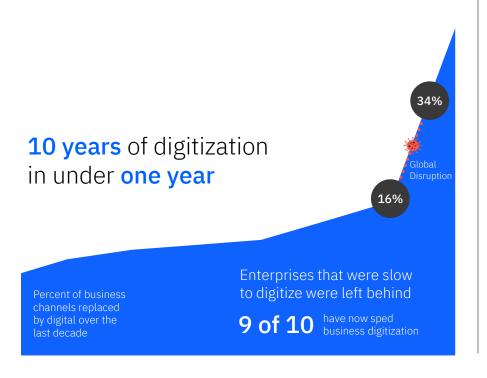
IBM Z Executive Briefing for Jacksonville Z Council March 14th, 2023

Joanie Gines
World Wide VP,
IBM Z Application & Platform
Software Sales



Digital transformation turns to reinvention



Urgency to build new businesses that create new advantage



Technological innovation



Customer-centricity



Ecosystem co-creation

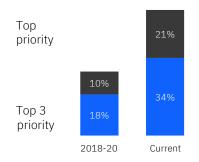


Sustainability

7 in 10

CEOs are driving large-scale change in value creation and ways of working

By 2026, half of revenue will come from businesses that do not exist today



6 in 10

rank new business building as a top priority – doubling since the global disruption

Major challenges to address

... as digital transformation accelerates, extends to mission-critical processes



Manage increased complexity, given heterogenous IT/ clouds

- 75% users utilizing two+ public clouds
- 70% workloads not on public clouds
- 20B internet-connected devices by '24



Derive value from an explosion of available data

- 2-3x growth in total data by '25
- Chief Data Officer role growing fast
- Top AI needs for decision making and automated business operations



Drive competitive operations, despite worker shortages

- 30% of innovation, client support, ecosystem and workforce, virtualized by '23
- 80% Enterprise agree that intelligent automation can improve business results⁶



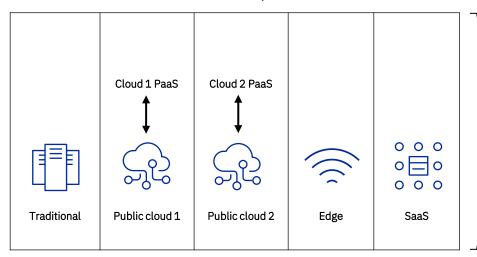
Protect businesses from cybercrime: 40% increase in number of malicious security breaches in 2020



Be sustainable end-to-end: 85% of companies have a sustainability strategy, only 35% have acted on it

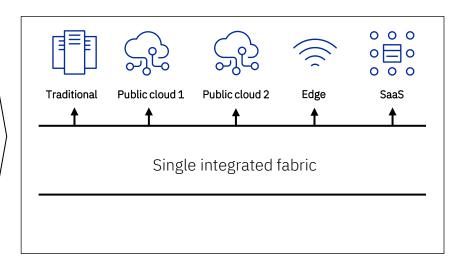
Hybrid cloud, a better architecture for application modernization

Heterogenous environments are becoming more complex



- Proprietary technologies in separate environments
- Siloed developer teams with manual, duplicative processes

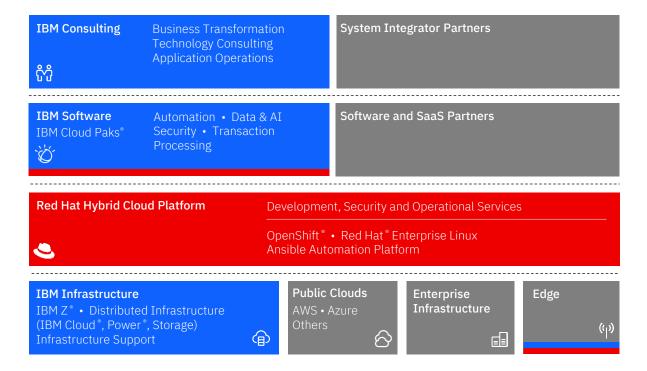
Hybrid cloud platform



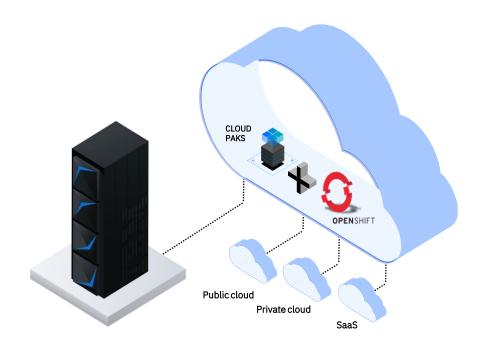
- A common platform
- Developer teams use agile practices with common set of processes

IBM approach for Hybrid Cloud and AI

Be the catalyst that makes the world work better



The best of the mainframe and the innovation of Cloud



Significantly expand your talent pool

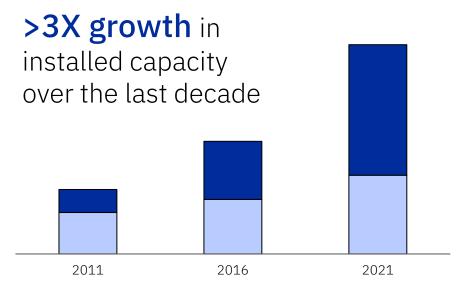
Bring an enterprise-wide DevOps practice

Easily access IBM Z data <u>without</u> moving off-platform

Optimize costs

Maintain the option of <u>repatriating cloud applications</u>

IBM Z: Increasing momentum in the era of Hybrid Cloud



Workload as measured by installed Million Instructions Per Second (MIPS)

Standard MIPS
Specialty MIPS

67 of the Fortune 100

45 of the world's top 50 banks

8 of the top 10 insurers

4 of the top 5 airlines

7 of the top 10 global retailers

8 of the top 10 telco's

24 of the top 25 countries by GDP*

^{*24} of the top 25 global countries ranked according to their GDP have public sector organizations that run on IBM Z or IBM LinuxONE

According to Gartner:

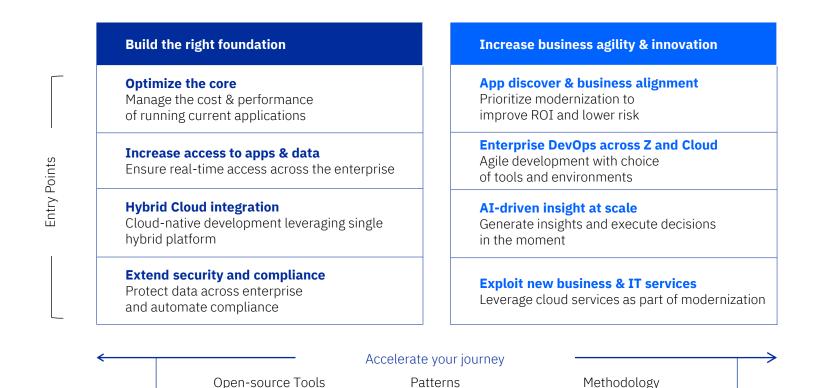
Application leaders responsible for a strategy to build a digital business platform should:



Exploit and extend the value of your legacy applications by removing obstacles, rather than viewing and treating those applications as a problem

Use continuous modernization as an alternative when a rip-and-replace program would be too costly, risky, or time-consuming

IBM's approach lets you continuously modernize applications & data on IBM Z and Cloud



IBM Z technology innovation

Drive innovation to remain the most secure. most reliable, most scalable transaction processing and data serving platform



IBM z14°

14nm

2017

Accelerated Encryption

Virtual Flash Memory

High-Speed Synch I/O

Secure Service Containers IBM z15[™]

14nm

Accelerated Compression

Accelerated Sort

Secure Execution

System Recovery Boost

2022

IBM z16[™]
Built to build the future of business

IBM z16

7nm

Accelerated AI

Quantum Safe System

Secure Boot

Memory Encryption

Flexible Capacity for Cyber Resiliency Up to 200 Telum Processor Cores

7nm technology, 5.2GHz, 1.5x Cache

11% per core performance improvement

17% total system capacity growth

25% more processor capacity per drawer

Up to 40TB memory

1 to 4 19-inch frames

IBM z16 is built to build

We built a powerful and secure platform for business. Let's build the future of yours.



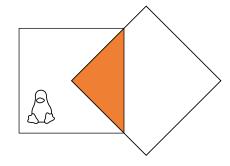
Predict and Automate for Increased Decision Velocity



Secure with a Cyber Resilient System



Introducing IBM LinuxONE Emperor 4 Building a sustainable infrastructure



Sustainability,

without compromise

Reduce your energy consumption and costs with a highly efficient system Deliver consistent transactional service levels with a massively scalable system Build privacy and protection with a cyberresilient system

IBM Z innovations – Driven by design principles

Drive innovation to remain the most secure, most reliable, most scalable transaction processing and data serving platform



14nm

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IBM z16

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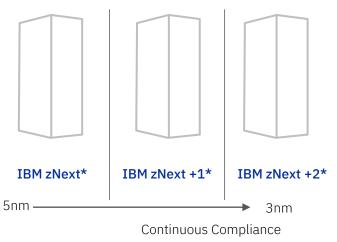
Accelerated AI

Quantum Safe System

Secure Boot

Memory Encryption

Flexible Capacity for Cyber Resiliency



Foundation Models

AI for Security

Accelerated I/O

Enhanced Workload Isolation

Fully Homomorphic Encryption

Quantum Integration

*Subject to change

2030

Thank you