Hewlett Packard Enterprise

HPE GreenLake Solutions for SAS

Anshul Nagori, WW Technical Marketing Engineer, HPE
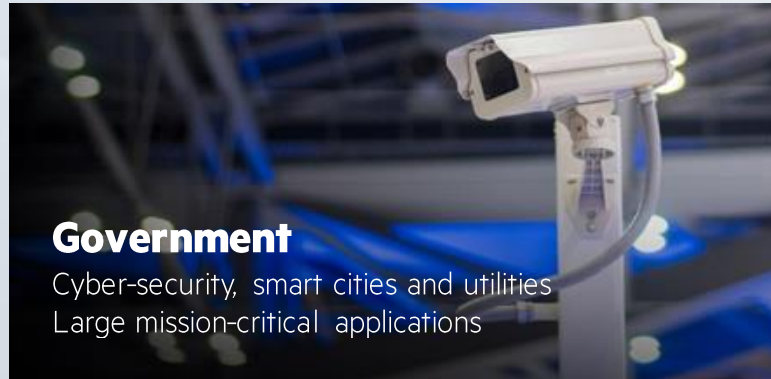SAS Explore
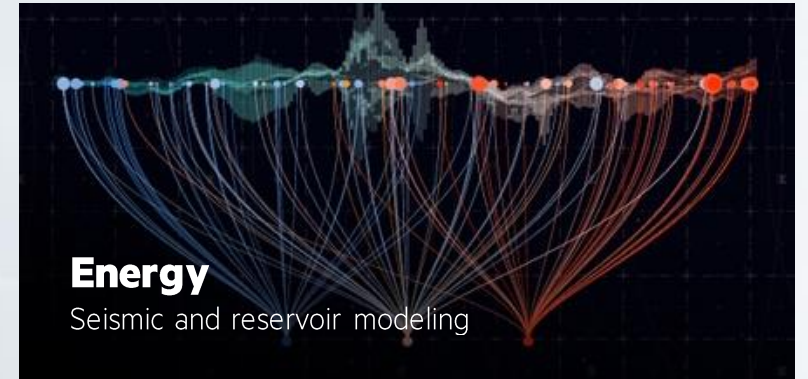Sept 2023

Financial services
Fraud detection, ID verification

Government
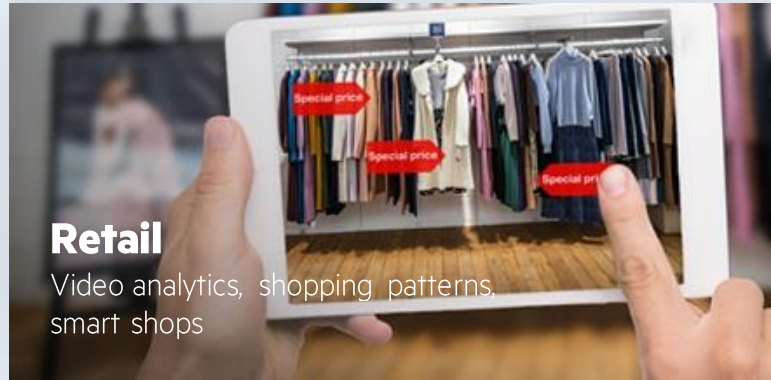Cyber-security, smart cities and utilities
Large mission-critical applications

Energy
Seismic and reservoir modeling

Data is the
lifeforce

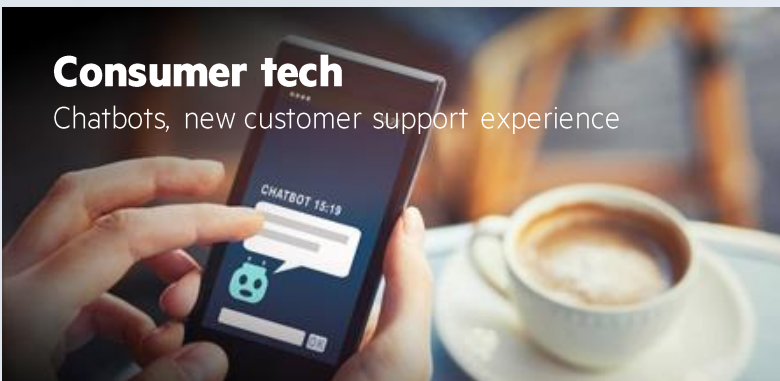Source: 451, 2022 Trends in Data, AI & Analytics

Retail
Video analytics, shopping patterns,
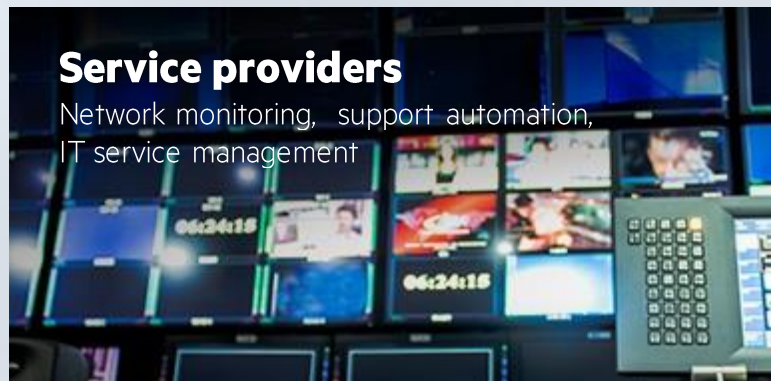smart shops

Health
Personalized medicine,
image analytics

Consumer tech
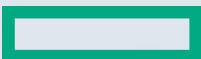Chatbots, new customer support experience

Service providers
Network monitoring, support automation,
IT service management

Manufacturing
Quality control, video analytics
and prescriptive maintenance

The world is hybrid
but the true cloud experience is not everywhere

70%

30%

Multi-gen IT | Data sovereignty | Security & Compliance |
Data costs and control | Latency, real-time decision making

Speed | Agility | Self-serve | Pay-per use

Edge locations

Private data center

Colocation facilities

Public clouds

aws

Microsoft Azure

Google Cloud

Alibaba Cloud

Source: Q2 Cloud Pulse Survey, July 2022, IDC

What holds you back?

Data and infrastructure complexity
Impedes data-first modernization—edge to cloud

| Complex management | Infrastructure silos | Inefficient scaling | Price performance tradeoffs |

Complete your hybrid strategy with

HPE ▬▬
GreenLake

Cloud that comes to you
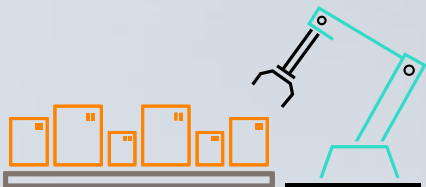
| Delivers a **catalogue of services** from HPE and partners | **+** | Through a secure, open edge to cloud **platform** | **+** | Modernizes IT and operations for your **apps and data** |

←———— Self-serve **|** Pay-per use[1] **|** Scale up and down **|** Managed your way ————→

Edge locations   **Private data center**   **Colocation facilities**   **Public clouds**

aws   Microsoft Azure   Google Cloud

1   Reserve may apply

HPE GreenLake

Platform services

Connect

Process

Protect

Orchestrate

Networking
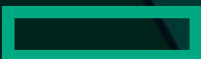SD-WAN, switched, wireless

Computing
Rack-mount, HCI, HPC, super-computer

Storage
Block, file, object, backup & recovery

Workload
VMs, containers, bare metal

One unified platform to run, manage and secure your distributed enterprise

HPE Solutions for SAS | At a Glance

- Large block, sequential I/O
- Throughput-based sizing
- >150 MB/sec/core throughput requirement

#1
SAS leads advanced and predictive data analytics market with 28% share

40%
SAS deployments on HPE

HPE Superdome Flex 280

HPE Synergy

HPE ProLiant DL servers

29 GB/s

HPE Alletra 9000

20 GB/s

HPE Primera

13 GB/s

HPE Alletra 6000

SAS Viya
Red Hat OpenShift
vmware

HPE Alletra 9000

36
years of HPE and SAS partnership
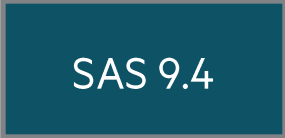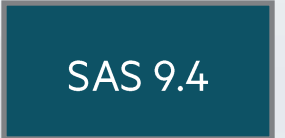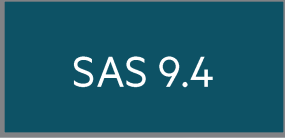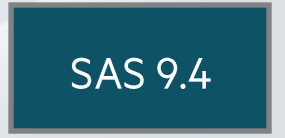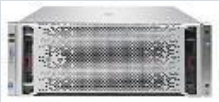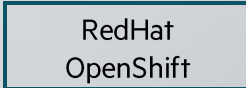
100s
joint customers

Anshul Nagori: WW Tech Marketing Engineer, HPE Storage
Tilman Walker: Director, HPE Storage Solutions
Rob Hazen: HPE Alliance Manager for SAS

Bob Augustine: HPE Element
Mark Barnum: HPE GreenLake Cloud Services
Rakesh Varma Bhupatiraju: HPE Element

SAS Solutions with HPE GreenLake Compute & Storage

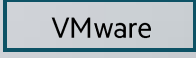| SAS 9.4	SAS 9.4	SAS 9.4	SAS 9.4	SAS 9.4	SAS Viya	SAS 9.4
4 x HPE DL 580	HPE SD Flex 280	3 x HPE DL 560 G10	HPE ProLiant DL380	HPE ProLiant DL380	6 x HPE ProLiant DL380	8 x HPE ProLiant DL360
HPE Alletra 9080	HPE Primera 650	HPE Alletra 6070	HPE GreenLake for Block Storage powered by HPE Alletra MP	HPE GreenLake for File Storage powered by HPE Alletra MP	RedHat OpenShift / VMware / HPE Alletra 9080	WEKA / 7 x HPE ProLiant DL360
29 GB/s	**20 GB/s**	**13 GB/s**	**To be tested**	**In Progress**	**In Progress**	**40 GB/s**
Technical paper	Technical paper	Technical paper				Technical paper

All throughput values indicate combined read + write performance values in GB/s.

HPE
GreenLake

Flex Solutions

SaaS

IaaS

- Built on standard modules
- Horizontal and vertical workloads

- Hybrid cloud services
- AIOps and Automation

- Private cloud
- Compute / HPC
- Storage

Managed through ← **HPE GreenLake Edge to Cloud platform** → Runs on

Enabled by HPE Services

HPE GreenLake

Time
80%
shorter time to deploy IT projects[1]

Risk
85%
less unplanned downtime[2]

Cost
45%
Reduced TCO for infrastructure due to eliminated need for overprovisioning[1]

Sustainability
30%
Reduce carbon emissions with less energy use[3]

Simplify IT
65%
Operational savings for IT by reallocating internal IT resources to more strategic business initiatives[2]

1   A commissioned study conducted by Forrester Consulting, The Total Economic™ Impact of HPE GreenLake, May 2022
2   IDC White Paper, sponsored by HPE, The Business Value of HPE GreenLake Management Services, January 2022
3   Based on a recent case study

Thank you

hpe.com/greenlake
Anshul Nagori
See you @ HPE Booth