Hewlett Packard Enterprise

Brochure

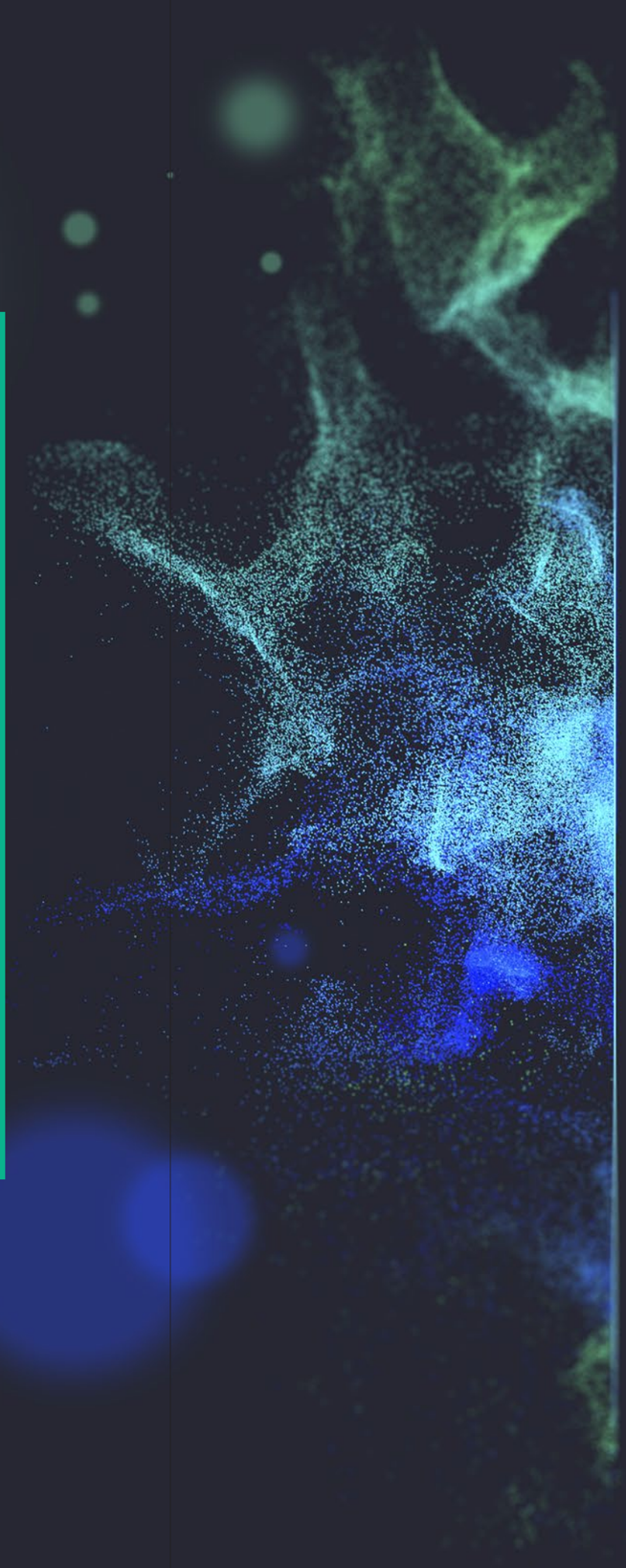
HPE INTELLIGENT DATA PLATFORM

Unleash the power of your data to transform your business

Intelligence Changes Everything

First came the flash era, with its astonishing advances in speed and efficiency. Then we witnessed the cloud era, and its unprecedented agility and “as-a-service” experience. Now it’s time for the era of intelligence — the AI-driven revolution in **infrastructure management and operations combined with AI-enabled insights** that will power businesses into the future.

The era of intelligence will usher in the intelligent enterprise — one that's always-on, always-fast, and always-agile. An enterprise that's built for innovation — ready to unleash new services, revenue streams, and business models.



THE CHALLENGE OF COMPLEXITY

Enterprise infrastructure today has in many ways simply become too complex for humans to manage and operate. Given 100s of workloads across on- and off-prem cloud infrastructures, 1000s of variables involved in optimizing decisions, and massive quantities of data, IT leaders understand that the only practical solution for this level of complexity is to leverage the intelligence of AIOps and machine learning to manage and optimize infrastructure.

INTELLIGENCE PROVIDES THE KEY

MANAGE COMPLEX INFRASTRUCTURE

Even if you enjoy fast, reliable storage, more than 90% of infrastructure issues arise above the storage layer[1], and problems in the server, network, and virtualization layers can still impact application performance and availability. To correlate and pinpoint where issues are occurring within all of these layers requires millions of simulations. This is a problem far too complex for humans to solve.

TAME HYBRID COMPLEXITY

CIOs are looking to build out hybrid clouds for maximum speed, agility, and cost savings. But data center management and operations — often comprising primary, secondary, big data, dev/test, and backup workloads in numerous silos — is complex enough. Introduce cloud infrastructure and even the basic question of where to place a workload for optimal efficiency becomes too difficult to answer.

OPTIMIZE DATA MANAGEMENT

Data today has a lifecycle that stretches across disparate systems: from primary storage to secondary, and then on to backup, archive, dev/test, and analytics. Given the quantity of data, understanding where data should live to be optimized for each stage of its lifecycle — or even how many secondary or backup copies of a dataset exist — gets very complex very quickly.

MINE HUGE DATASETS FOR VALUE

Across industries, a massive storm of data is on the way — Greater than 175 ZBs by 2025[2], and that's just the beginning. How to make sense of it? How to discover hidden insights from that data to drive competitive advantage, or unlock new revenue streams, customer experiences, and business models that can drive business value? This is also where intelligence will make all the difference.

[1] IDC, Server and Storage Availability Survey Results, April 2019

[2] IDC, Data Age 2025 – The Digitization of the World, November 2018

ENTERPRISES NEED AN INTELLIGENT DATA STRATEGY

Data is crucial. As it underpins all the apps that power your business, you'll need an intelligent data strategy to ensure that workloads have the data they need, when they need it. And what does an intelligent data strategy look like? Such a strategy ensures your data is always on and always fast, automated and on-demand, and hybrid by design — so data is accessible and usable across your cloud environments — while also delivering visibility and lifecycle management via global intelligence.

MEET THE INTELLIGENT DATA PLATFORM

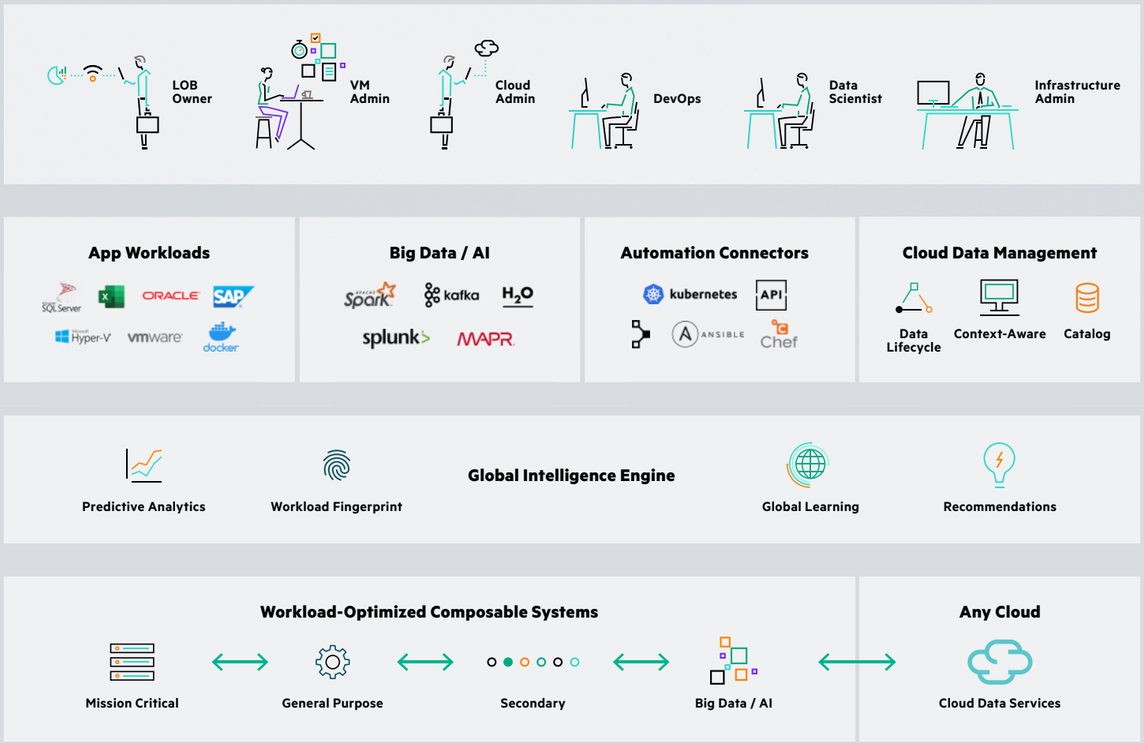
Infrastructure that turns your data challenges into opportunities

4 Everyone benefits from the Intelligent Data Platform. From application workload acceleration, to effortless deployments and scale, to self-service infrastructure, HPE solutions can help propel your business forward.

3 Leverage an API-first strategy that offers pre-built application connectors for a complete as-a-service experience. Enjoy app-aware protection for traditional and modern, new-stack workloads. Build and deliver flexible Big Data and AI pipelines to drive real-time analytics.

2 A Global Intelligence Engine layered across our infrastructure delivers predictive, proactive issue resolution and workload intelligence that provides AI-driven recommendations to keep your environment always-fast and always-optimized.

1 Begin with workload-optimized composable systems for your mission-critical, general purpose, secondary, and big data/AI workloads, and add both cloud data services for true hybrid cloud and fully bi-directional data mobility — so that data can flow seamlessly to where it's needed.



THE FOUNDATION OF THE INTELLIGENT DATA PLATFORM

A comprehensive portfolio that can address any workload

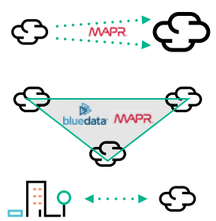
From mission-critical, general purpose, and secondary to backup, Big Data, and AI use cases, our comprehensive portfolio powers all your apps, on- or off-premises in the cloud, with true data portability to support your data lifecycles. HPE InfoSight provides global intelligence across the portfolio and AI–driven optimization guidance, while HPE GreenLake delivers an as-a-service option for consuming HPE infrastructure exactly as you need it.

HPE INFOSIGHT
GLOBAL INTELLIGENCE

Workload-Optimized Composable Systems

Mission Critical	General Purpose	Secondary	AI / Analytics
HPE Primera, HPE 3Par	HPE Nimble Storage, HPE SimpliVity	HPE Recovery Manager, HPE Nimble Hybrid, HPE StoreOnce	HPE BlueData, MapR, Apollo

Any Cloud

Edge	Private Cloud		Hybrid Cloud
			
HPE SimpliVity, MapR	HPE SimpliVity, HPE Nimble Storage dHCI, HPE Primera + HPE Synergy		HPE BlueData, MapR, Cloud Volumes, Cloud Bank

HPE GREENLAKE
AS - A - SERVICE

A DATA PLATFORM BUILT FOR THE ERA OF INTELLIGENCE

The HPE Intelligent Data Platform will power your business with AI-driven insight, cloud-model agility, and a simple, as-a-service experience.

AI-DRIVEN

Forget the burden of managing and operating infrastructure — and focus instead on innovating for the business. AI powers unprecedented performance and availability while lowering risk and driving innovation through insight into data.

BUILT FOR CLOUD

Enable seamless data and workload mobility across your hybrid cloud. Run any workload, anywhere your business demands, with full lifecycle management and protection for your data.

AS-A-SERVICE

Deliver an as-a-service experience to your teams. Achieve business agility goals via built-in automation, and enjoy flexible consumption models so you pay only for what you use. Become your own service provider within your data center!

Hewlett Packard
Enterprise

© Copyright 2019 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

a00092436enw, November 2019