

ITAPA Conference 2012

UK Government Cloud

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G-Cloud



UK Government ICT Strategy - Overview

Part 1 – Reducing Waste and project failure, & stimulating economic growth



Asset Register & Reuse



Level Playing Field for Open Source



Procurement Reform



Agile Development



Presumption against £100m+ projects



Level Playing Field for SMEs



Government Apps Store

Part 2 – Creating a common ICT infrastructure



Datacentre Consolidation



Public Services Network



Desktop/Device Strategy



G.Cloud Strategy



Open Standards



Gov't Reference Architecture



Green Gov't Strategy

Part 3 – Using ICT to enable and deliver change



Digital by Default



Single Government Domain



"Assisted Digital" providers



Identity Assurance



Open Data & APIs



Technology for two-way dialogue

Part 4 – Strengthening Governance



Ministerial Oversight



ERG & Government CIO Function

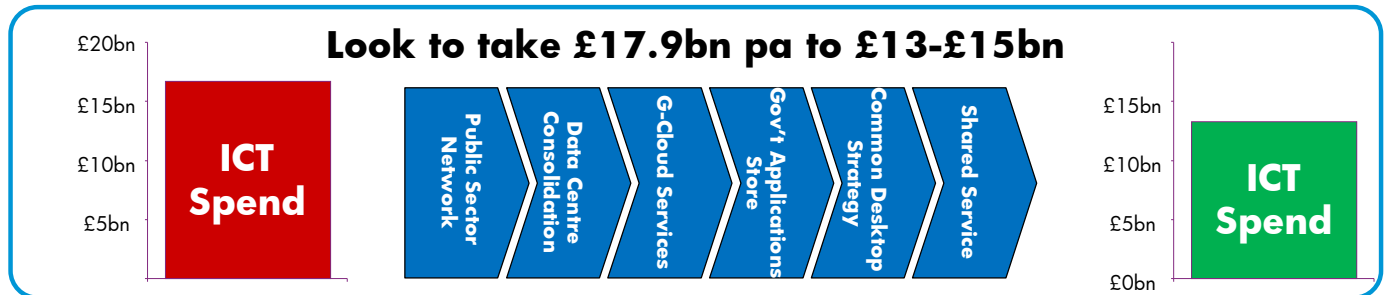


CIO Delivery Board



Supplier Engagement & Crown Reps

Operational Efficiency Review & New Administration DEMAND considerable cuts In all Public Sector spend including IT

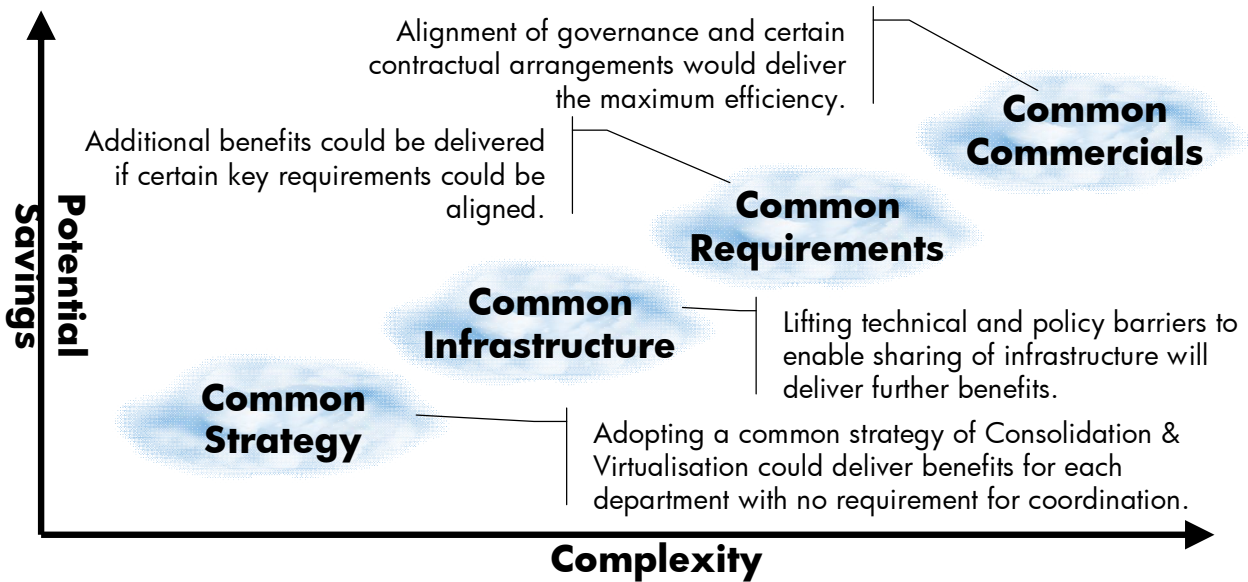


UK Government ICT Strategy:-

- **The Public Sector Network:** A single holistic Telco infra. £500m savings pa
- **The Government Cloud (G-Cloud)** key enabler of the £3.2bn savings (20% Cut)
- **Data Centres Consolidation** £300m savings per annum by 2020
- **Government Applications Store (G-AS)** savings of over £500m pa by 2020.
- **Shared Services** £4bn savings as outlined in the Operational Efficiency Program
- **Common Desktop Services** saving of £400 million

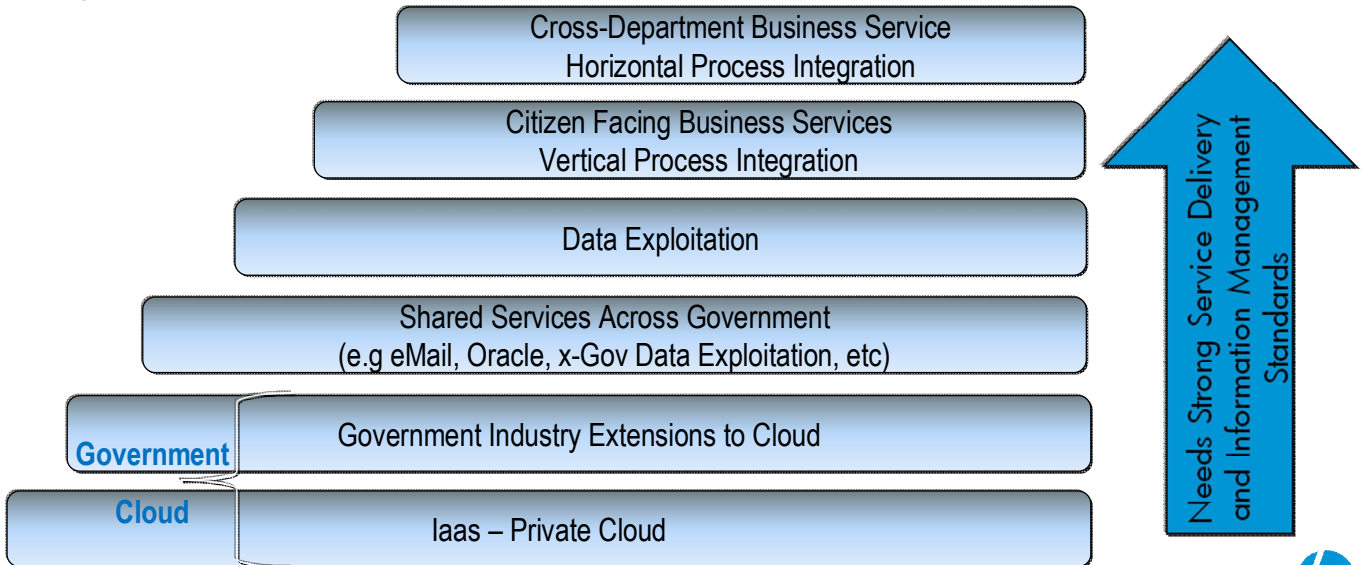
Change in Administration likely to accelerate Cost Savings initiatives, and open up market to new entrants

A coordinated approach to DCC/Cloud will deliver greater efficiency than a “by-department” model...



An Evolutionary Model based on Five stages

The path to mature Government Cloud



G-Cloud, G-Host, PSN

The maturing G-Cloud programme

G-Cloud

- Iterative governance and authority
- Iterative policy and controls
- Standards – technical and commercial
- Commodity catalogue of commodity services:
- Commercial vehicles for purchasing of commodity services
- A commodity 'marketplace' aligning govt customers with commodity services
- Based on user need

G-Host

G-Host will enable government to:

- Use a range of suppliers for hosting
 - Use different contract terms to allow shorter contracts where appropriate and
 - Switch suppliers to ensure best value for money
- G-Host procurement framework
- More traditional OJEU procurement process

PSN

- Assured Government Network
 - Safely Share services
 - New technical and security standards to remove barriers to sharing
- Two PSN frameworks:
- Purchasing Infrastructure
 - Purchasing Telecoms Services



Think G-Cloud 2012

“...room for improvement, but doing pretty good”

- **Cloud store sales hit £2m,**
- **74% from SME's.**
- **Cloud Store 1**
 - 250 suppliers
 - 1700 services.
- **Cloud Store 2**
 - 500 suppliers.
 - 3000 services.
- **Vendor numbers have doubled in the last 12 months.**
- **Cloud store at forefront of procurement.**
- **G-Cloud sales building momentum.**



CloudStore

 HM Government | CloudStore Beta

- **Accreditation process is a major hindrance.**
- **UK Government expects accreditation to accelerate as it improves its process.**
- **Still some roadblocks to adoption, increase in vendors has not been matched with same increase in sales.**



HP Delivering G-Cloud

Helping Governments Globally

UK

DII / Legacy Defence
Accounts

DWP

MoJ

**UKPS –ECS Virtual Private
Cloud**

**G-Cloud Cloud Store –
Services in Cloud Store 1
and 2**

US

US Army private Cloud 1 /
2

**USPS – ECS Virtual
Private Cloud**

Australia, Singapore.....



HP Bristol Labs

G-Cloud Demonstrator



HP Cloud Demonstrator

Enterprise grade cloud

Principles and themes

- Separation of concerns built into the architecture and infrastructure
 - Disaggregating hypervisors and admin roles
 - Secure sharing of virtual network and storage
- Customer can state and rely on policies over environments they do not own or control
 - Model based orchestration
 - Trusted infrastructure

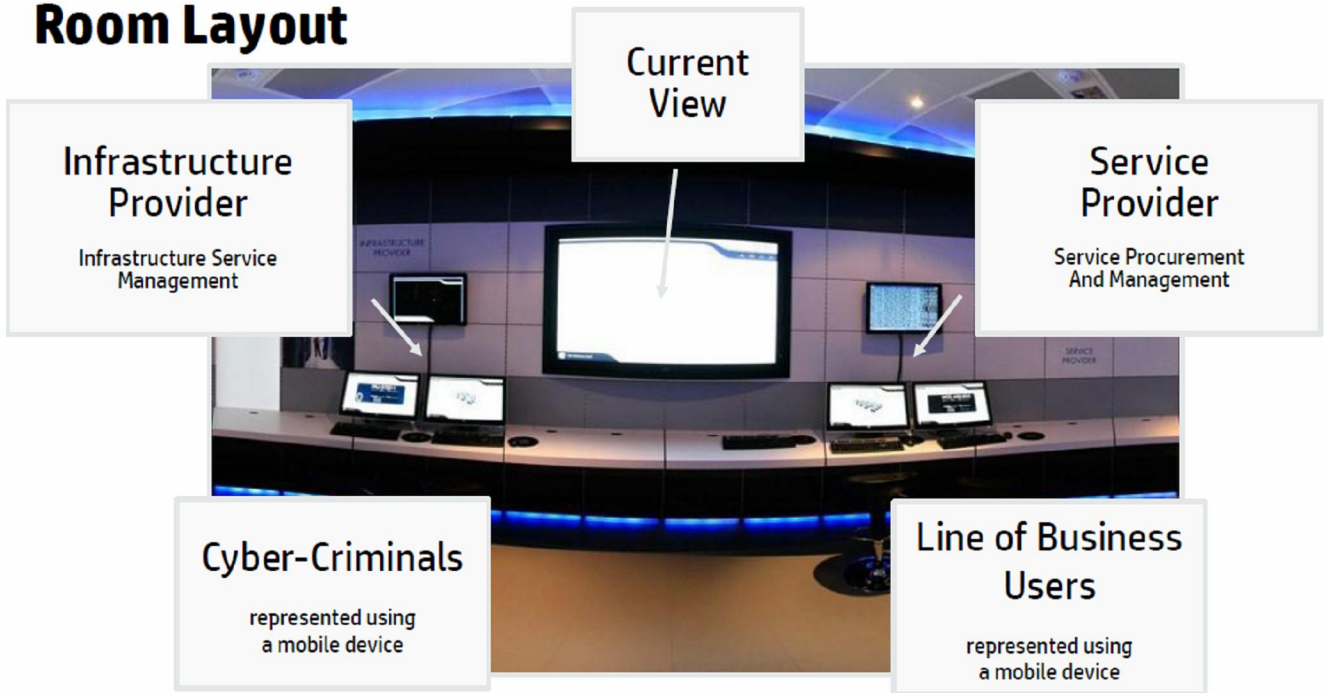


Introducing HP's C-Class demonstration

HP Laboratory, Austin



Room Layout

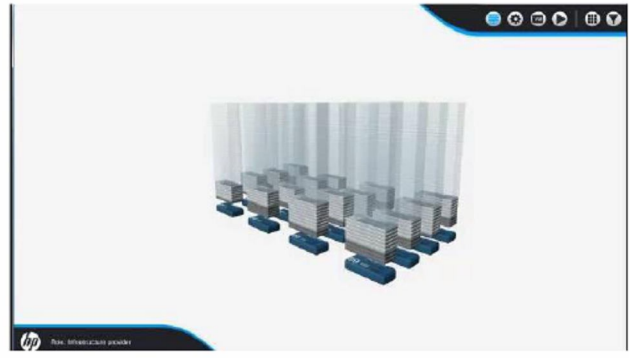


Separation of Concerns

Virtualized service view



Physical infrastructure view



HP Bristol Labs

Driving the G-Cloud conversation



Thank you.



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