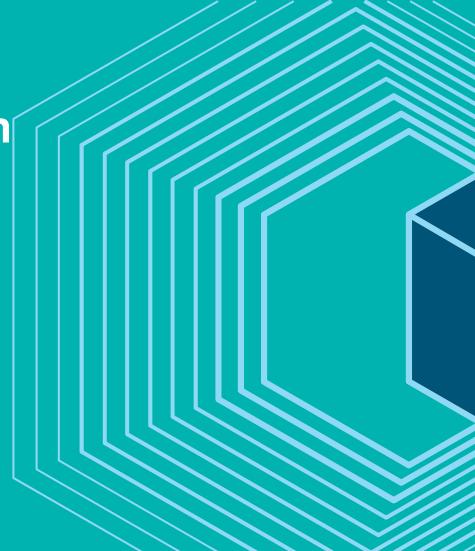
Technology Leadership in the Cognitive Era

September 15th 2016

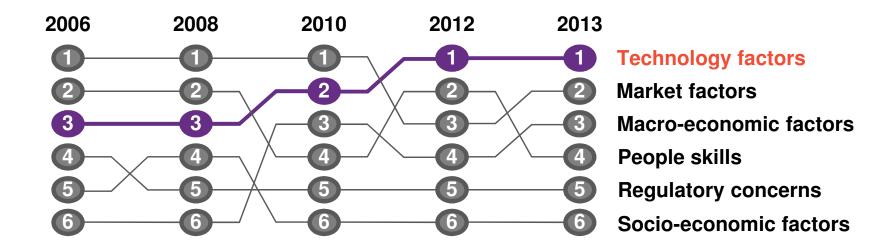
Surarit Wuwong

Country Manager, IBM Systems IBM Thailand Co.,Ltd.





Today's business leaders recognize the importance of technology in driving business success



Source: IBM Institute for Business Value, Global C-Suite Study, 2013

IT leaders must drive innovation at unprecedented speed and scale

...while maintaining their core businesses

Driving innovation:



IoT will connect **30 billion** devices by 2020



48% of shoppers want ondemand personalized promotions



65% of transactions with healthcare organizations will be mobile by 2018

Maintaining business:



6.75 TBs of data will be created per person per day by 2018

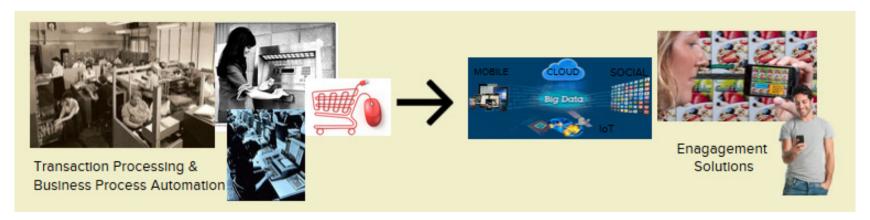


Average cost of a data breach in 2020 will exceed **\$150 million**

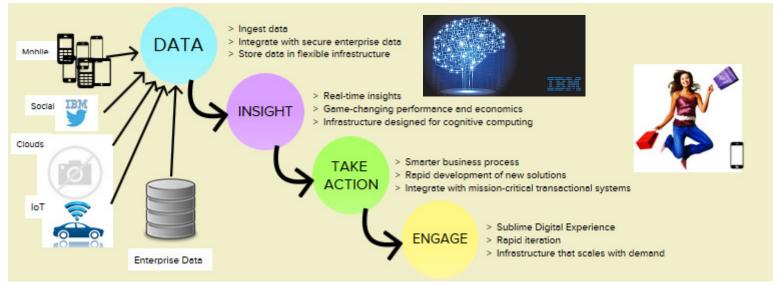


Average hourly cost of downtime is over **\$1.6 million**

New Enterprise Value Coming from Use of IT to Engage Clients and Optimize Physical World



...these solutions leverage cognitive, analytics, social, mobile & cloud to deliver

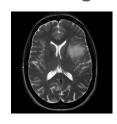


Desired Outcomes Require Cognitive Technology

... cognitive technologies unlock insights from massive amount of unstructured data



TEXT



IMAGE



VOICE

... the key attributes of cognitive technology are



Understand the World as opposed to Automating the World



Advise and provide evidence as opposed to giving Yes/No Answers



System Learns & Improves as opposed to Systems staying Static

Desired Outcomes Require IT Infrastructure that can Handle Demands of Cognitive Technology

... cost efficient, scalable, performant SW-defined storage to handle data

requirements

Terabytes & Beyond

Data in single location



Data From Multiple
Sources
in Multiple Protocols
on Multiple Storage Media

... systems optimized for data processing and designed for acceleration

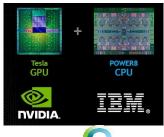










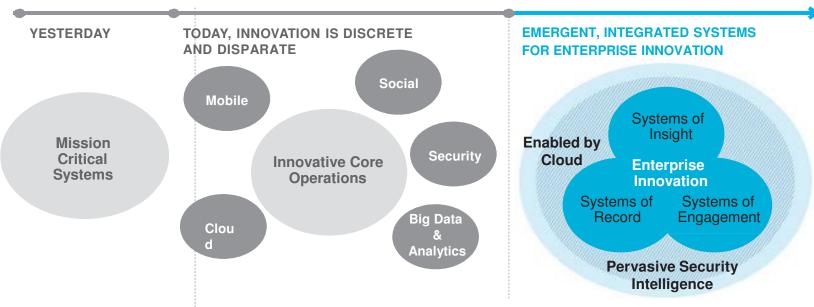




Desired Outcomes Drive a Hybrid Cloud Infrastructure

- Building a new Engagement solution to drive new business opportunities
- Integrating more data/insights into existing processes to drive better business results
- Making your IT more efficient to reduce costs and increase speed of innovation

... outcomes realized through the integration of new era technologies with core systems



We believe becoming a cognitive business means evolving IT infrastructure in three areas

Accelerate speed of innovation for new services



Build with Collaborative Innovation

Tap into your ecosystem and extend infrastructure investments to drive innovation

Deliver real-time business visibility and insights



Design for Cognitive Business

Integrate data from various sources and derive real-time insights from oceans of data

Ensure secure, compliant and predictable IT services



Deliver through Cloud Platform

Create an infrastructure that is both secure and open & both flexible and predictable

IBM Systems infrastructure plays a critical role in helping our clients capture business and IT value from emerging trends







In the next generation of systems leadership, IBM Systems build on open market innovation to deliver differentiated client value and giving clients greater flexibility in deployment



More than 125 members and growing

TYAN (



INSDUC浪潮 redislabs

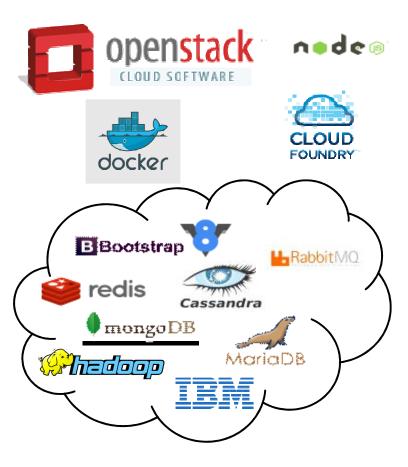
Goal: Open System Innovation for Cloud Data Centers

Original Officers:

Chairman, Google, Gordon MacKean, Senior Engineering Director President, IBM, Brad McCredie, VP and IBM Fellow Vice President, Nvidia, Michael Diamond, Senior Director Marketing

 IBM provides open documentation and open license access to chip design IP





Leveraging Open Innovation on Power8

CAPI enables accelerators to operate on memory in the same CAPI way that general purpose processors can operate on memory Technology

Even greater results for big data & analytics

3X

Smaller footprint

Data Engine for Analytics



8X

Improvement

Customer insight analytics &



10X & 7X

Bandwidth Increase

Reduced Latency

Key Value Store leveraging RDMA I/O





12X

Less space & **Energy**

Data Engine for NoSQL

redislabs

< 1hr

To complete genomics pipeline **Genomics**

edico genome



Software defined storage for new workloads



Spectrum Scale Software

- Software that supports a broad set of hardware
- True Elasticity, Scale out and in, globally, virtually without limits
- Automated Data Governance, across Flash, Disk and Tape
- Enhanced security with encryption
- Open Access via POSIX, NFS, Hadoop & Object Storage via OpenStack Swift
- True Hybrid Cloud Storage with Transparent Cloud Tiering on: Cleversafe SDFTLAYER Webservices S3



Breakthrough storage technology that powered IBM Watson, available for commercial use

Lead the transformation with flash everywhere



IBM FlashSystem

Accelerate business insight with extreme performance and advanced management features

- Experience real-time analytical insights with up to 50x better performance than enterprise disk systems with IBM FlashCore™ technology
- Future-proof infrastructure while scaling to over
 2 petabytes of effective all-flash capacity under a single integrated interface
- Deliver agile integration and superior data economics with 4x greater capacity in less rack space than competitive all-flash products



Flash guarantee on MicroLatency performance, Comprestimator savings from data reduction, and flash media endurance

Thank you.



