

Scality RING & Splunk Enterprise

Index larger data sets and retain them longer, at a fraction of the cost, while reducing complexity and increasing flexibility.

The unrelenting digital transformation has turned data into a strategic asset, notably machine generated data which Splunk excels at extracting value from. Splunk enables organizations turn machine data into business insight. Splunk collects, monitors and analyzes everything from log files, clickstreams and transactions to network activity and call records so enterprises can figure out the operational and business decisions they need to make.

Problem is the incoming data sets are getting larger and retention time are growing longer (to enable deep searches and meet compliance requirements), so the demand for storage has been outpacing demand for compute, creating an imbalance in the traditional, classic Splunk architecture. Splunk SmartStore mitigates this issue and reins in storage costs. SmartStore introduces a remote storage tier with a native cache manager, allowing data to reside either locally on indexers's storage or remotely on Scality RING. Data movement between indexer storage

and Scality RING is transparently managed by the cache manager, which resides on the indexer.

With SmartStore, storage is decoupled from compute, allowing these resources to be scaled independently and cost effectively. The resulting TCO reduction is further compounded by higher utilization. Another way SmartStore reduces storage costs is by offloading older, less frequently used data (warm buckets) to Scality RING, without impacting search performance. Scality RING holds master copy of warm buckets while indexers' local storage is used for hot and cache copies of warm buckets.

With most data residing on Scality RING, the indexer maintains a local cache that contains a minimal amount of data: hot buckets, and copies of warm buckets participating in active or recent searches, and bucket metadata. This renders indexers stateless for warm and cold data, boosting operational flexibility and agility.

Key Benefits

Lower Cost

Scality RING and Splunk SmartStore allow for decoupling of storage and compute resources, so each can scale independently. Data storage costs are further optimized by offloading warm buckets from premium indexers' local storage into cost-effective object storage. This results in lower TCO and higher utilization.

Improved Searches

Scality RING's limitless scalability and Splunk SmartStore's native, transparent data tiering allow for larger data sets to be on-hand and for a longer period of time, paving the way for deeper and more accurate searches.

Better Operational Flexibility and Agility

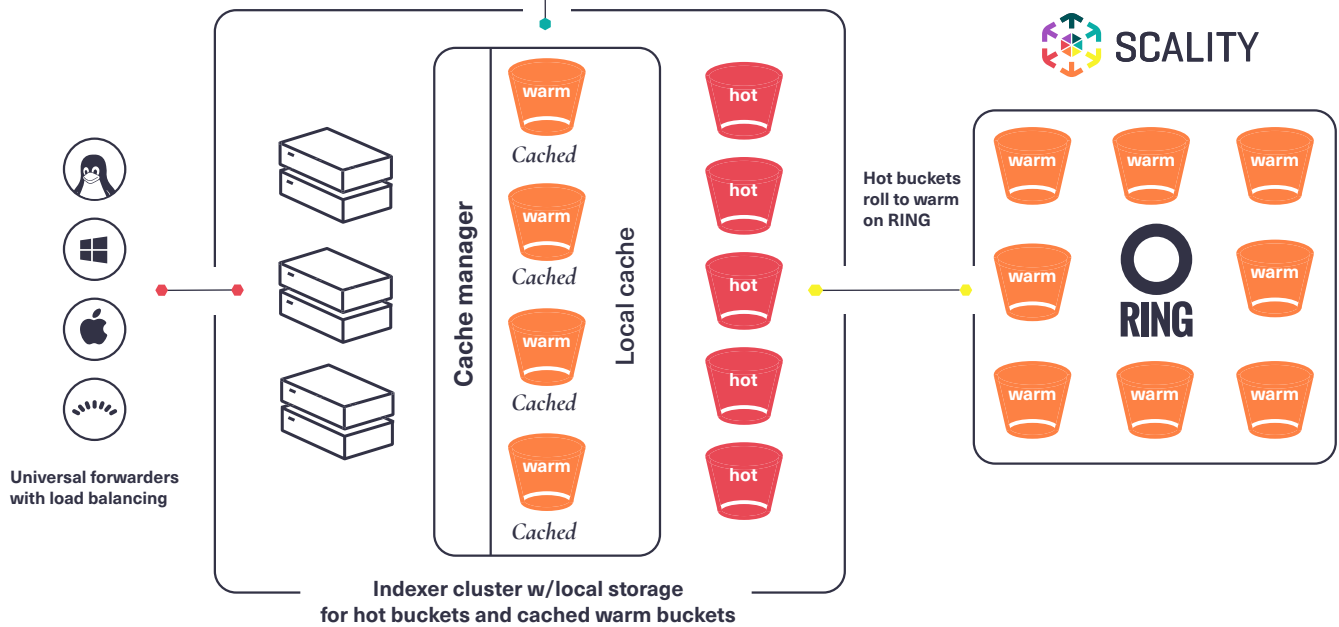
Scality RING and Splunk SmartStore together render Indexers stateless for warm and cold data. This boosts operational flexibility and agility, and streamlines the deployment and management model with higher elasticity.

Reduce Risks

With Scality RING, there is no need to backup warm and cold data any longer, which makes it easier to meet RPO/RTO targets. Furthermore, the extreme resiliency and data durability Scality RING offers (through erasure coding and geo-distribution) is also peace of mind in terms of keeping data protected and available for search and analytics.

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Active warm bucket copies held in local cache



SmartStore's disaggregated architecture is a perfect match for the limitless scalability, high throughput performance, and extreme resiliency of Scality RING. Native File (NFS) support means Scality RING is a great fit for traditional/csllsic (non-SmartStore) deployments as well.

ABOUT SPLUNK SPLUNK is the world's first Data-to-Everything Platform designed to remove the barriers between data and action, so that everyone thrives in the Data Age. We're empowering IT, DevOps and security teams to transform their organizations with data from any source and on any timescale. Splunk's analytics-driven IT solutions enable customers to accelerate their IT modernization journey, providing the technical agility, speed and visibility needed to drive actionable business outcomes.

ABOUT SCALITY Scality® storage propels companies to unify data management no matter where data lives — from edge to core to cloud. Our market-leading file and object storage software protects data on-premises and in hybrid and multi-cloud environments. With [RING](#) and [ARTESCA](#), Scality's approach to managing data across the enterprise accelerates business insight for sound decision-making and maximum return on investment. To compete in a data-driven economy, IT leaders and application developers trust Scality to build sustainable, adaptable solutions. Scality is recognized as a leader by Gartner and IDC. Follow us [@scality](#) and [LinkedIn](#). Visit www.scality.com, or subscribe to our company [blog](#).

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