**Hewlett Packard Enterprise**

# Optimize data delivery with all-flash analytics

## Optimize Analytics with All-flash Arrays

Accelerate decision making with a scalable, data-centric foundation for high-performance, right-sized analytics

**Optimize Analytics with All-flash Arrays** provides a scalable, high-performance analytics platform for scaling analytics users, creating all-flash data lakes to accelerate batch processing, and enterprise right-sizing analytics initiatives.

- Empower your users with fast, easy access to actionable insights for better, more informed decision making.

- Create high-speed, enterprise data repositories and reduce costs by moving off expensive, proprietary EDWs.

- Turbocharge NoSQL analytics workloads optimized for all-flash.

- Right size your analytics environment to keep up with exponential increases in data volumes and LoB demand.

- Accelerate time-to-information with a high-performance, integrated, analytics infrastructure.

- Modernize analytics infrastructure for high-speed, high-capacity, data processing while reducing TCO.

- Mitigate risk with assured business continuity for always-on access.



### Accelerate time-to-information

With the exponential increase in the volume, variety, and velocity of data, the need to find new ways to ingest, process, and analyze the data to enable better, more informed decision making is greater than ever before. One of the options for accelerating time-to-information is flash storage.

Falling prices and lower-cost, higher-density options are making flash more affordable than ever. Compact, energy-efficient, low latency, and predictable performance means that flash is quickly becoming mainstream when compared to spinning disks.

**Optimize Analytics with All-flash Arrays** enables you to maximize your investments in high-performance data analytics that ensure predictable, high-performance data processing with a quick, easy migration with reduced risks and lower costs.

It's ideal for IT organizations that want to take advantage of deep engineering integration for analytics with the scalability, parallel processing, low-latency resources, and fine-tuned data capabilities of SAS Foundation Suite.

77% of decision makers require information in real time.[1]

[1] **Cap Gemini Paper: Big & Fast Data: The Rise of Insight-Driven Business Insights at the Point of Action will Redefine Competitiveness, 2015**

**50%**

of businesses believe that remaining competitive requires becoming a more data-driven organization.[2]

**43%**

of organizations have difficulty accessing data from different areas of the business.[2]

**28%**

of businesses report that the pace of business exceeds their ability to analyze data.[2]

[2] **Winter is not coming: Eliminating Data Silos and Ending Information Hoarding, Aberdeen Group, November 2015**

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# Enable transformation

**Optimize Analytics with All-flash Arrays** leverages the power of HPE infrastructure and the capabilities of in-memory technologies to deliver a scalable, high-performance, data-centric foundation for optimized and right-sized analytics environments. It's designed to maximize existing investments and meet the performance, scalability, reliability, and availability requirements of the idea economy at the speed of business.

One representative use case for this solution is leveraging the analytics power of SAS Foundation Suite. It provides useful advanced analytics, multivariate analyses, business intelligence, data management, and predictive analytics that typically drives value in enterprise environments.

SAS in-database solutions execute data management and analytic tasks inside the database. This promotes data consistency by reducing unnecessary data movement. Deploying SAS solutions on HPE platforms with server-side PCIe flash storage allows you to deploy predictive models and get results much faster. The ability to quickly deploy and scale new analytic models frees IT to focus on delivering new innovative solutions to solve business problems.

# Increase agility for faster time-to-information

**Optimize Analytics with All-flash Arrays** enables you to simplify and optimize your core infrastructure to leverage evolving data sources, thereby enabling the business to become more agile and innovative, create and maintain competitive differentiation, and drive business growth.

### High-performance analytics
Gain rapid access to actionable information by using flash to process large data sets in-memory. Peak input/output performance accelerates speed to insight for better, more informed data-driven decision making.

### Right-sized analytics
Quickly build or right-size a data-centric foundation optimized for scale, flexibility, reliability, and value. Maximize your existing investments and rapidly unlock value to create competitive differentiation and empower users with fast, easy access to actionable insights.

### Reference architecture for accelerated time-to-value
Get a jump start in keeping up with exponential increases in data growth with a pre-integrated solution that allows you to quickly scale in line with your information requirements.

### Simple, scalable performance with low-latency resources
Meet your most demanding database requirements with up to 20 TB of server-side flash storage and the ability to scale to 7.9 GB throughput per second. Scale continuously with the addition of HPE 3PAR All-flash StoreServ up to 60 PB.

### Complete portfolio of expert services
Leverage the expertise and experience of HPE Technology Services or one of our qualified HPE partners to quickly take advantage of the opportunities your data offers.

# Deliver business agility and drive growth

Maximize your investment in high-performance data analytics with **Optimize Analytics with All-flash Arrays**—a tried and tested reference architecture for ensuring predictable analytics with a quick, easy migration, reduced risk, and lower costs.

Learn more at
**hpe.com/empower**