

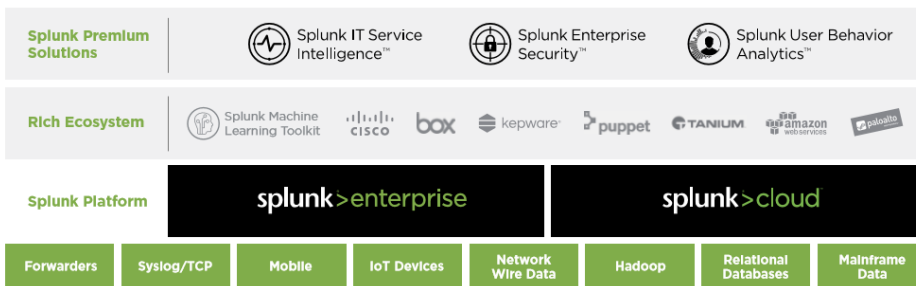
Infinidat InfiniBox® and Splunk® Enterprise

Splunk turns machine data into answers, regardless of your organization’s size or industry. Splunk helps you with the answers you need to solve your toughest IT, security, and business challenges. Splunk solutions are deployable on-premises, in the cloud, or via a hybrid implementation.



Splunk helps organizations address challenges across infrastructure and IT operations, application delivery, security and compliance, business analytics, IoT and industrial data, and more.

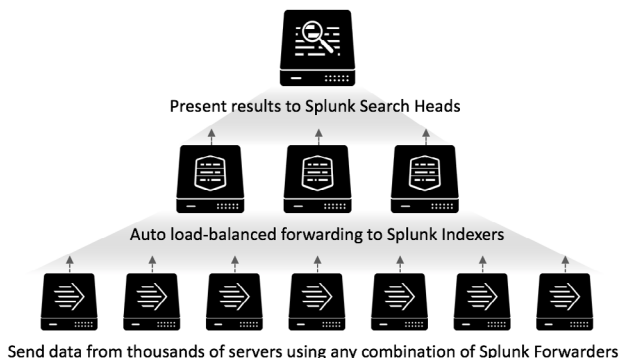
THE SPLUNK PLATFORM



The data that flows through and is analyzed by Splunk can provide answers to questions like: How can I prevent downtime for my critical IT services? Why is my application performing poorly? How can I speed up security investigations and reduce the impact of insider threats? Can I drive more revenue through my website or mobile application? How can I monitor and analyze data from tens of thousands of sensors in real time?

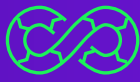
Splunk data storage is often an afterthought that can stop a Splunk project in its tracks—particularly when the scale gets beyond proof-of- concept experiments. Splunk was originally designed with direct-attached storage (DAS) in mind, relying on storage that resides within the scale-out server nodes. For many small- or medium-sized businesses, this approach delivers the necessary performance and reliability. At scale, the DAS approach becomes problematic and inefficient.

For large-scale implementations, Splunk often requires multiple TB-per-day ingest rates, producing storage buckets that may be in the multi-petabyte range. I/O is usually a bottleneck with highly variable performance requirements. DAS cannot accommodate these requirements efficiently in many cases. DAS approaches require more storage than necessary—typically pushing Splunk administrators and executives to consider SAN storage.





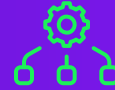
**High
Performance**



**High Availability
and Reliability**



**Multi-Petabyte
Scale**



**Simple and Powerful
Management**



**Low TCO and
High ROI**

The Infinidat InfiniBox Storage Platform for Splunk:

Splunk requires high-performance, high-resiliency storage at scale. That storage must be easy to manage so that administrators can focus on the needs of the business instead of the needs of the infrastructure, and it must excel at delivering a low total cost of ownership (TCO) with a rapid return on investment (ROI). Infinidat's primary storage platforms are a perfect match for Splunk deployments. Both InfiniBox and InfiniBox™ SSA, Infinidat's 100% solid-state platform, are highly scalable, highly flexible, and offer set-it-and-forget-it automated storage and performance management combined with tremendous cost savings and accelerated time-to-value.

Infinidat platforms are built on five fundamental principles:

1. High Performance

Groundbreaking, real-world application performance mainly contributed by architecture innovations, neural cache design, and real-time analytics. A large telecommunication company saw query times go from 40 minutes to 15 seconds after they implemented InfiniBox, over using direct attached storage.

2. High Availability and Reliability

SLA-based outcomes, guarantees 100% availability, performance, and cyber storage recoverability.

3. Multi-Petabyte Scale

Storage densities, capacities, and efficiency that maximize floor space and storage platform consolidation up to 17PB of effective capacity in a 42U rack, to lower TCO and create a greener data center.

4. Simple and Powerful Management

InfiniOps™ enables ease-of-use and ease of automation that significantly increases the petabyte (PB) per full-time-employee (FTE) management ratio.

5. Low Total Cost of Ownership (TCO) and High Return on Investment (ROI)

A global investment management company stated using InfiniBox was 50% less expensive than their previous enterprise array vendor. Infinidat offers a TCO of 30-50% lower less on a price per TB basis compared to the competition. According to the IDC Business Value White Paper, InfiniBox delivers an average ROI of 165% over 5 years with a 48% reduction of operating costs and a payback period of 11 months.*

* IDC Business Value White Paper for InfiniBox, December 2022

Solution

Infinidat InfiniBox for Splunk

The InfiniBox enterprise storage platform delivers groundbreaking, real-world application performance, 100% availability guaranteed, and capacity density at multi-petabyte scale for a multitude of mixed workloads, synchronous and asynchronous replication, data-at-rest encryption, and InfiniSafe® cyber storage recovery capabilities, assure maximum data security and reliability.

With InfiniBox, Splunk implementations are simpler to implement, operate, and protect while reducing costs and delivering the results that help companies discover, innovate, and drive their success.

Key Features

- ▶ Groundbreaking real-world application performance mainly contributed by architecture innovations, neural cache design, and real-time analytics
- ▶ SLA-based outcomes, guarantees 100% availability, performance, and cyber storage recoverability
- ▶ Storage densities, capacities, and efficiency that maximize floor space and storage platform consolidation to lower TCO and create a greener data center
- ▶ InfiniOps enables ease-of-use that significantly increases the petabyte (PB) per full-time-employee (FTE) management ratio
- ▶ Economy of scale that dramatically lowers TCO and increases ROI for large scale, data intensive IT operations resulting in best time-to-value



Solution Value

InfiniBox for Splunk in Action

A global investment firm experienced great success running Splunk on InfiniBox. The requirements for the storage system supporting their Splunk environment was 1PB, with 22 Indexers and an ingestion rate of 240GB/day/indexer. The customer reported that the Splunk/InfiniBox solution exceeded his performance expectations, was highly reliable, and half the cost of the previous system.

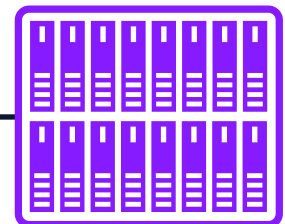
“I ran the search before and after the data migration, and you can see a **12% average less time after the change.**”

Typical Splunk configuration includes:

InfiniBox/InfiniBox SSA II



Search heads Indexers



Virtual Machines

- ▶ Forwarders
- ▶ Deployment Servers
- ▶ ES SHC Deployer
- ▶ License Manager
- ▶ DX Cluster Server
- ▶ Dist Mgmt Console
- ▶ Cluster Master

Conclusion

By running Splunk on InfiniBox, customers can focus on the needs of the business instead of worrying about the cost and complexity of the storage infrastructure. InfiniBox provides the best availability, the fastest performance, and the lowest TCO at multi-petabyte scale.

- ▶ **Faster Ingest**—increase the ingest speed and overall amount of data ingested WHILE supporting multiple user reports.
- ▶ **Highest Availability**—capture all critical data with ultra-low latency and near instant write acknowledgment. 100% availability guaranteed means your Splunk/InfiniBox solution is always open for business.
- ▶ **Speed/Capacity/Lowest TCO**—with groundbreaking speed AND petabyte-scale capacity, InfiniBox addresses the speed and capacity in a single solution, at the lowest total cost of ownership (TCO), providing best time-to-value.