



**Hewlett Packard
Enterprise**

HPE Overview

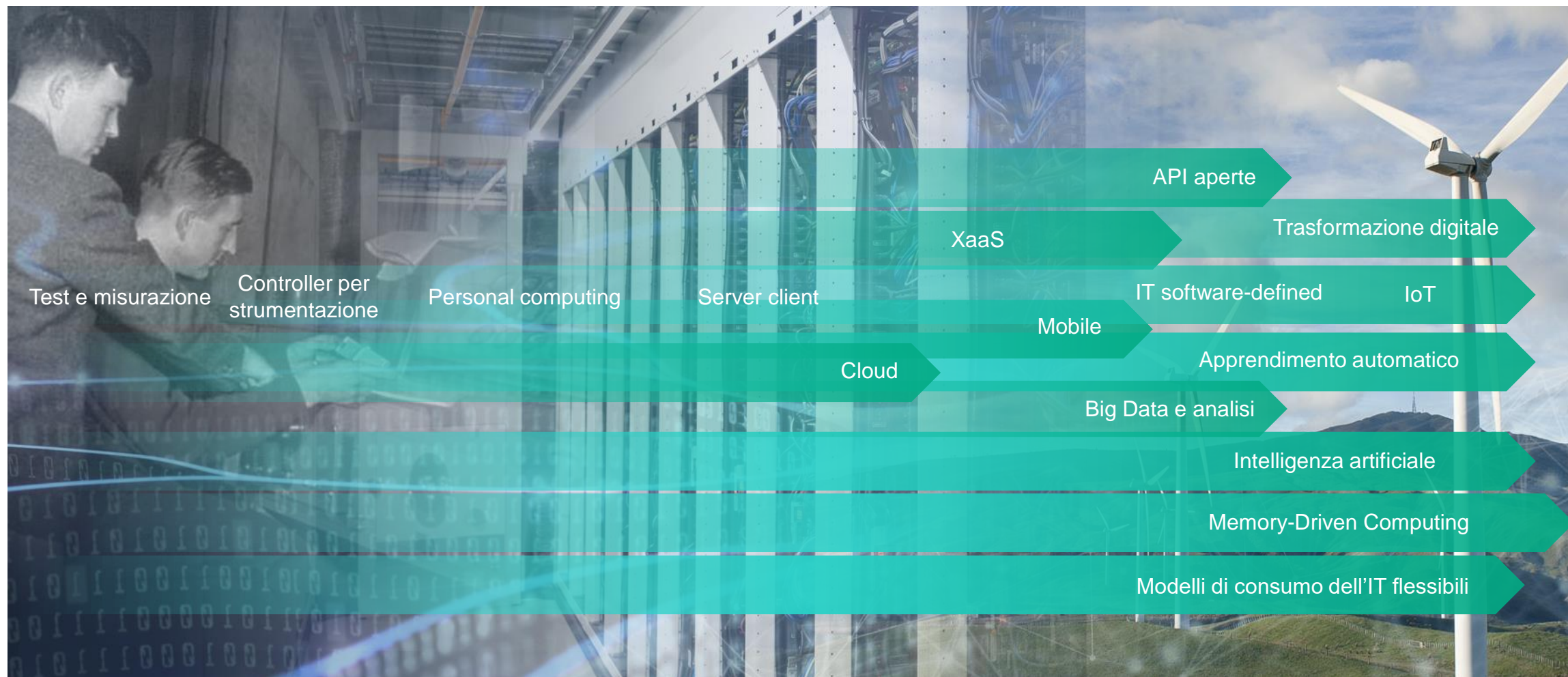
Alessandro Pegoraro

Tommaso Bellomo

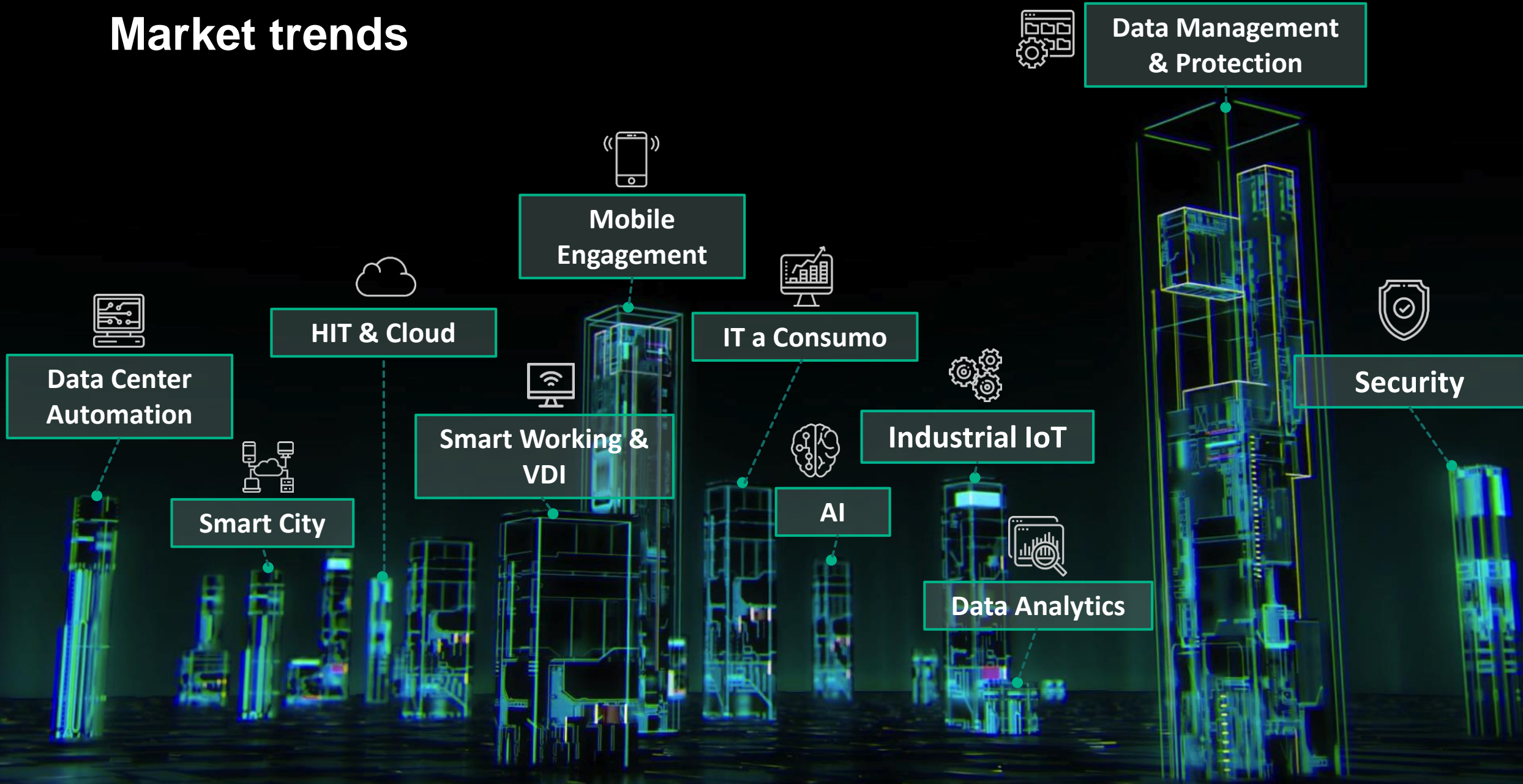
19 Settembre 2019 – ALSO meeting

L'innovazione è nel nostro DNA

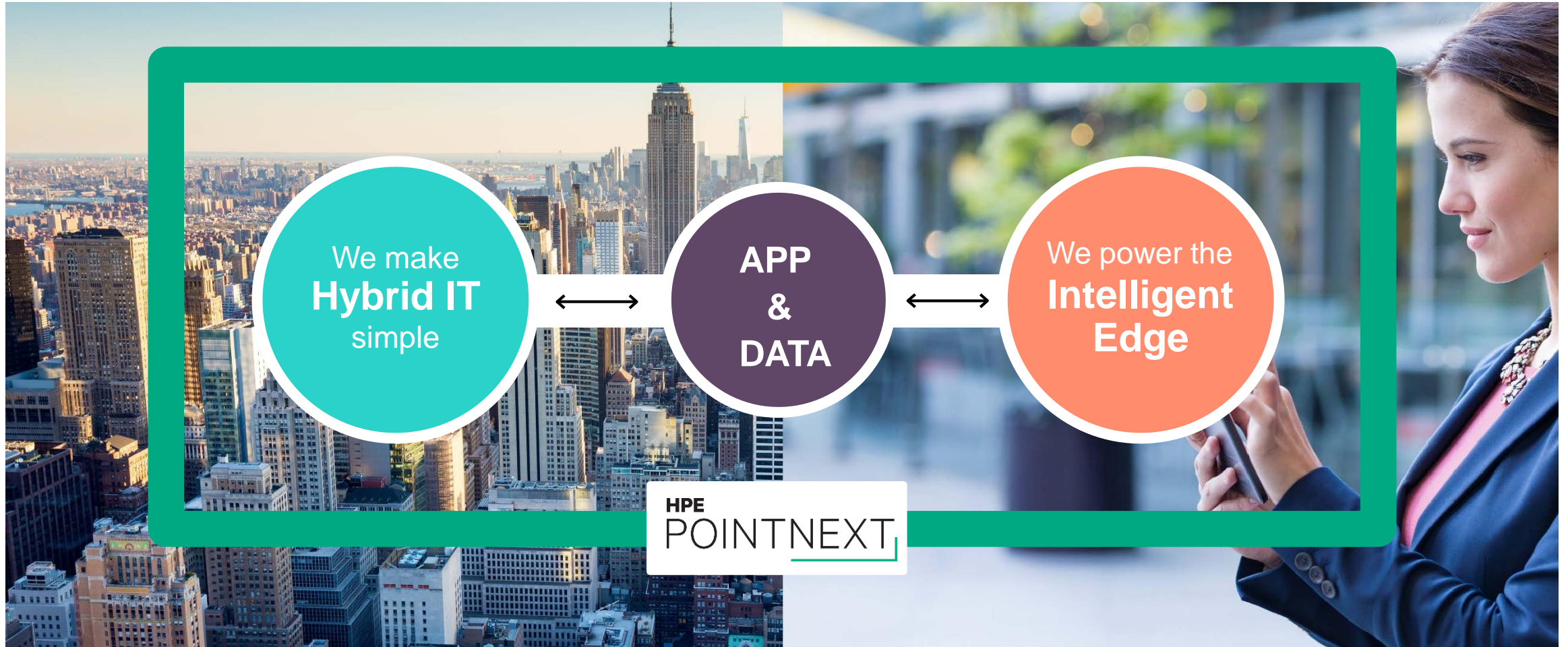
Da 80 anni diamo nuovo impulso alle applicazioni e ai dati in tutto il mondo

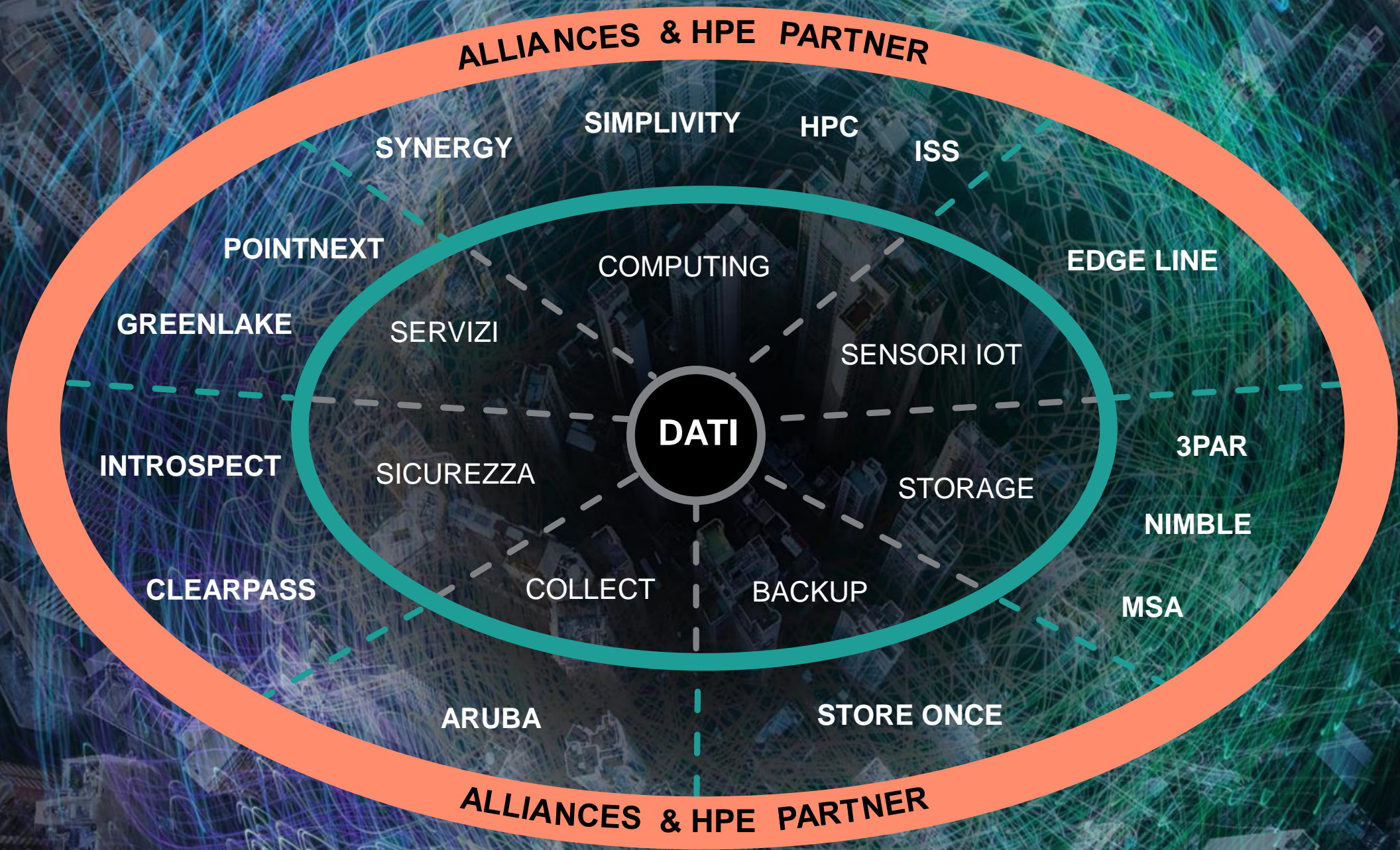


Market trends



We improve the way people live and work





ALLIANCES & HPE PARTNER

ALLIANCES & HPE PARTNER

DATI

SYNERGY

SIMPLIVITY

HPC

ISS

POINTNEXT

COMPUTING

EDGE LINE

GREENLAKE

SERVIZI

SENSORI IOT

INTROSPECT

SICUREZZA

STORAGE

3PAR

CLEARPASS

COLLECT

BACKUP

MSA

ARUBA

STORE ONCE

NIMBLE

Accelerating our strategy with Partnerships

Innovations

Composable Infrastructure
Industry-standard compute
Secure compute experience

All-Flash Storage
In-memory analytics
Memory-Driven Computing

Mobile-First Wireless
Edge Computing
Location-based Services

Recent acquisitions



Hybrid Cloud

AI & Advanced Analytics

Redefining experiences at the Edge

Expanded Partnerships



Hewlett Packard Enterprise: At a glance

People

Values

Quality

Market leadership

Living Progress

Revenue

HPE Market Leadership

Servers¹

- #1 x86 blade server revenue
- #1 Modular server revenue
- #1 Four-socket x86 server revenue
- #1 Mid-Range Enterprise x86 server

Storage²

- #1 Product brand worldwide midrange SAN revenue :
HPE 3PAR StoreServ
- #1 Worldwide Internal OEM storage revenue

High Performance Compute³

- #1 HPC Server Revenue³
- Provider of Top500 energy efficient supercomputers

Hyperconverged Infrastructure⁴

Fastest growing HCI systems vendor of the top 3, growing YoY and faster than overall market

Enterprise WLAN⁵

- #2 Worldwide Enterprise WLAN Vendor

Campus Switching⁶

- #2 Worldwide Enterprise WLAN Vendor

HPE Named Leader⁷

Gartner:

- 2018 Magic Quadrant for [Wired and Wireless LAN access](#)
- 2018 Magic Quadrant for [Operations Support Systems](#)
- 2018 Magic Quadrant for [Hyperconverged Infrastructure](#)
- Highest Scores in 5 out of 6 Gartner use cases for [Critical Capabilities for Wired and Wireless LAN Access Infrastructure](#)

Forrester:

- Q3-18 The Forrester Wave: [Hyperconverged Infrastructure](#)

IDC:

- IDC [MarketScape for Wireless LAN](#)

InfoTech Research Group:

- HPE Aruba “Champion [Wired and Wireless LAN Vendor Landscape](#)



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HPE Update

Alessandro Pegoraro

Tommaso Bellomo

19 Settembre 2019 – ALSO meeting

What if you could have both agility and resiliency for your mission critical apps?



MANAGE
NIMBLE STORAGE



PREDICT & PREVENT
APP DISRUPTIONS
INFOSIGHT



CONSOLIDATE
WITHOUT RISK
3PAR STORAGE

HPE PRIMERA

World's MOST intelligent storage for mission critical apps

NEW



On-Demand
Experience

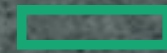
App-Aware
Resiliency

Predictive
Acceleration



100% Availability Guaranteed Standard for Everyone.

No special contract. No restrictive terms. No more downtime.



Hewlett Packard
Enterprise

HPE SimpliVity

TAME I.T.

HPE Discover 2019 – biggest SimpliVity announcement ever!

NEW

HPE SimpliVity 325



- Powered by ProLiant DL325 and AMD EPYC™
- 1-socket with support for 16 to 32 cores
- All-flash XS and S configurations
- Memory up to 2TB
- 100% Software Optimized
- Ideal for ROBO, Edge, and SMB deployments

HPE SimpliVity 380 Gen10 Software Optimized



- Same CPU and memory configurations as SimpliVity 380 Gen10
- Tiered RAID configuration
 - Tier 1: RAID 10
 - Tier 2: RAID 5
- 100% Software Optimized
- 25% more usable capacity than a SimpliVity 380 (small) for the same SW license price

HPE SimpliVity 380 Gen10 Hybrid Backup and Archiving Node



- Same CPU and memory configurations as SimpliVity 380 Gen10
- Hybrid LFF storage configurations
- 100% Software Optimized
- Ideal for Archive, Backup and DR use cases

InfoSight for HPE SimpliVity Intelligence changes everything



HPE InfoSight™ Dashboards Infrastructure Resources Organization

HPE SimpliVity **Data Centers** Clusters HPE OmniStack Hosts Virtual Machines

View **Data Center List** For **All Data Centers**

Sort Data Centers by: **Name** [Download CSV](#)

Dallas 0

1 Cluster | 3 Hosts | 11 Virtual Machines Depleted Clusters

Data Stored 241.7 TiB

Used Physical Space 3.7 TiB (47.14%) 7.9 TiB

Capacity Savings 238.0 TiB

Melbourne 0

1 Cluster | 2 Hosts | 5 Virtual Machines Depleted Clusters

Data Stored 223.4 TiB

Used Physical Space 3.8 TiB (27.5%) 13.8 TiB

Capacity Savings 219.6 TiB

SimpliVity 0

1 Cluster | 2 Hosts | 10 Virtual Machines Depleted Clusters

Data Stored 265.8 GiB

Used Physical Space 49.1 GiB (0.24%) 19.8 TiB

Capacity Savings 216.7 GiB

1 - 3 of 3 < >

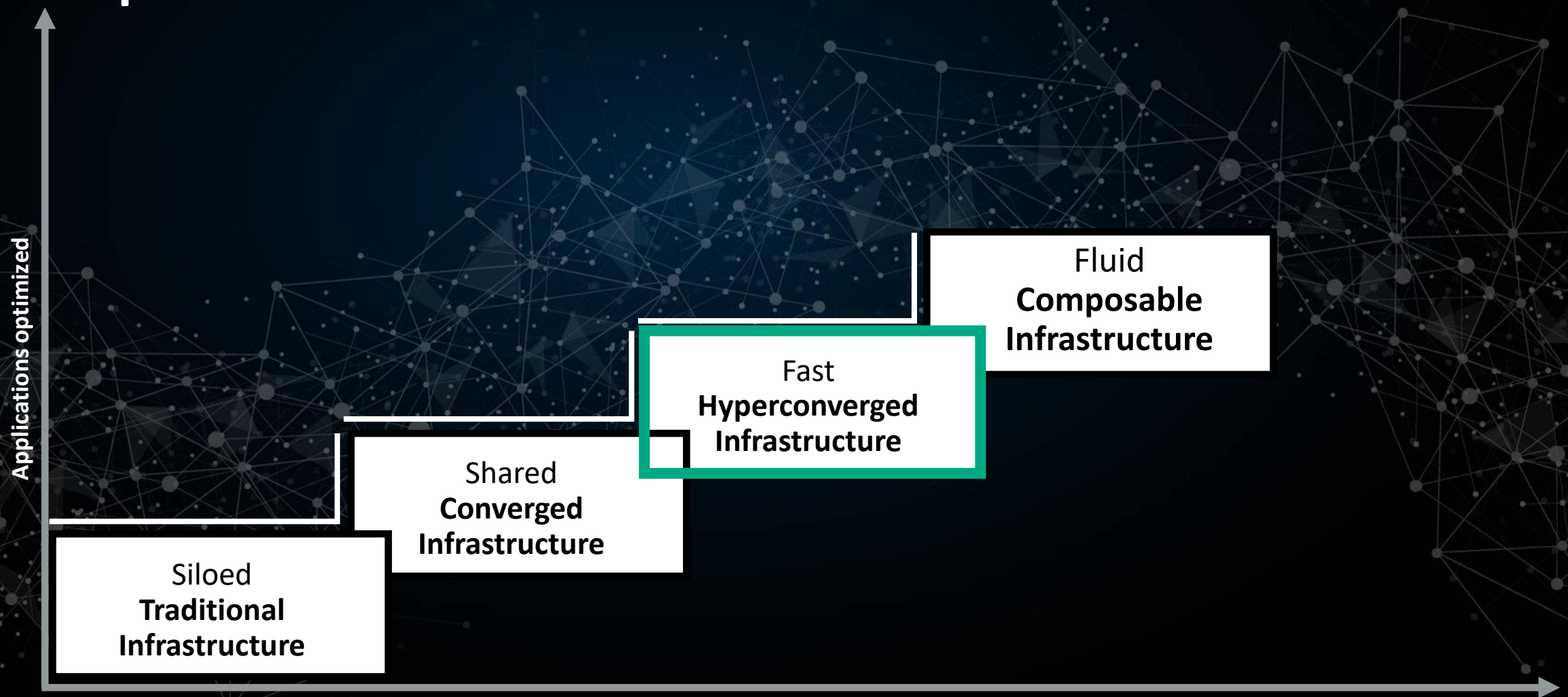
Mumbai_Cluster_1	95	56.3 TiB	167.8 TiB	576.2 TiB	602.1 TiB	39.6 TiB (6.5%)	72.1 TiB	72.1 TiB	2.8	12.2	19.0 TiB	570.9 TiB
Mumbai_Cluster_2	98	48.4 TiB	137.8 TiB	1.0 PiB	1.2 PiB	36.7 TiB (68.3%)	72.1 TiB	72.1 TiB	1.5	23.7	36.4 TiB	1.2 PiB
Seattle_Cluster_1	89	37.5 TiB	100.1 TiB	52.0 TiB	189.6 TiB	17.8 TiB (25.5%)	72.1 TiB	72.1 TiB	1.7	6	10.4 TiB	172.0 TiB
Seattle_Cluster_2	110	41.7 TiB	101.9 TiB	158.8 TiB	303.3 TiB	23.3 TiB (51.3%)	72.1 TiB	72.1 TiB	5.6	9.7	15.2 TiB	280.7 TiB

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Extending our composable strategy to make Hybrid cloud

Evolving from composing infrastructure to composing workloads across hybrid cloud

Simple



HPE Nimble Storage dHCI

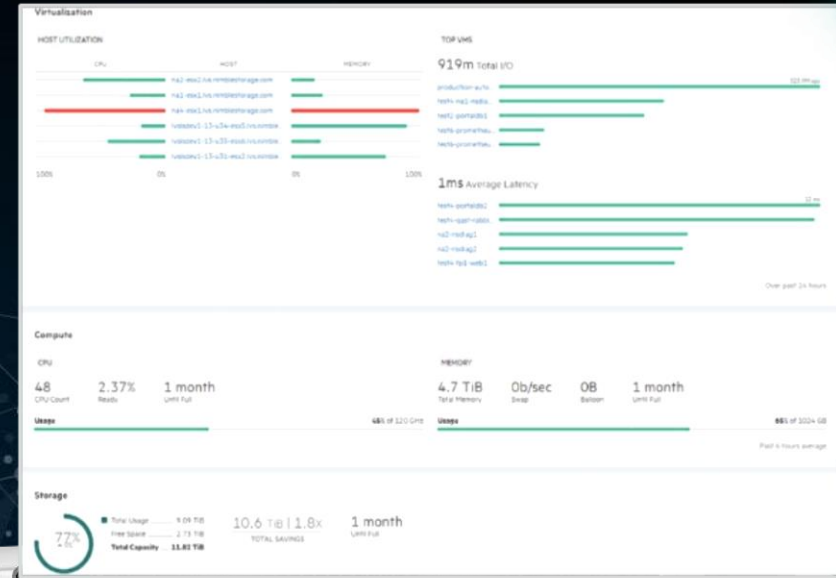
Flexibility of Converged. Simplicity of HCI.

NEW

Intelligently
Simple

Absolutely
Resilient

Efficiently
Scalable



Integrated Systems Portfolio

Mission Critical
Performance-Intensive
Virtualized, Baremetal

Large Scale



The diagram for Large Scale shows three 4x4 grids of VMs. The first grid is on the left, the second in the middle, and the third on the right. Below the middle and right grids are logos for VMware, Microsoft, and Oracle respectively.

Business Critical
Performance-Intensive
Virtualized Only

Medium Scale



The diagram for Medium Scale shows two 4x4 grids of VMs. The first grid is on the left and the second is on the right. Below the first grid are logos for VMware and Microsoft. Below the second grid are logos for VMware and Microsoft.

General Purpose
Virtualized Only

Small Scale



The diagram for Small Scale shows a single 4x4 grid of VMs. Below the grid are logos for VMware and Microsoft.

Synergy+Primera

Nimble Storage dHCI

SimpliVity

* Scale is based on # of VMs supported

Hyperconverged Experience for Every VM

How to help customers decide between SimpliVity or Nimble Storage dHCI

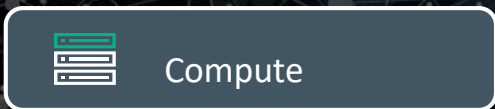
SimpliVity



Requirements

- Predictable growth of CPU and capacity
- Optimized for ROBO and distributed environments (HA in 2 nodes vs Nutanix/vSAN)
- Physical space constraints
- Multi-hypervisor support

Nimble Storage dHCI



Requirements

- Unpredictable growth with independent scaling
- App consolidation with higher resiliency and performance at scale
- Performance intensive with high IOPS requirements
- Latency sensitive with sub-ms response requirements

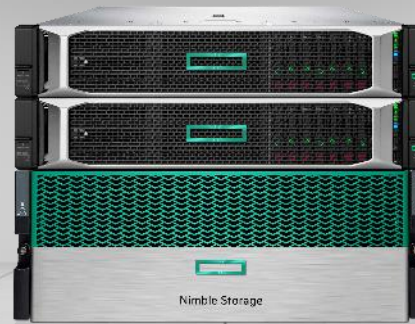
Workload-optimized systems for your private cloud

HPE SimpliVity



Simplest HCI for edge, ROBO, and general purpose workloads

New HPE Nimble Storage dHCI



Disaggregated HCI for flexible scaling and business-critical workloads

HPE Composable Cloud



Most flexibility for any workload at any scale and any SLA



Grazie