3,800 offices

Reported Revenue $51.4bn

102PB of data

38 million customers

229,000 people around the world

Data Centres in 21 countries

Present in 66 countries & territories

$1.5 Trillion Daily payments processed

90,000+ Servers

40,000 IT Professionals

$2.5bn Run / $3bn Change (cash)
Big questions:

- What is Cloud?
- Why Cloud?
- What if it fails?
- What about vendor lock-in?
- How do we secure data?
- How do we govern Cloud?
- What are we planning to do on Cloud?
What is Cloud?
Why Cloud?

Design Goals

Resilience  Cost  Innovation

Security  Flexibility  Speed

PUBLIC
What if it fails?

Risk Appetite Statement

HSBC should ensure that when entering into, or operating, a material outsourcing agreement with:

- Google Cloud Platform (GCP),
- Amazon Web Services (AWS),
- Microsoft Azure,
- and other Cloud Service Providers

it should not increase the firm’s Operational Risk exposure.

This will be managed by ensuring the controls implemented to protect HSBC data are in line with Company Policy and standards.
What if it fails?
What if it fails?
What about vendor lock-in?
How do we secure data?
How do we govern Cloud?

- End to End Controls Review
- Ongoing Audit and Controls Testing
- Project by Project Review
- Reporting to Regulators
What are we planning to do on Cloud?

1. Migrating Big Data, analytics and Machine Learning to Google.
2. Deploying new Digital applications to multiple Cloud providers.
3. Migrating legacy applications requiring hardware and software refresh.