

FUTURE PROOF FOR IT AND BUSINESS TRANSFORMATION

VP & GM, DIGITAL TRANSFORMATION & SCALE SOLUTIONS, ENTERPRISE & GOVERNMENT DATA CENTER GROUP, INTEL

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FORMER CIO



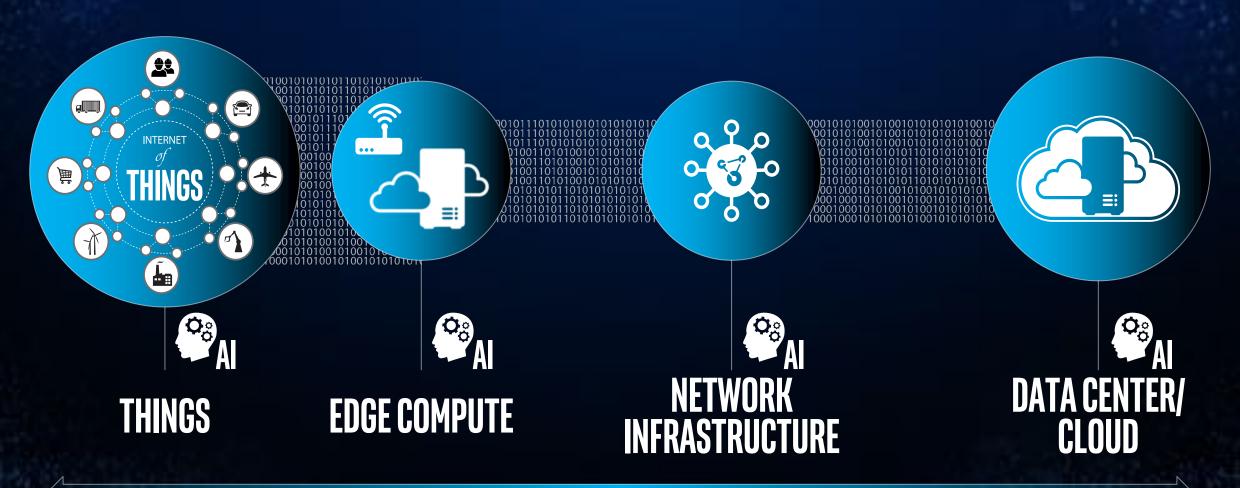




DATA-DRIVEN SERVICES FUEL ORGANIZATIONAL GROWTH



"EDGE" DATA CREATING WAVE OF END-TO-END IMPLICATIONS



SECURITY, COMPLIANCE, REGULATIONS

VET... 55% of companies are struggling in their digital transformation efforts¹

SILOED DATA | TECHNICAL DEBT | COMPLEX WORKLOADS

INTELLIGENT DIGITAL SERVICES INFRASTRUCTURE

CUSTOMER LENS







MINDSET & GOALS

SIMPLICITY

MODERNIZED IT-AS-A-SERVICE **AGILE & FLEXIBLE**

POWERED BY
SOFTWARE DEFINED
INFRASTRUCTURE

SCALABLE

UNIFIED HYBRID,
MULTI CLOUD DATA
ECONOMY

NEW ERA OF DATA-CENTRIC TECHNOLOGY



DATA-CENTRIC INFRASTRUCTURE

MOVE FASTER







STORE MORE





PROCESS EVERYTHING







THE CIO'S IMPERATIVES







STRATEGY + CULTURE + PEOPLE

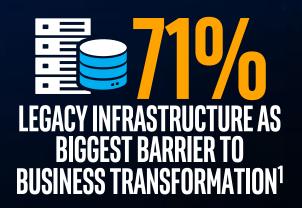
AGING INFRASTRUCTURE



AVERAGE SERVER AGE² HAS INCREASED BY 30%

~5 years **2015**

7 years2017



MODERNIZATION SOLUTIONS WITH CDW





HYBRID & MULTI CLOUD

MULTIPLE CLOUDS DRIVE MISSION SUCCESS



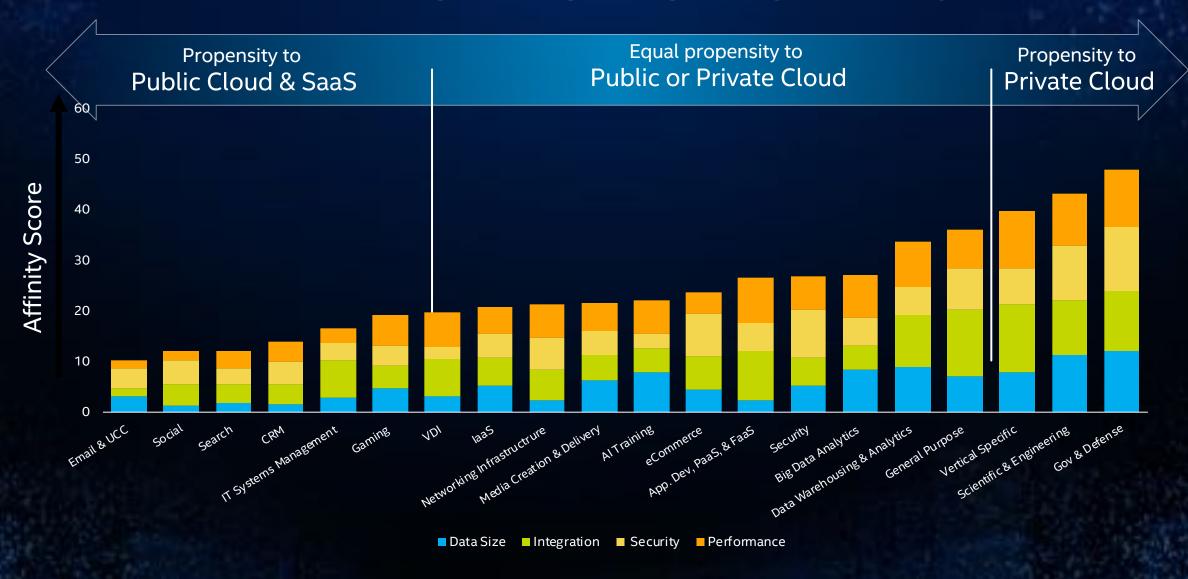
of organizations using multi-cloud environments¹

BOTH PUBLIC AND PRIVATE CLOUD CAN MAKE SENSE FOR DRIVING STRONG RESILIENCE AND UPTIME.

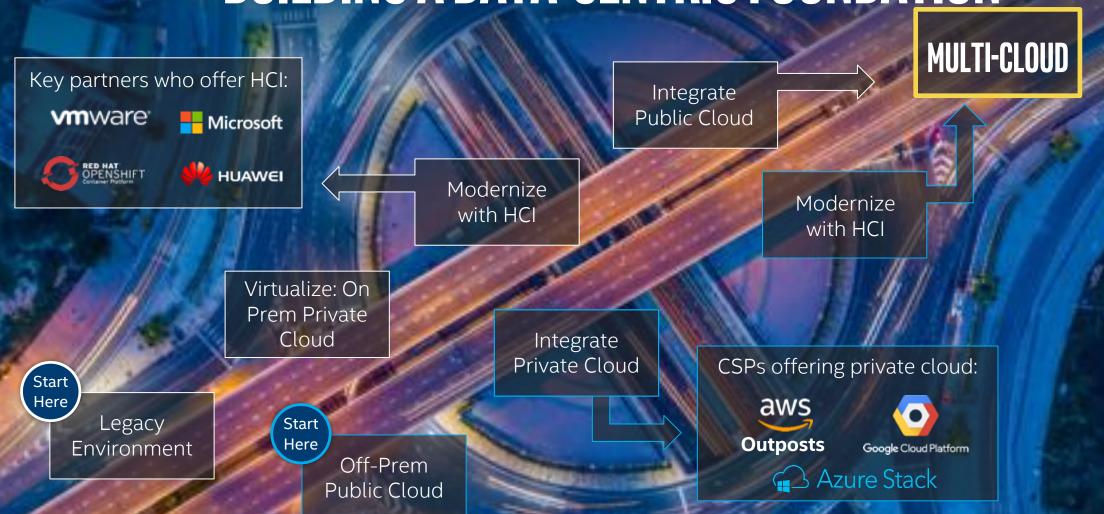
A Holistic Cloud Strategy should:

- Drive faster time to deployment
- Optimize performance and availability
- Provide control, transparency and compliance
- Enable app portability and consistency

INTEL® AFFINITY MODEL FOR WORKLOAD PLACEMENT



BUILDING A DATA-CENTRIC FOUNDATION



MODERN DATA CENTER SOLUTIONS



SOLUTIONS

- vSphere
- vSAN
- NSX
- VMware Cloud Foundation



SOLUTIONS

- Windows Server
- WS2D & WSSD
- SQL Server
- Azure Stack



SOLUTIONS

- Red Hat OpenShift Container
- Red Hat HCI
- Red Hat Cloud Forms Satellite
- Red Hat NFVi
- IBM Cloud Private



SOLUTIONS

- Nutanix Hyper converged
- Cisco Hyperflex
- HPE Simplivity

INDUSTRY-LEADING SOLUTIONS OPTIMIZED FOR INTEL® ARCHITECTURE

BROADEST ECOSYSTEM SUPPORT

SYSTEMS AND SOLUTIONS PROVIDERS

































































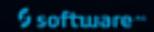


















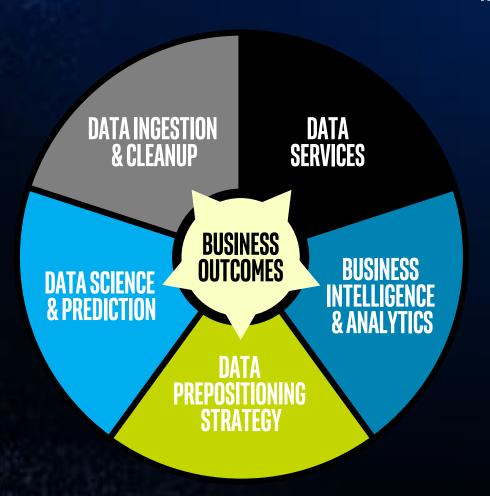
• Other names and brands may be claimed as the property of others

MASSIVE AMOUNTS OF UNDERUTILIZED DATA

OF ALL DATA IS EVER ANALYZED AND USED

ANALYTICS & AI STRATEGY

ACCELERATE YOUR INSIGHTS



By 2020, enterprises need analytics to be 75% faster and

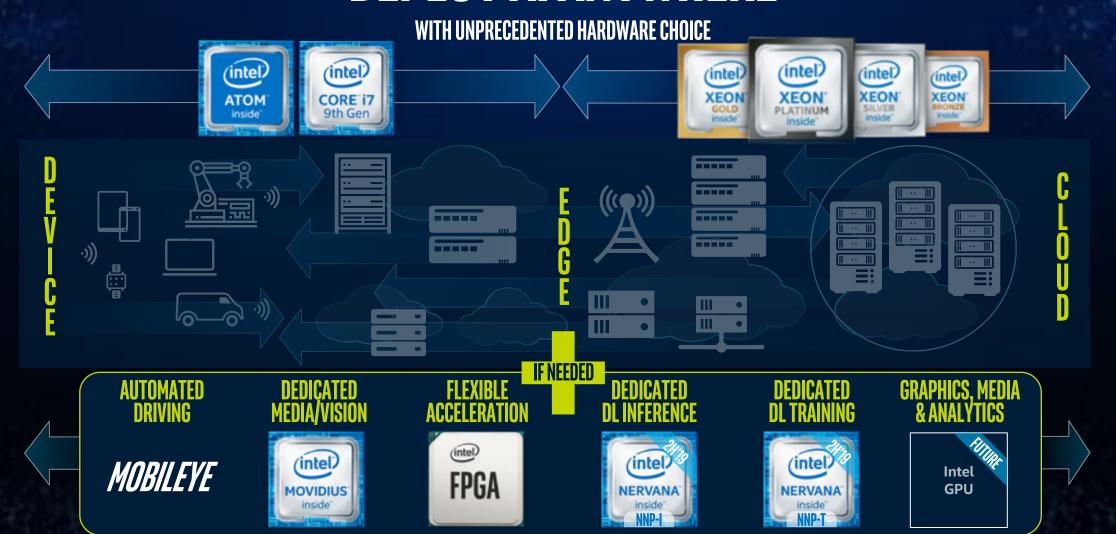
2x more sophisticated¹

ORGANIZATIONAL NEEDS SHOULD INFORM AI STRATEGY AND INFRASTRUCTURE INVESTMENTS.

Build an Analytics & Al Platform that ensures:

- Performance & scalability
- Agility
- Consistency
- Security

DEPLOY AI ANYWHERE



[•] All products, computer systems, dates, and figures are preliminary based on current expectations, and are subject to change without notice.

FUTURE-READY STORAGE

AGILE, EFFICIENT, ACCESSIBLE



DRAM
HOT TIER

IMPROVE MEMORY CAPACITY
IMPROVE SSD PERFORMANCE

3D NAND SSDWARM TIER

DELIVER MORE EFFICIENT STORAGE

HDD / TAPE
COLD TIER

94%

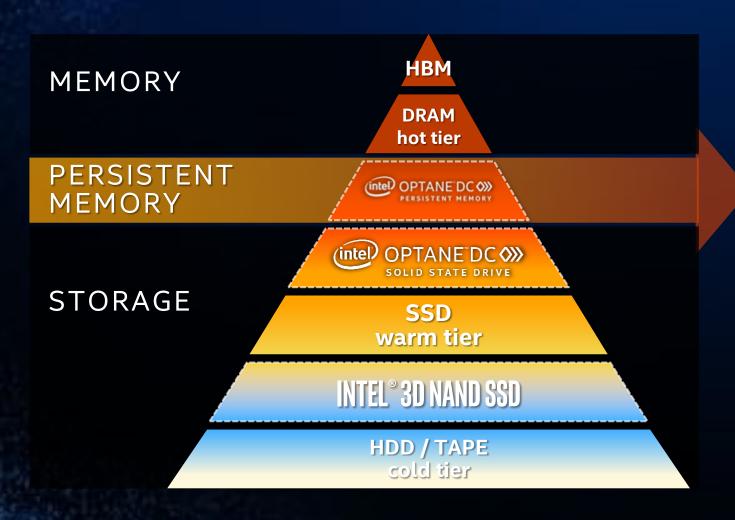
of organizations have a plan to adopt software-defined storage¹

UN-TIERED DATA IN LEGACY SILOS IS INEFFICIENT TO SUPPORT DATA GROWTH AND DRIVE BETTER DECISION MAKING.

Storage infrastructure needs to:

- Pre-position data for ready use
- Scale to meet mission needs
- Drive higher dependability
- Enable faster time to insights

CONVERGING THE MEMORY / STORAGE HIERARCHY





- ✓ BETTER PERFORMANCE
 - ✓ HIGHER CAPACITY
 - ✓ NEW USAGE MODELS

BIG MEMORY BIGGER INSIGHTS

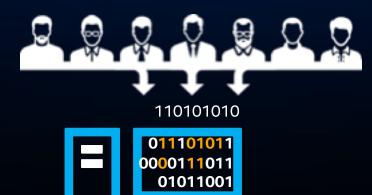
THREE FORCES IMPACTING DATA CENTER SECURITY

EXPANSIONOF ATTACK SURFACE



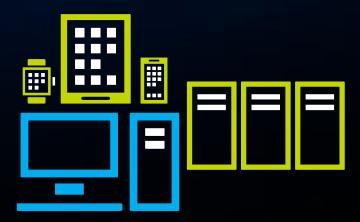
Billions of connected devices and the move to the cloud





Criminal sophistication and evolving intent to get to your data

FRAGMENTATION OF SOLUTIONS



Thousands of products from hundreds of vendors

INTEL'S DATA CENTER SECURITY STRATEGY

EFFECTIVE SECURITY IS BUILT ON A FOUNDATION OF TRUST



VISIBILITY/ CONTROL

WITHOUT COMPROMISING

SECURE THE PLATFORM

PROTECT THE DATA



PERFORMANCE

END-TO-END SECURITY SOLUTIONS









REAL WORLD EXPERIENCES







STRATEGY + CULTURE + PEOPLE

REAL WORLD EXPERIENCES



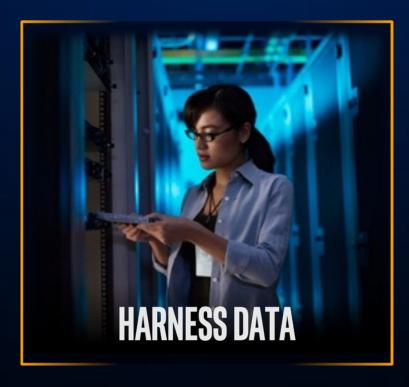




STRATEGY + CULTURE + PEOPLE

CALL TO ACTION







DRIVE FUTURE-PROOF TRANSFORMATION NOW

INTEL: 50 YEARS OF INNOVATION



Gordon Moore authors paper predicting the rate of growth of IC components in Electronics magazine. His observation was later termed 'Moore's Law'



FIRST MICROPROCESSOR

Intel's Ted Hoff invents the first microprocessor (called the 4004, 2300 transistors)



5.5 MILLION TRANSISTORS

Intel introduces Intel® Pentium® Pro processor (5.5 million transistors)



ENCRYPTION

Intel Xeon Processor 6500/7500 Series, Intel Xeon Processor E7-8800/4800/2800 Product Families



VIRTUALIZATION

Dual-Core Intel® Xeon® Processor 5000 Series, Dual-Core Intel Xeon Processor LV and ULV, Dual-Core Intel Xeon Processor 5100 Series



42 MILLION TRANSISTORS

Intel introduces Intel Pentium 4 processor (42 million transistors)



1ST CLOUD CUSTOM CPU VISUAL CLOUD, STORAGE

Intel Xeon Processor E5-4600/2600/1600 Product Families



DATABAS

Intel Xeon Processor E7-8800/4800 v3 Product Families



AI, NETWORK & HPC

Intel Xeon Processor E3-1200 v5 Product Family

YOUR TRUSTED INNOVATION PARTNER

WHY INTEL







SUPPORT PLATFORM HW & SW ENABLING

SW TOOLS & COMPILERS

INVESTMENT IN OPTIMIZED PLATFORMS - 15,000 INTEL SW ENGINEERS

