

SOLUTION BRIEF

Elasticsearch Disaggregated at Enterprise Scale

Pure Storage® FlashBlade™ powers Elasticsearch delivering simple, disaggregated, and faster log analytics.

Elasticsearch powered by FlashBlade allows you to focus on business outcomes while relying on flexible, disaggregated architecture that delivers cloud-like agility and all-flash performance.

Modern log analytics have enabled businesses to leverage machine data to proactively monitor infrastructure, track cybersecurity threats, and even build industrial automation. But current approaches to analyzing data across hot, warm, and slow tiers using distributed DAS aren't enough. They don't adequately address ever-changing business needs due to growing operational complexity and IT infrastructure cost.

According to ITIC, average IT downtime can cost as much as \$300K an hour. You need the ability to analyze the machine logs in a few minutes. Classical Elasticsearch deployed on a decade-old distributed DAS model was designed for unreliable, slow storage and network, which leads to slower analysis and costly business outcomes.

Distributed DAS Used to be Your Only Option

Slow Search Performance

- Old data becomes cold data
- Access to older logs is now standard

Infrastructure Complexity

- Expensive data rebalancing and reconstruction
- Ungracefully fails when out of space

Management Complexity

- Multiple use cases lead to heterogeneous silos
- Manageability quickly spirals out of control



Accelerate All Queries

Get all-flash performance for all data operations and searches.



Operational Simplicity

Scale compute and storage independently. Add blades and rebalance data faster.



Improved Agility

From fraud detection to IT log analysis, simplify handling of use cases and offer them as a service.



Reduce TCO

Add compute for more ingest and storage for more data. Native compression reduces storage needs up to 40%.

Elasticsearch with FlashBlade



Elastic Stack

Simplifies search with RESTful APIs and delivers high performance solution scalable to thousands of nodes



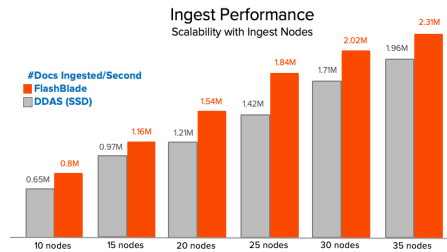
Pure FlashBlade

Ultra-fast, NFS storage to activate no-cold data strategy, architected to deliver scale-out capabilities with all-flash performance.

An Elastic Stack solution powered by Pure FlashBlade captures the best of Elasticsearch while addressing the limitations of traditional distributed DAS models. FlashBlade disaggregates compute from storage and delivers the same performance for hot and cold tiers.

Faster Time to Insight for All Data	Operational Simplicity	Improved Agility for Diverse Workloads
Eliminate multiple storage layers with all-flash FlashBlade	Take control of your data with disaggregated infrastructure	Support various use-cases with multi-dimension performance
Deliver consistent performance for hot and ad-hoc queries	Avoid running out of capacity, with Pure1® AI-driven platform	Support multi-tenant virtualized workloads as services

FlashBlade Delivers Linear, Scale-out Performance



Customer Highlights

Large US Regional Telecom: The telecom was looking to disaggregate compute and storage deployed for cybersecurity. FlashBlade delivered the same performance as DAS while controlling operational costs and significantly reducing complexity. Additionally, building a FlashBlade Data Hub helped break infrastructure silos and consolidate additional modern workloads.

Large US Retailer: Cybersecurity operations and infrastructure monitoring are critical in defending the retailer’s brand and reputation. The previous Elasticsearch solution with DAS was mired by scaling challenges and complexities. The multidimensional performance of FlashBlade solved these challenges, enabling the company to scale to multiple PBs to meet growing performance demands.

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