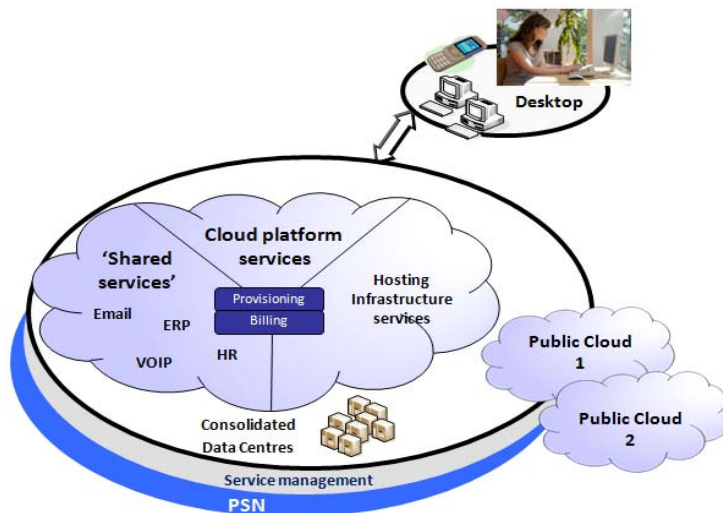**Cabinet**Office

G-Cloud Programme
Selection of slides previously presented to Intellect

11 August 2010

Making government work better

The G-Cloud vision

"*The G-Cloud brand provides confidence in services you can trust – reliability, security, value for money, contractual probity, adherence to standards and enables Government ICT Strategy.*"

The G-Cloud – An explanation

- The Public Sector brand for trusted cloud computing
- Enables cost savings through
  - Consolidating buying power
  - Reducing design, procurement and assurance overheads
  - Improved operational efficiency through standardisation and automation
  - Flexibility to scale up and down
  - Sharing infrastructure across departments, enabling high load levels, avoiding purchasing equipment for temporary requirements.
- Services categories will include
  - Shared Services/Business services
  - Utility applications
  - Common public sector applications
  - Development platform for custom applications
 - Infrastructure and Service Management
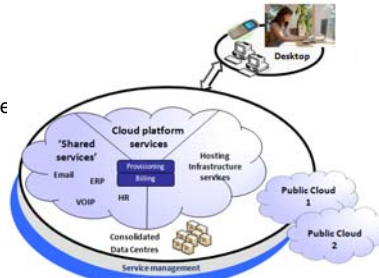
3

Data Centre Consolidation – Context and Approach

Context

- Today: Hundreds of public sector data centres running to different standards:- some at capacity limits, others with unused space
- Goals: Sustainability, efficiency, share-ability, consistency, business continuity
- End point: optimum number of highly virtualised, shared data centres including secure List X facilities

Shared Data Centres with more effective capacity utilisation
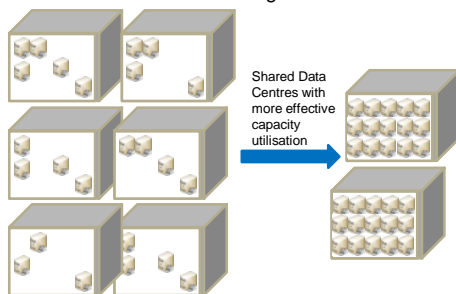
Approach

- The approach to Data Centre Consolidation will vary depending on the category of the Data Centre
- Common Data Centre 'rack as a service' metric to be established to enable benchmarking
- Three Data Centre transformation projects:
  - Public sector owned Data Centre consolidation
  - Supplier owned/operated Data Centre consolidation
  - Procurement of new suppliers for Infrastructure as a Service, and 'Rack as a Service'

"*Delivering Public Sector ICT services from the optimum number of high performing, energy-efficient, resilient, cost-effective and standards based data centres*"
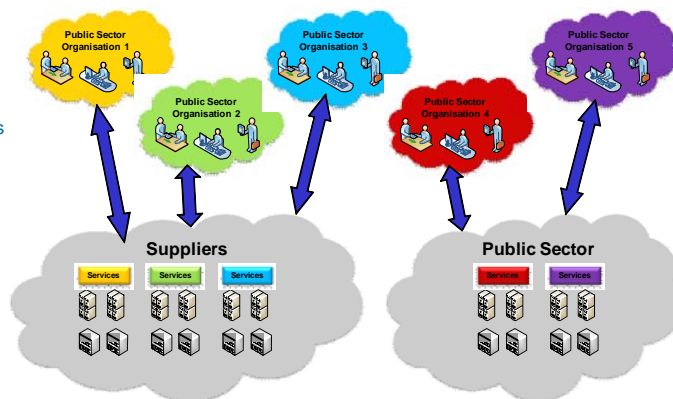
4

Data Centre Consolidation:
Delivering greener, more efficient Data Centre services (1)

Current State

- 200+ DCs
- High cost
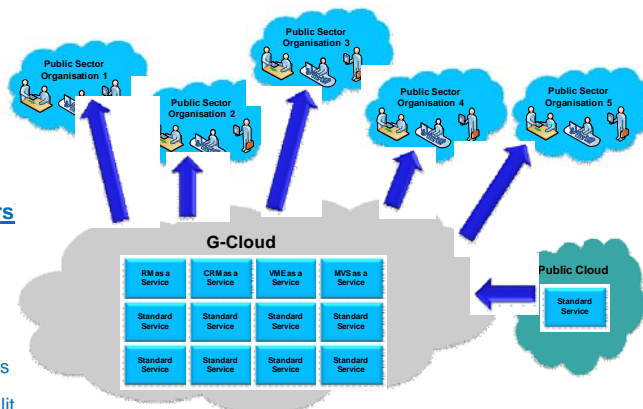- Duplication
- Lack of standards
- Inefficiency

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Data Centre Consolidation:
Delivering greener, more efficient Data Centre services (2)

New World (4+ years

- Cost effective
- Energy efficient
- G-Cloud in operation
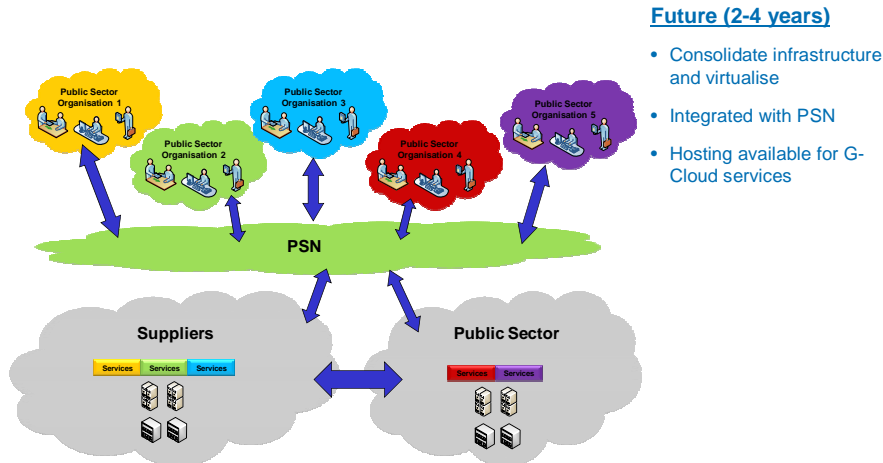- Standardised Services
- Improved service qualit and availability

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http://gdigital.direct.gov.uk

Data Centre Consolidation:
Delivering greener, more efficient Data Centre services (3)

Future (2-4 years)

- Consolidate infrastructure and virtualise
- Integrated with PSN
- Hosting available for G-Cloud services

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Government Applications Store Principles

- "Find it – build it – run it – share it", the "one stop shop" for Public Sector business and ICT services
- Based on a central catalogue of pre-procured and G-Cloud certified services and applications. Business services, Development platform and Infrastructure.
- Presented in the context of "your organisation", "your sector"
- Services instantiated in your data context
- Lowest price for the Public Sector, all benefit from the volume driven price reductions
- Choice of infrastructure platforms for all applications
- Innovation encouraged – a market place for new ideas from suppliers and end users
- You can "see what's coming" as well as "what's there"

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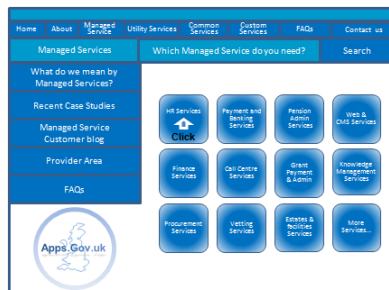
Key Commercials Principles – A Reminder

Establish an open market	Run a successful market
Make change simple and easy to achieve A marketplace where purchasers can switch easily between providers at the end of contracts - or where a provider under-performs. **Make pricing transparent and comparable** Visibility of all additional service charges, and costs of change, reflecting total cost of service and priced on a utility model by a measurable unit. Lowest price per transaction for all public sector bodies, supported by initial and periodic benchmarking. **Make it quick, simple and compliant to buy from the G-Cloud** Standardised, simplified, compliant transacting at minimal cost to all parties. **Create an open market for each category** A competitive open market, with limited barriers to entry, that ensures that suppliers can deliver and scale what is being sold.	**Encourage and enable re-use** A commercial model where the crown is treated as a single customer, and where the collaboration, sharing and re-use of services, licenses, assets and IP is incentivised for both government and supplier. **Provide a mechanism to manage the process** Ensure that all parties adhere to G-Cloud rules and principles, with a clearly defined arbitration process, and assurance that all parties interests are represented fairly. **Encourage compliance as the default position** Establish a viable market through the encouragement of compliance (and discouragement of non-compliance) **Provide a clear commercial road map for transition** Encourage incumbent providers to transition service where desirable, to quickly meet OEP targets.

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