 99.950% availability



- Dual carriers and dual ISPs
- Recovery Point Objective (RPO) at 30 min (for both cloud infrastructure and hosted applications)
- Data protection against double disk failures
- No change of IP address in disaster recovery



Components and Operations



Service Team

7x24 3-shift Operation Management

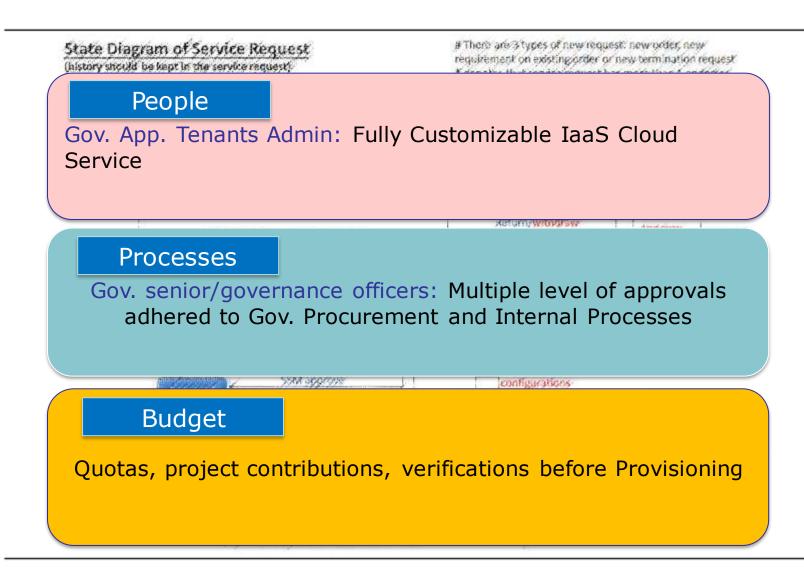
Service Desk

Security Management

Technical Team



Service Acquisition Workflow



Q&A

Terence Yeung General Manager, Managed Services

terence.yeung@atos.net

Tel: 852-22806768



Thank-you!

