

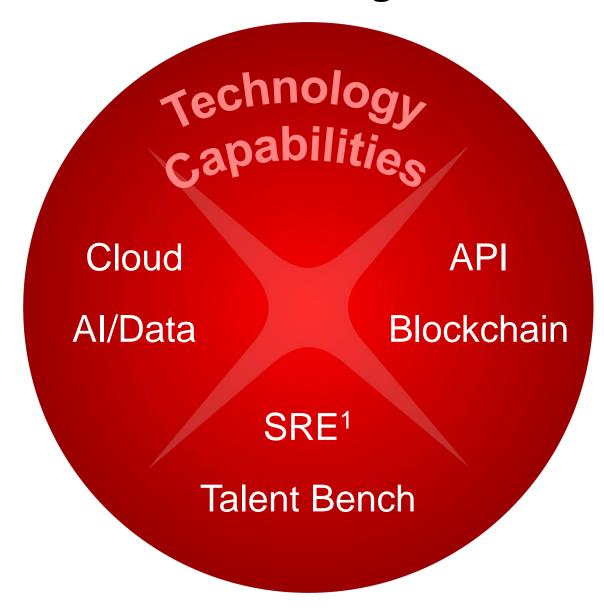
Investor Day 2023

Tech Capabilities

Jimmy Ng

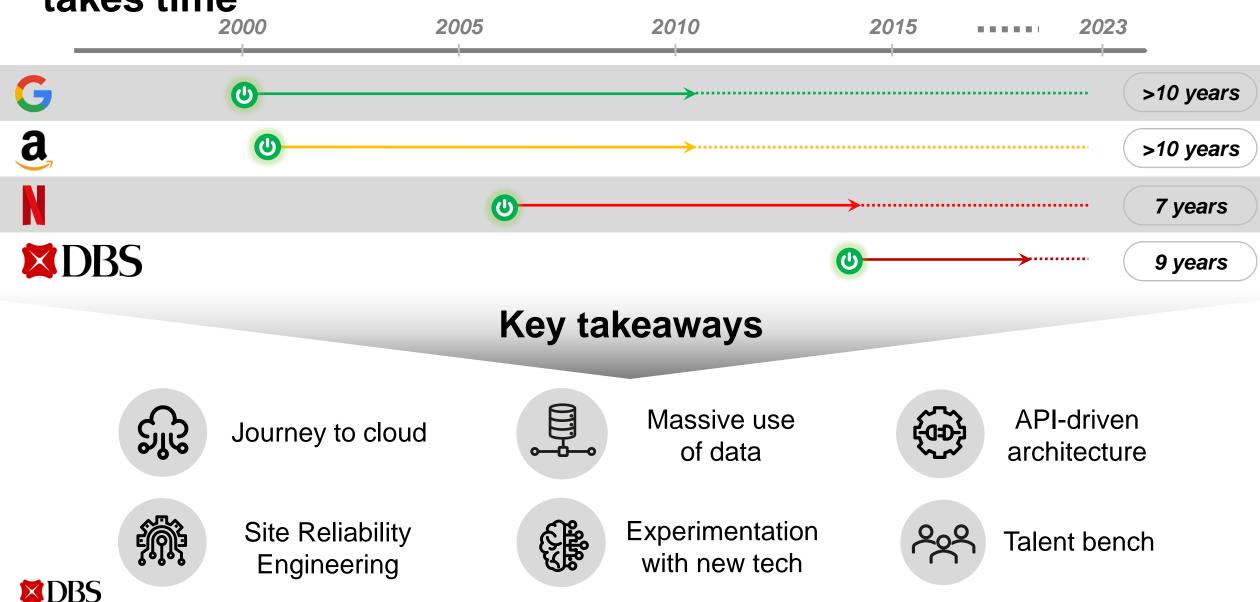
Group CIO & Group Head, Technology & Operations

Unlocking our sustainable advantage





Rome was not built in a day. Transforming tech capabilities takes time



Being the D in





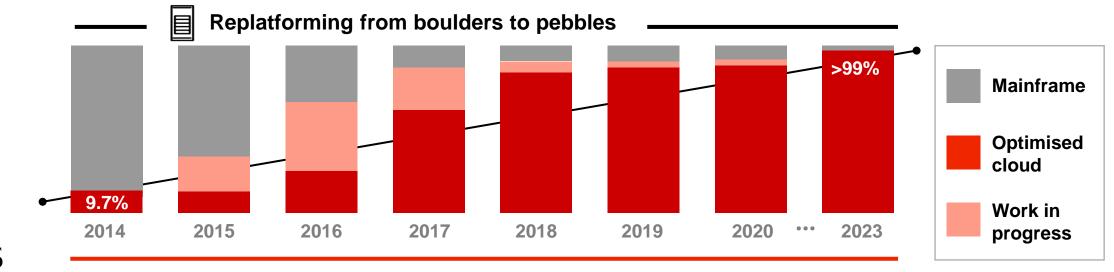
Our digital transformation journey: turning boulders into pebbles





Our digital transformation journey: turning boulders into pebbles

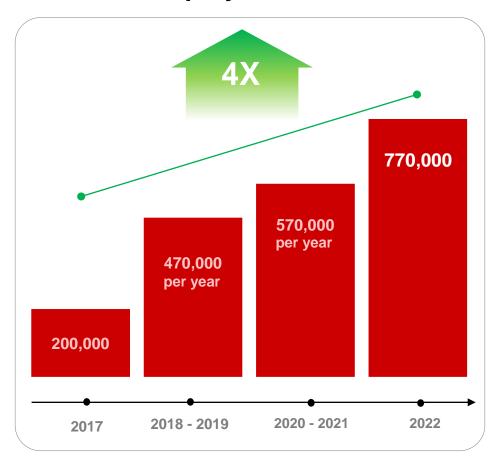




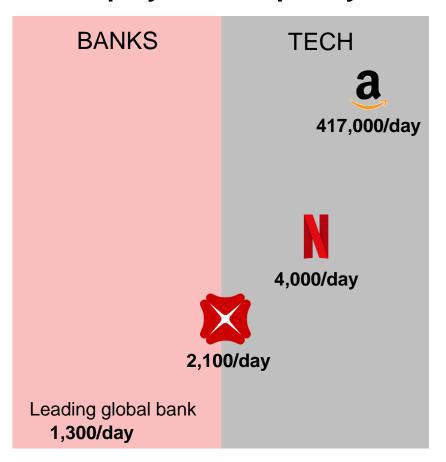


Our modern tech stack enables scale and agility

Total deployment releases



Deployment frequency







Our hybrid multi-cloud strategy gives us efficiency and flexibility

Private Cloud Hybrid, Multi-cloud Public Cloud



In-house Infrastructure as a Service (laaS)

Efficiency achieved **below price point** of AWS



Workload portability & surge capacity

On-demand computing power



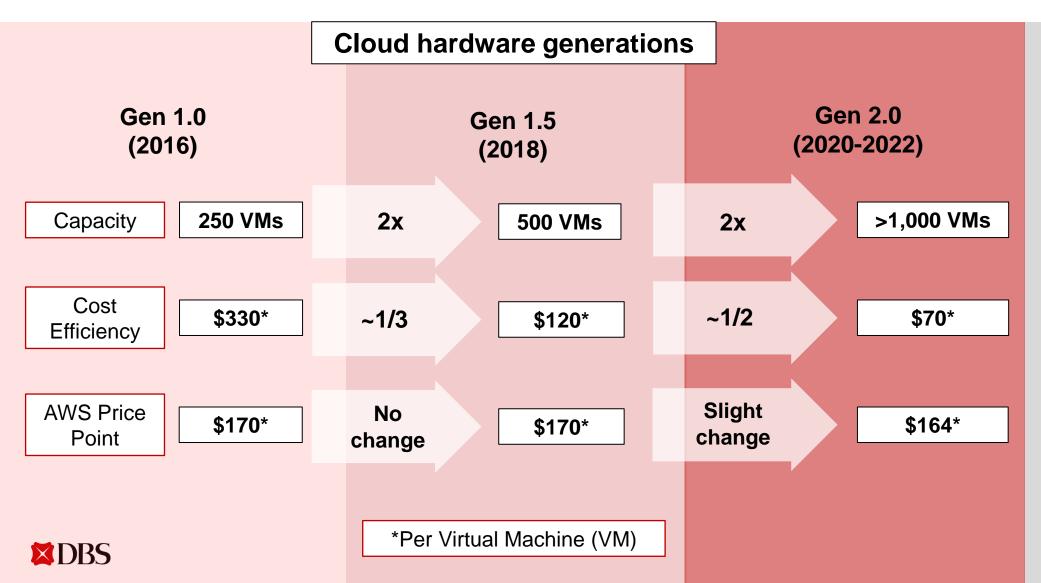
Advanced capabilities

for advanced analytics and insights





Cost-efficient private cloud rivals major service providers

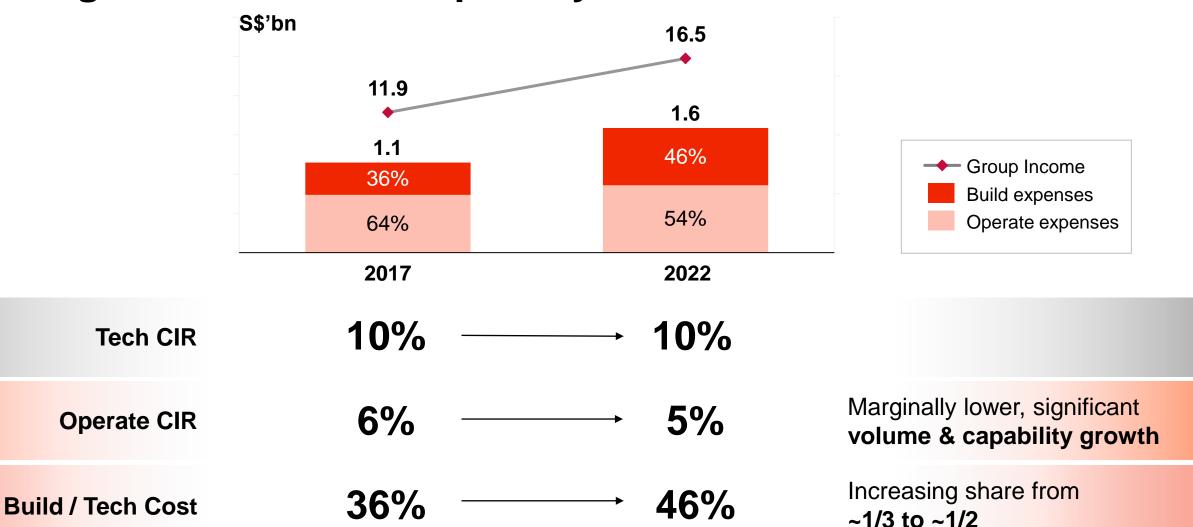


Benefits

- Downsized data centre by 75%
- Created 10x growth capacity

Operate is efficiently managed, enabling us to invest for capability







We have built key capabilities in ADA, our data platform





DATA ACQUISITION

10+ silos to 1 platform

Data ingestion at scale



DATA ACCESS

Proprietary integrated security framework

Instant access to permitted data



DATA DISCOVERY

Metadata and data lineage

Understand data in minutes



MODEL DEVELOPMENT

CPU and GPU farms on premises and in the cloud

On demand capacity



MODEL DEPLOYMENT

State-of-the-art tools for visualisation and modelling

State-of-the-art tools

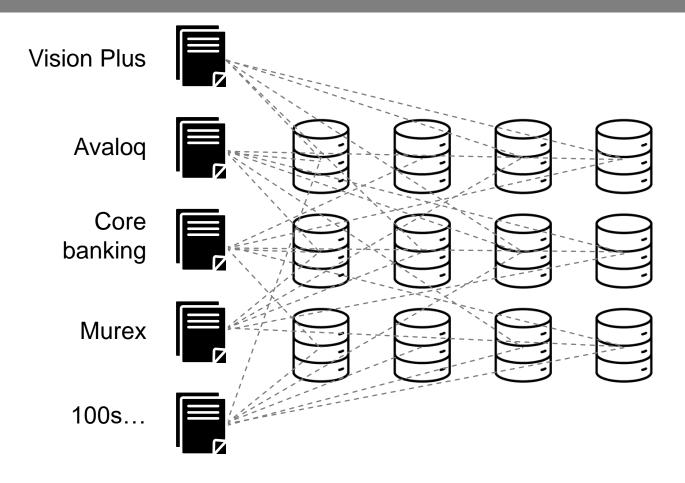


Our data platform transforms the bank's data into a competitive differentiator





Consolidates data to a single source of truth



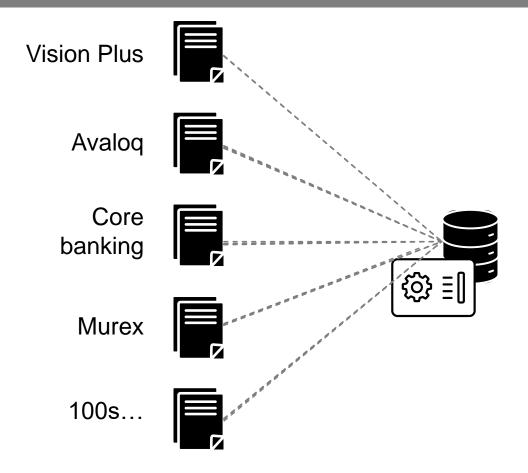


Our data platform transforms the bank's data into a competitive differentiator





Consolidates data to a single source of truth



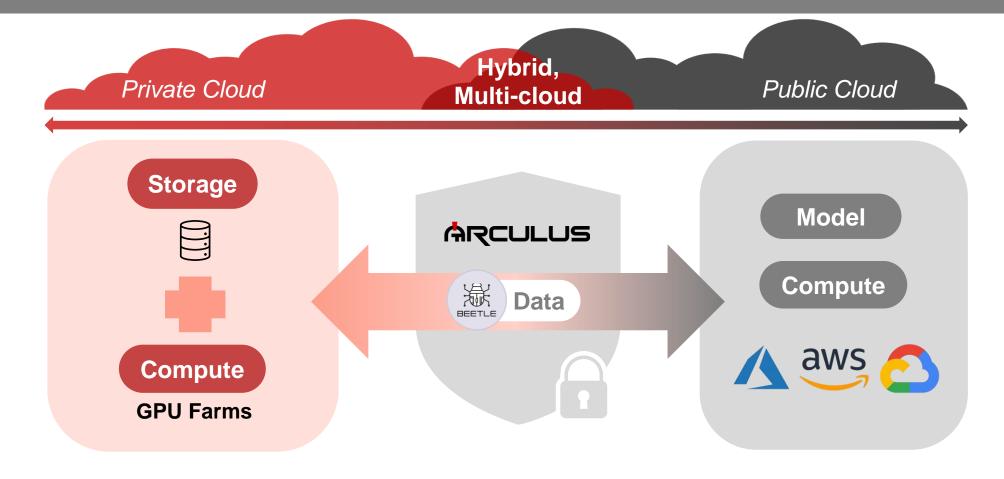


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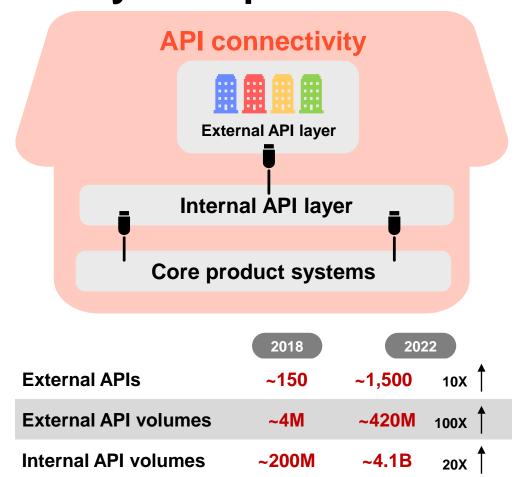
Enabling on-demand capacity

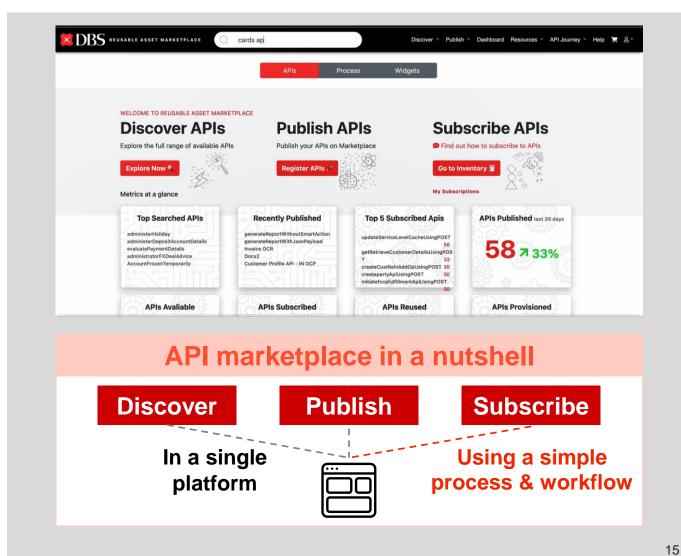






API-driven architecture increases connectivity with ecosystem partners

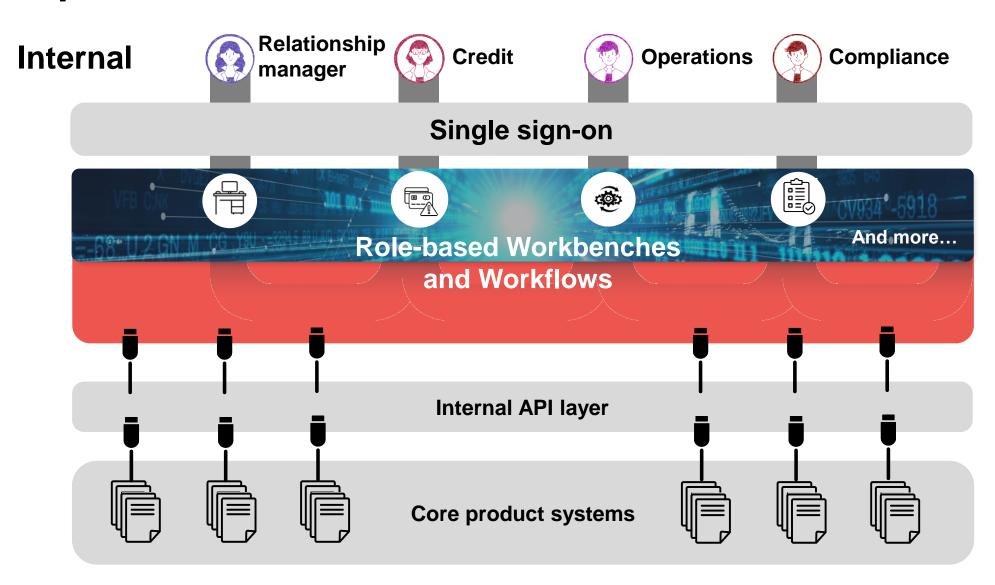






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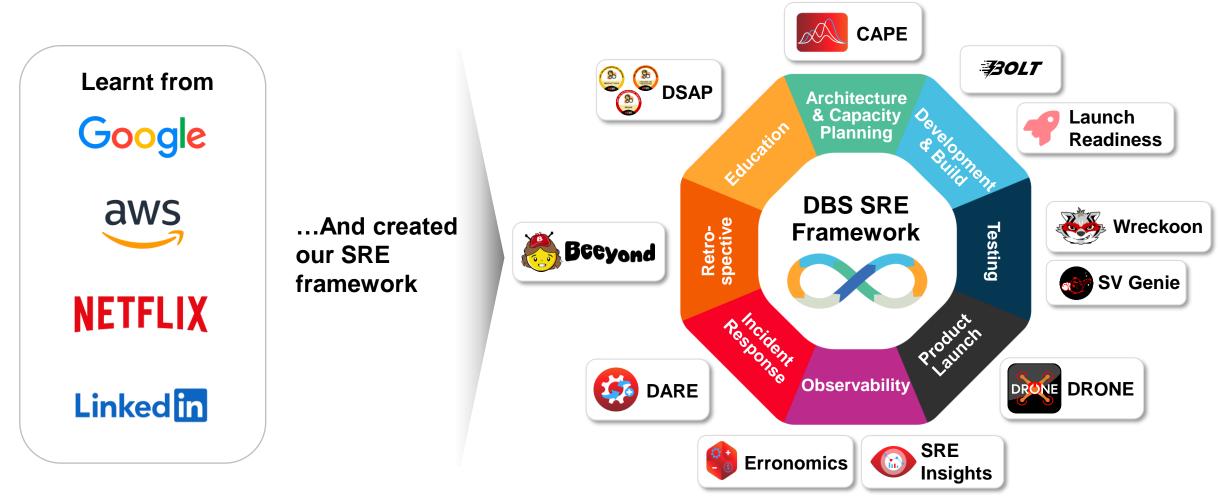
Internal APIs also enabled us to develop our Workflows and Workbenches







Maturing our Site Reliability Engineering (SRE) practice to scale safely and securely





Experiment with new technologies to create business opportunities

Blockchain / smart contract technology foundational capabilities











Tokenisation, wallet management

Compliance, legal & surveillance

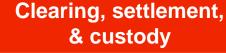
Automated market maker & liquidity pool management

Operational efficiency for both public / permissioned chain

Node-as-a-service, cross-chain interoperability

Origination & issuance







Tokenised digital capital market issuance



Security Token
Offering origination
& tokenisation



Tokenised carbon trading exchange



Security Token
Offering trading &
execution



DeFi trading



Digital asset custody & servicing



Next-gen clearing & settlement



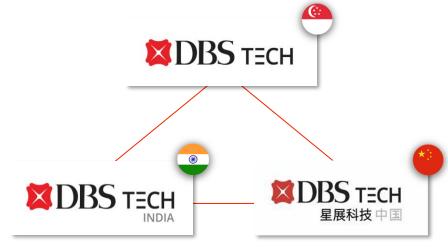
Programmable money



Our people – a decade-long transformation

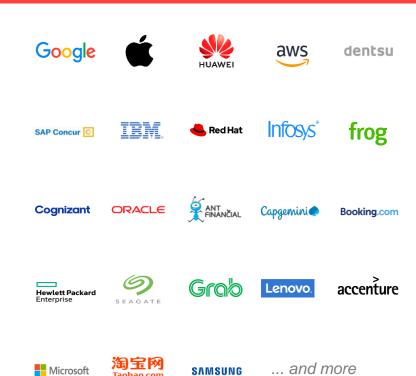
Diversified our global talent pool

12,000 technologists



*To be established in mid-2024

... hiring from big tech, design firms





More technologists than bankers – Having a breadth of talents and skill sets



Data

Analytics

- Data Scientist
- Big Data Analyst
- Quant Dev/ Modeller
- Reporting Specialist

Data Technology

- Data Engineer
- Machine Learning Engineer
- Data Architect





Tech

- Full Stack & Mobile Web Developer
- DevOps Engineer
- Application Architect
- Cloud, Infra, SRE Engineer
- Cyber & Application Security
- 5G, IoT, Blockchain





Design

- Digital Product Designer
- Design Researcher
- COE/System Designer
- UX Writer/Engineer

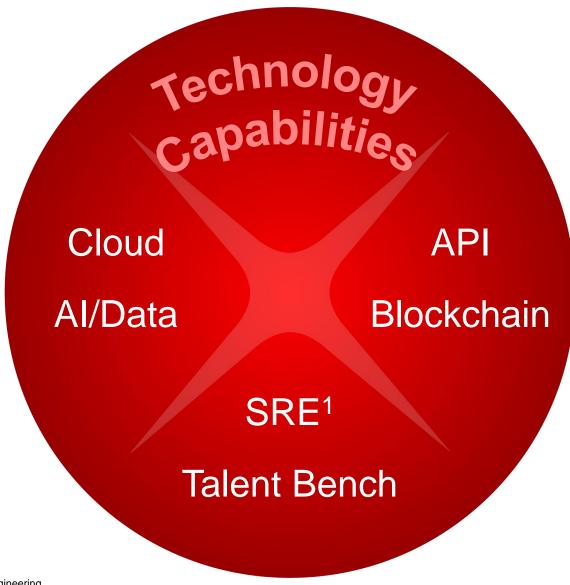


Growing our own timber

Attracting >1,000 young talents from the polytechnics and the universities



Unlocking our sustainable advantage





Site Reliability Engineering

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