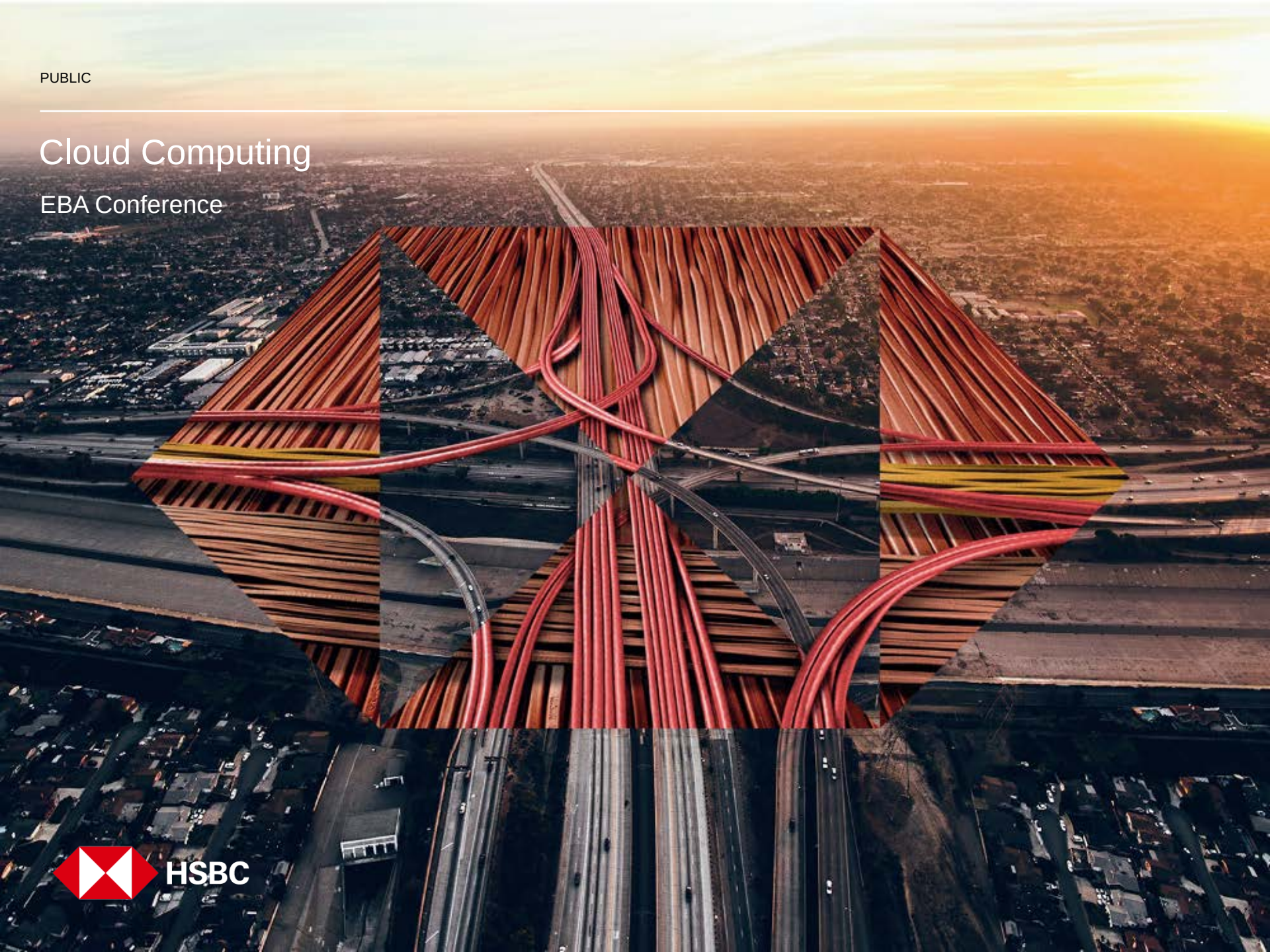
PUBLIC

Cloud Computing

EBA Conference



HSBC

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

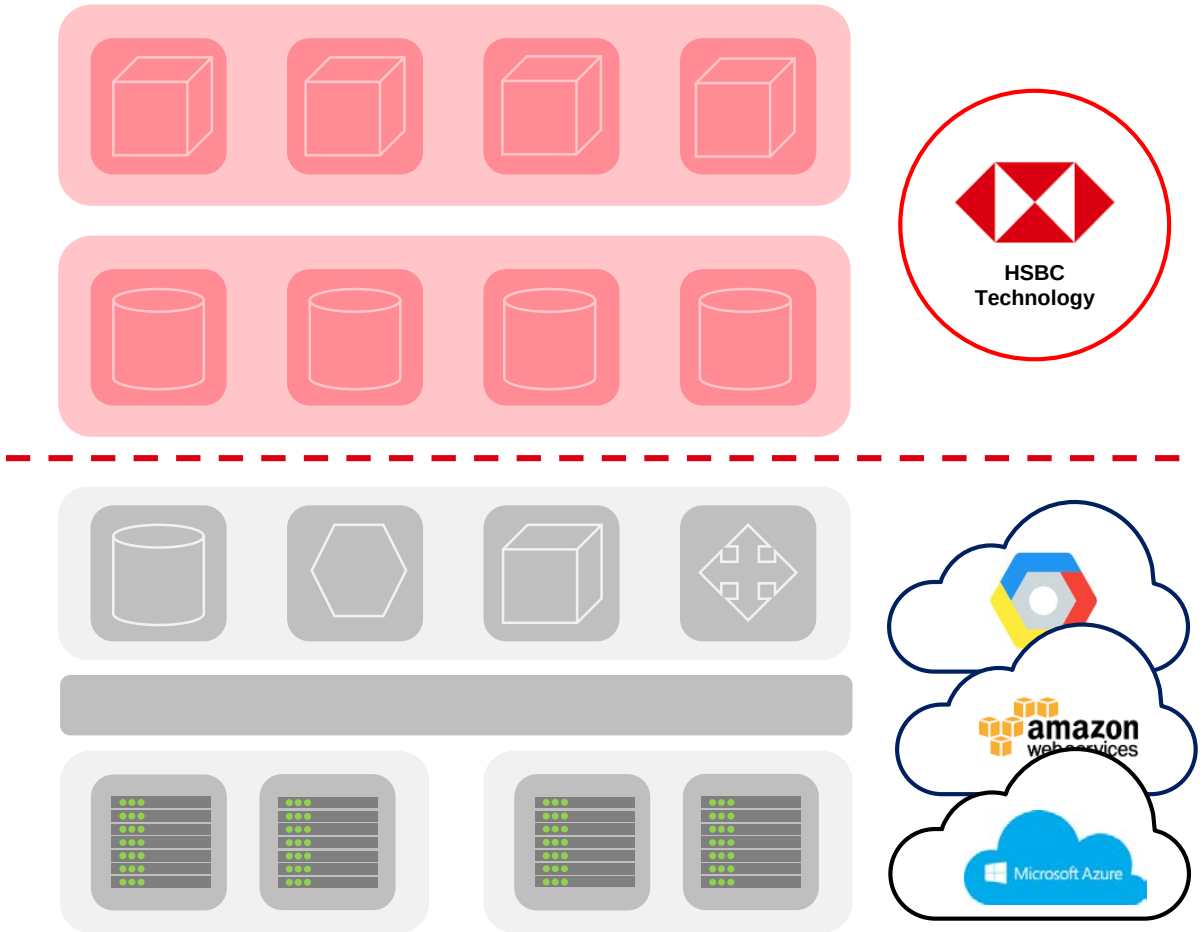
40,000 IT Professionals

$2.5bn Run / $3bn Change (cash)

Big questions:

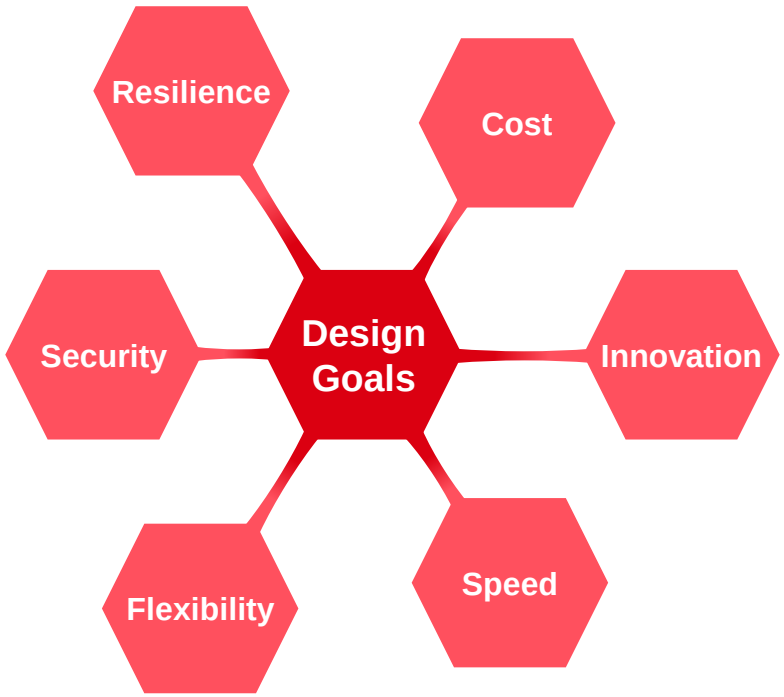
- What is Cloud?
- Why Cloud?
- What if it fails?
- What about vendor lock-in?
- How do we secure data?
- How do we govern Cloud?
- What are we planning to do on Cloud?

What is Cloud?



Why Cloud?

HSBC Technology



What if it fails?

HSBC Technology

Risk Appetite Statement

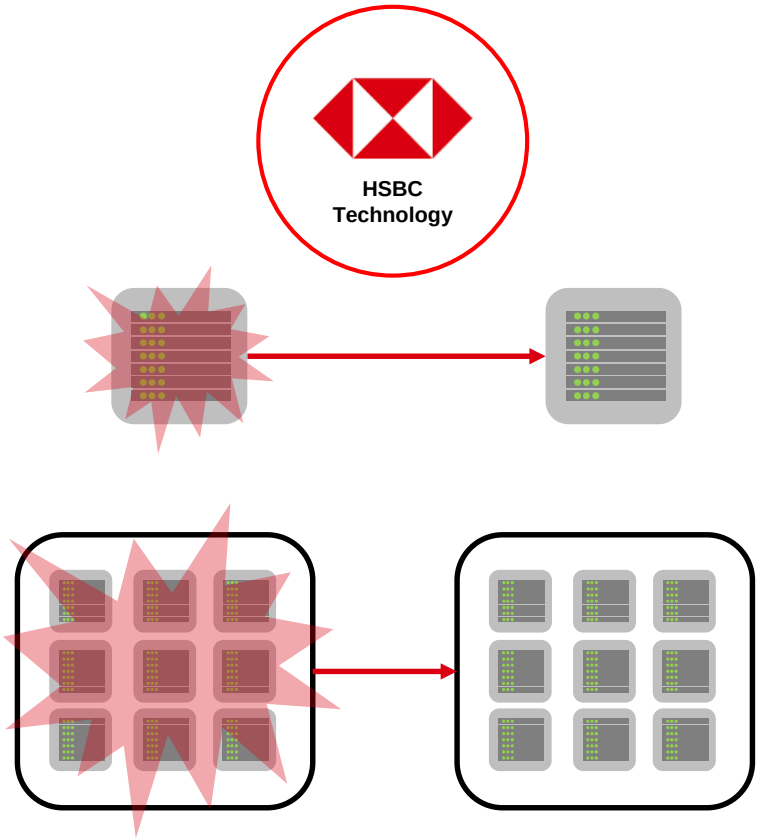
HSBC should ensure that when entering in to, or operating, a material outsourcing agreement with:

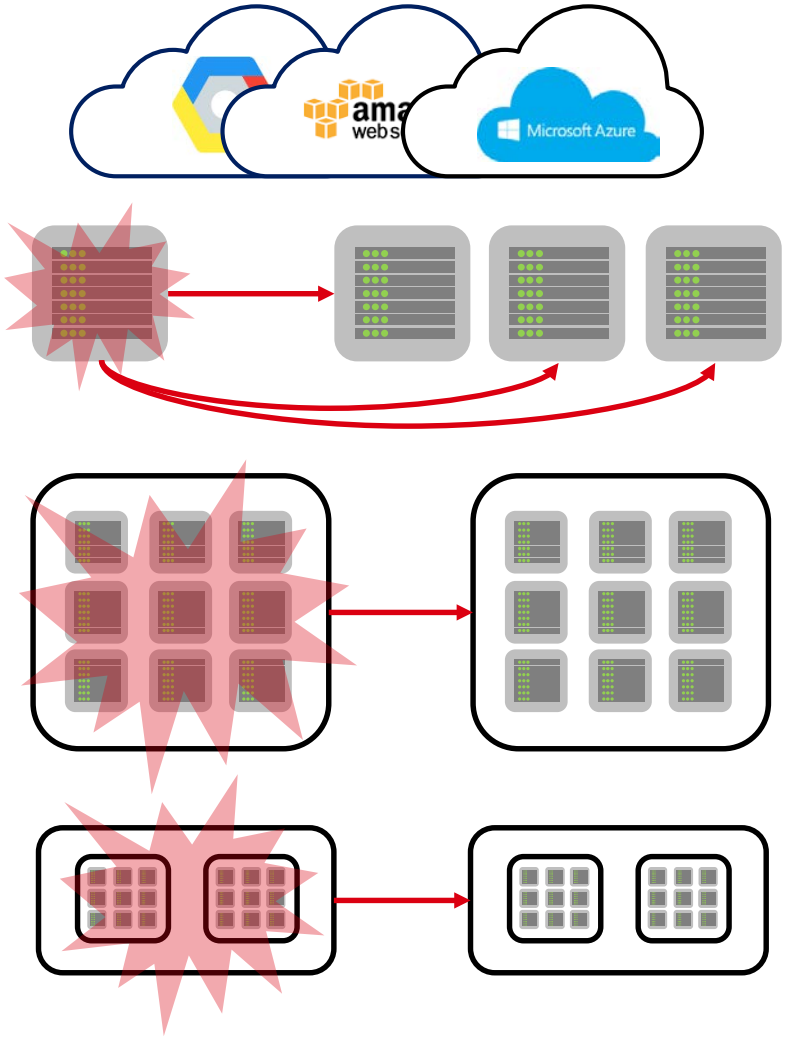
- Google Cloud Platform (GCP),
- Amazon Web Services (AWS),
- Microsoft Azure,
- and other Cloud Service Providers

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

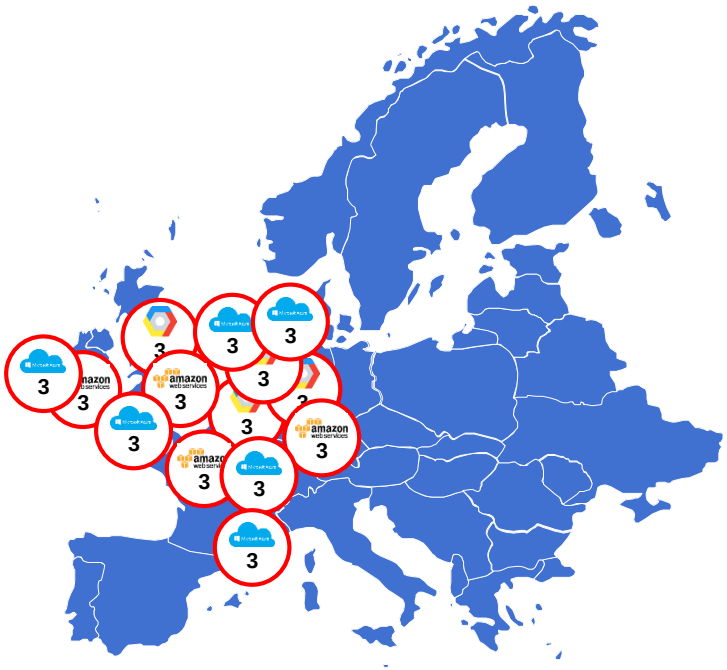
This will be managed by ensuring the controls implemented to protect HSBC data are in line with Company Policy and standards

What if it fails?

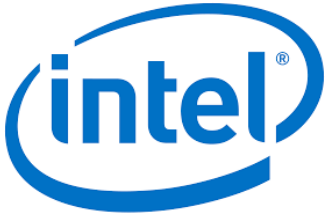




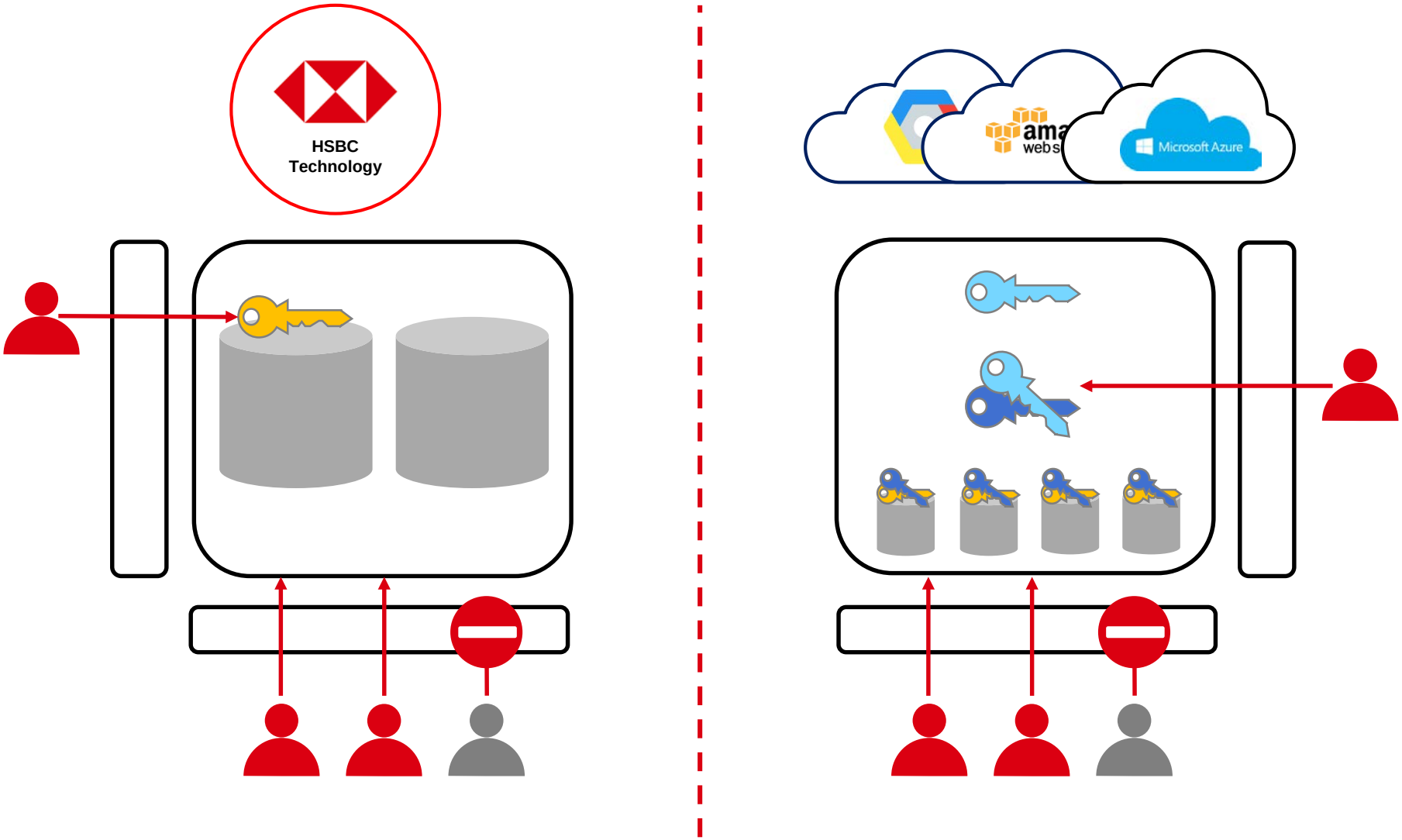
What if it fails?



What about vendor lock-in?



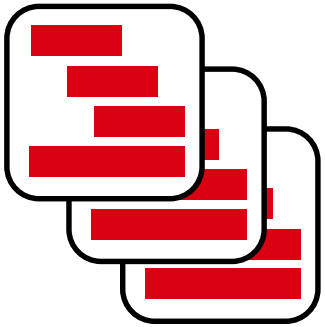
How do we secure data?



How do we govern Cloud?

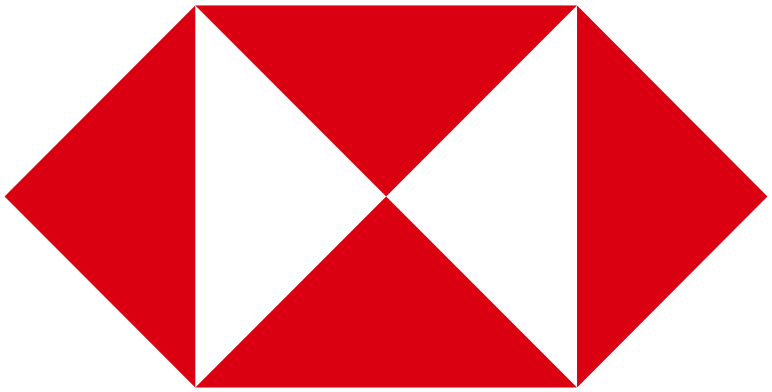
End to End Controls Review

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.

PUBLIC