Request for information under the Freedom of Information Act – 2021.822
Released – 10 June 2021

Thank you for your email dated 12 May 2021 requesting information regarding the use of hybrid cloud within the public sector

Please find detailed below a summary of your original request together with our response.

Original request:
1. **Do you have a cloud strategy? (Please provide a link to the strategy)**
   A) **Yes**
   B) **No**
2. **When was the cloud strategy defined?**
3. **If yes, what is the focus of your cloud strategy?**
   A) **All in on public cloud (no private cloud or on-premise infrastructure)**
   B) **Cloud First (new services in public cloud with some on premises infrastructure or private cloud)**
   C) **Hybrid cloud (some combination of one or more public clouds, private cloud and on-premises)**
   D) **Private cloud (no public cloud)**

We do not have a cloud strategy.

4. **What public cloud(s) do you use?**
   A) **AWS**
   B) **Alibaba Cloud**
   C) **Azure**
   D) **Google Cloud Platform**
   E) **Oracle Cloud**
   F) **UK Cloud**

We use none of the public clouds listed directly, however we do have many SaaS solutions.

5. **What percentage of your applications and/or workloads is on premise?**
   A) **0%**
   B) **10% - 25%**
   C) **25% - 50%**
   D) **50% - 75%**
   E) **100%**

C) 25%-50% of our applications and/or workloads is on premise.

6. **What percentage of your applications and/or workloads is in the public cloud?**
   A) **0%**
   B) **10% - 25%**
   C) **25% - 50%**

Chairman John Goulston **Chief Executive** Paul Bentley
Trust HQ The Oast, Unit D, Hermitage Court, Hermitage Lane, Barming, near Maidstone, Kent ME16 9NT

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    D) 50% - 75%
    E) 100%

C) 25%-50% of our applications and/or workloads is in the public cloud.

7. **What percentage of your data is on premise?**
   A) 0%
   B) 10% - 25%
   C) 25% - 50%
   D) 50% - 75%
   E) 100%

C) 25%-50% of our data is on premise.

8. **What percentage of your data is in the public cloud?**
   A) 0%
   B) 10% - 25%
   C) 25% - 50%
   D) 50% - 75%
   E) 100%

C) 25%-50% of our data is in the public cloud.

9. **What percentage of your infrastructure is legacy?**
   A) 0%
   B) 10% - 25%
   C) 25% - 50%
   D) 50% - 75%
   E) 100%

B) 10%-25% of our infrastructure is legacy.

10. **Do you have third-party services or solutions on premise that are not cloud-ready or fit for cloud migration?**
    A) Yes
    B) No

We have not undertaken this assessment therefore the information for question 10 is not held.

11. **What workloads or functions have you moved to the cloud? (Multiple answers. Please specify other if not listed)**
    A) Office productivity (e.g. Microsoft 365, Google Workspace)
    B) Citizen-facing digital services (e.g. GOV.UK)
    C) Back-office applications (e.g. transaction processing)
    D) Artificial Intelligence, Machine Learning, cognitive services
    E) Software development/DevOps
    F) Corporate functions (e.g. HR, Finance, CRM)
    G) Intranet

H) **Public website**
I) **Backup, business continuity and disaster recovery**
J) **Other**

We have SaaS solutions for the following workloads/functions which were moved to the cloud:
F) corporate functions
G) Intranet
H) Public website

12. **What challenges did you face when moving to the public cloud? (Multiple answers. Please specify other if not listed)**
    A) **Migrating certain applications**
    B) **Legacy infrastructure**
    C) **Different refresh cycles**
    D) **Difficulty proving cost illustrations**
    E) **Funding paths (Capex/Opex)**
    F) **Data gravity**
    G) **Data Classification**
    H) **Licensing concerns**
    I) **Data privacy concerns**
    J) **Offshoring & data residency**
    K) **Lack of in-house skills**
    L) **Vendor lock-in/ Egress cost prohibitive**
    M) **Other**

We faced the following challenges when moving to the public cloud:
C) Different refresh cycles
D) Difficulty proving cost illustrations
E) Funding paths (Capex/Opex)
K) Lack of in-house skills

13. **What percentage of your infrastructure do you plan to be public cloud based in 12 months' time?**
    F) **0%**
    G) **10% - 25%**
    H) **25% - 50%**
    I) **50% - 75%**
    J) **100%**
H) 25%-50% of our infrastructure is planned to be public cloud-based in 12 months' time.

14. **What percentage of your infrastructure do you plan to be public cloud based in three years' time?**
    A) **0%**
    B) **10% - 25%**
    C) **25% - 50%**
    D) **50% - 75%**
    E) **100%**

C) 25%-50% of our infrastructure is planned to be public cloud-based in three years' time.

15. How much has your organisation spent on public cloud since the Government's G-Cloud or 'cloud-first' policy was introduced in 2012?

We cannot split costs of Hosting on Cloud from the cost of the software where we have SaaS (Software as a Service). So any figures the trust provides would not be accurate or representative of IaaS of PaaS as the software costs are included in SaaS which is what we have used for any Cloud instated solutions.

16. How much has your organisation spent on on-premise infrastructure since the Government's G-Cloud or 'cloud-first' policy was introduced in 2012?

An estimate of £2.4million has been spent on on-premise infrastructure between 2014 and April 2021. However, please note this includes elements of licensing/subscriptions and support which cannot be easily separated from the overall cost.

17. How much has your organisation spent on cloud/infrastructure consultancy services in FY 20-21?

The Trust did not spend any money on cloud/infrastructure consultancy services in FY 2020/21.

18. How much was spent on public cloud data egress charges in FY 20-21?

The Trust did not spend any money on public cloud data egress charges in FY 2020/21.