SOLUTION BRIEF

Enhance IT Operations Analytics

Speed insights at any scale with Pure Storage®.

Powerful innovations in data analytics and AI change expectations for IT operations. The analysis of log and event data from IT systems and software is driving new levels of efficiency, security, and customer satisfaction with digital experiences. Maximizing effectiveness and reducing operational risk require both capturing and utilizing all available data, in real-time. But delivering optimal performance with massive amounts of data requires a modern approach.

Analyze All Your Data, Fast

Today's IT leaders know that IT operations analytics are key to keeping their businesses running efficiently and minimizing the risk of downtime. Investing in leading applications from vendors such as Splunk and Elastic can help you achieve these goals. Not every organization has an effective strategy to collect and use *all* their operational data for more complete decisions. IT systems and software generate tremendous amounts of information every second. This unstructured log data is sourced from throughout the IT infrastructure—on and off-premises—including applications, infrastructure (server, network, and storage), virtual machines, containers, operating systems, security devices, and clouds. Investigating an incident with an app that is "running slow" but looking only at storage performance could miss an issue at the local or remote network, server, and hypervisors.

Capturing *more* data isn't enough—you need to collect *all* of it for truly effective analytics and ensuring that you can use it for fast, actionable insights. Historical data should be available to an increasing number of end-users for fast queries on legal discovery, forensic analysis, and root-cause analysis for support issues. Your system should also ingest new data rapidly for real-time insights for responsive support, anomaly detection, and security analytics. A foundation of scalable, real-time data delivery makes it easy to expand from IT operation analytics into use cases including SIEM and application performance management. You can even use this foundation to support other organizational efforts such as software development.

Speed Time to Insight

- Offer more support with highly concurrent speed at any scale
- Fast data ingest and low latency systems speed time to insight

Optimize

- Enable richer queries and easy discovery in a single storage resource
- Grow from TB to PB, while scaling to support billions of objects

Simplify

- Cloud-like simplicity on premises with flexible procurement
- Efficient architecture to manage and lower TCO

Build a Better Foundation with Your Data Storage

Inadequate data storage deployments are often an obstacle to success for IT operations analytics. White-box solutions that aren't optimized for speed or efficiency can deliver unpredictable performance for search, index, and queries. Traditional distributed direct-attached storage (DDAS) architectures can limit flexibility, leaving old data as cold data, and risking expensive data rebalancing and rebuilds due to planned or unplanned downtime. Cloud solutions can also limit flexibility and performance for historical searches and may introduce compliance risks for business-critical data.
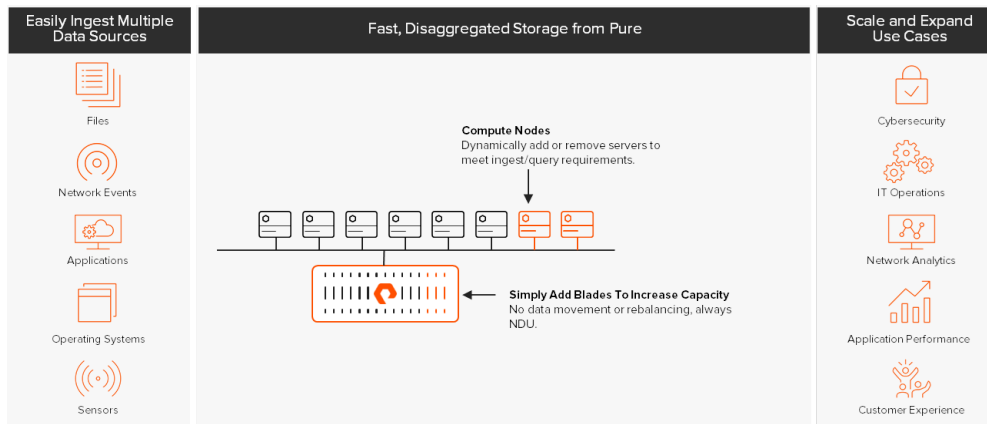

Figure 1. Pure Storage easily ingests log and event data and non-disruptively scales for multiple use cases.

Power Faster Time to Insight

At Pure, we understand data is the most valuable asset in modern enterprises. High-performance systems from Pure help enterprises drive real-time insights and do more through faster search, index, and analysis of data with their IT operations analytics. With Pure, it's easy to scale for large amounts of historical data without worry for lengthy data rebalancing or slow performance. We offer deployment choices that combine the control and efficiency of on-premises solutions with cloud-like economics. You get to focus on what matters by removing complexity with simplified disaggregated architectures and easy-to-use, easy to upgrade, self-driving storage that eases capacity planning through Pure1®. Additionally, Pure offers a subscription to innovation with Evergreen™ storage and service-based storage consumption through Pure as-a-Service™. Pure Professional Services are available to help deliver the simplicity of Pure solutions faster, easier, and with even more impact. Finally, we partner to offer proven solutions with leading vendors including Splunk and Elastic.

As a result, our Modern Data Experience™ offers these benefits for IT Operations Analytics deployments:

Fast Matters: Our platforms give you the ability to derive business value from your data sooner by powering analytics tools from ingest to visualization, for real-time results for both structured and unstructured data. Speed insights at any scale with linear, predictable performance increases and support for up to tens of thousands of concurrent connections from workstations, nodes, and database servers.

Cloud Everywhere: Combine the control and efficiency of on-premises solutions with cloud-like economics. With fast object storage from FlashBlade®, you can run cloud applications with consistency and performance not possible

through alternative solutions. A modern architecture helps to deliver historical and ad hoc queries with consistent performance with scalable, fast storage for more of your analytics data.

Simple Is Smart: We disaggregate compute from storage to offer an efficient platform for hosting multiple analytics applications, concurrently supporting large numbers of users, and easily scaling with data growth so that you eliminate the complexity of siloed approaches. This disaggregated architecture enables administrators to scale and maintain infrastructure resources without causing expensive rebuild and rehydration operations. Additionally, Pure FlashBlade systems are easy to install, easy to upgrade, and do not require performance tuning.

Subscription to Innovation: With Pure's Evergreen™ subscription and cloud everywhere approach, we make purchasing easier, freeing budget to areas critical for analytics (e.g. compute) locally or in the cloud. Additionally, we make it possible to deploy on-premises infrastructure with service consumption models through Pure as-a-Service™.

With a Modern Data Experience, Pure powers analytics insights for high performance at any scale, so that you can use more of your operational data to improve the efficiency and security of your IT operations.

Additional Resources

- Learn more about how Pure can optimize Splunk and Elastic deployments.
- Learn more about Pure's high-throughput FlashBlade systems, low-latency FlashArray™ systems, and Pure Professional Services offerings.

PURESTORAGE®