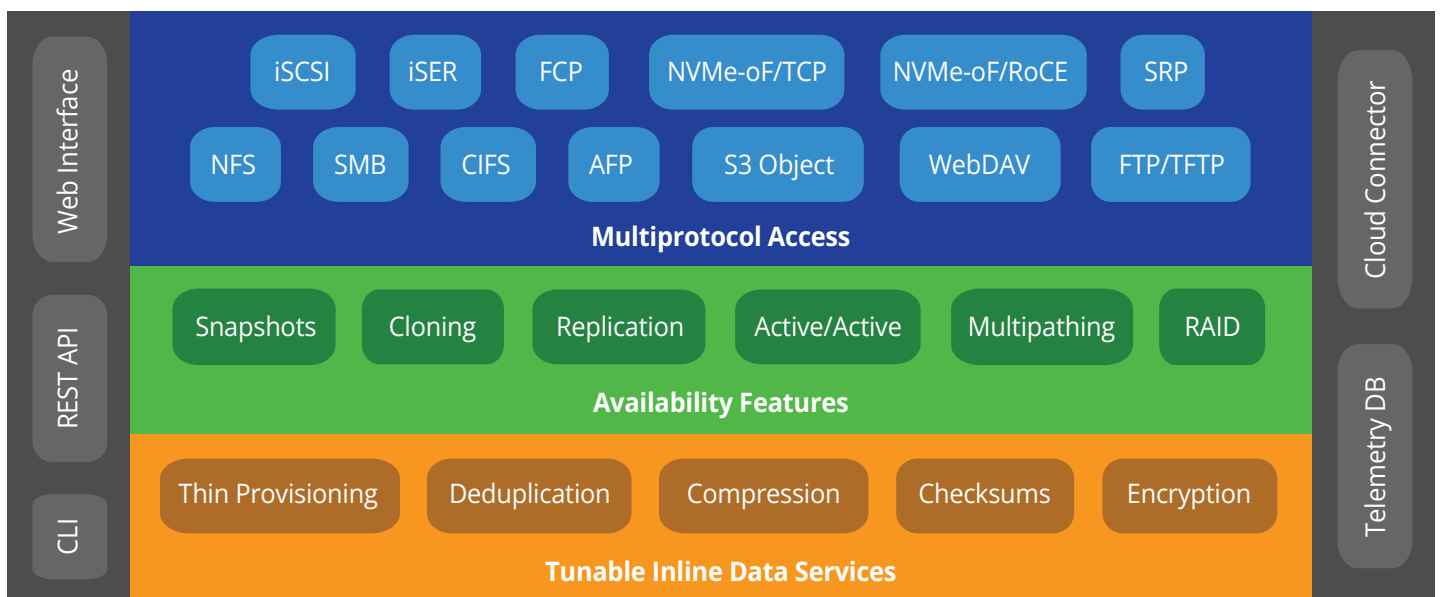


# HALO software

## Intelligent Software Enables the Ultimate Accelerated Data Platform

HALO is a comprehensive data management platform encompassing block, file, and object storage. Unlike point products with specific hardware and software focused on narrow use cases, HALO was designed from the ground up to provide a universal platform with workload-specific optimization in software. This enables organizations to streamline their storage infrastructure, reducing cost and improving agility.

With Flexspaces, all data types and protocols can share one logical pool, including block (NVMe-oF, iSCSI, Fibre Channel, SRP), file (NFS, SMB), and object (S3-compliant) storage. “Logical” is the critical term, because while other so-called unified storage systems may promise block and file support, those systems still need to be partitioned for each data type. As a result, administrators must manage the underlying storage capacity separately, resulting in poor resource utilization, challenges in capacity forecasting, and greater complexity.

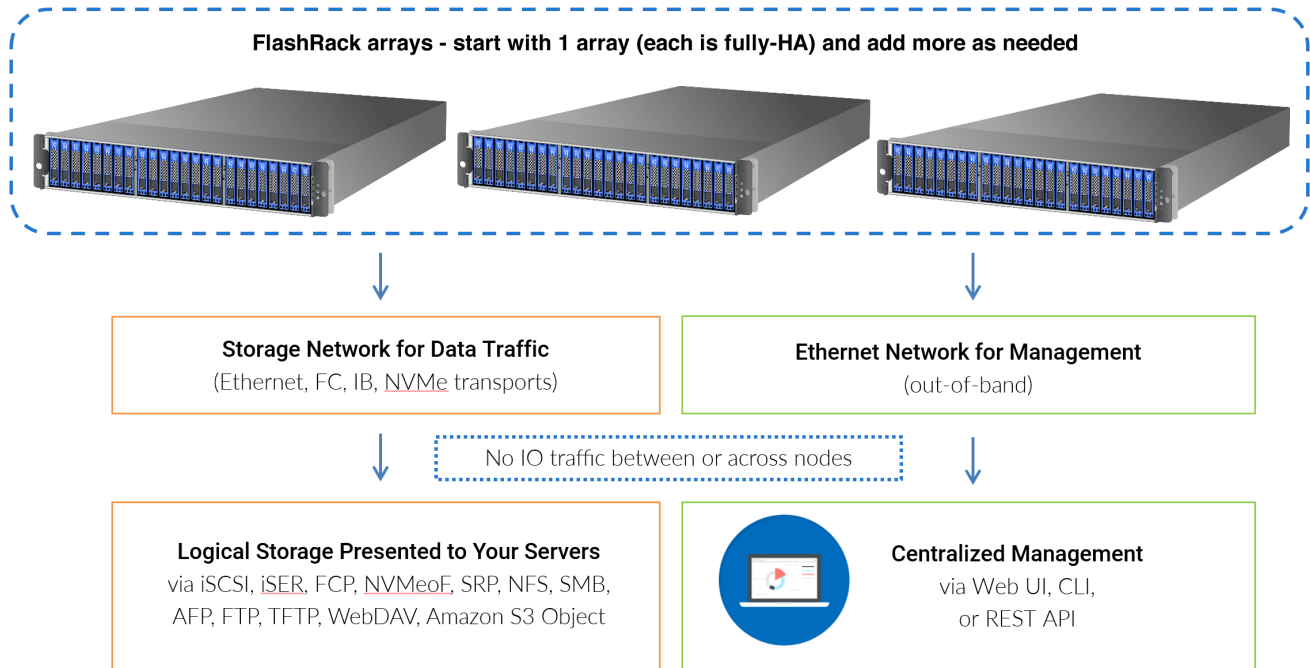


## Centralize Management at Scale and Reduce Hardware and OpEx Costs

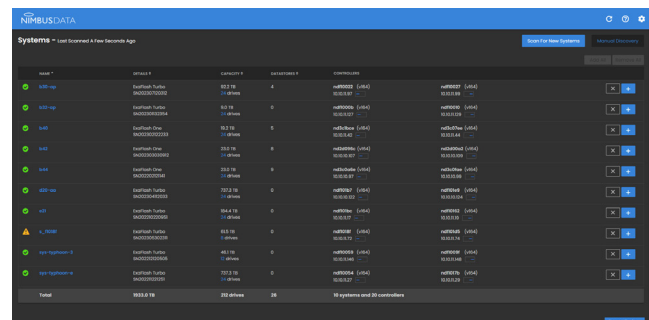
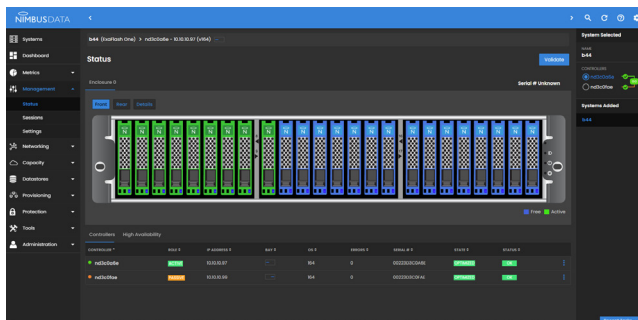
With Federation, as storage requirements grow, organizations can deploy additional redundant storage systems, such as Nimbus Data’s FlashRack. Unlike scale-out designs, however, Federation provides centralized administration without the complexity and cost of a cluster network. Erasure coding is eliminated, reducing hardware, space, and power costs. Since each system in the Federation provides high availability, a catastrophic failure will be isolated, as opposed to compromising an entire cluster.

## Federation with Intelligent Workload Placement Enables Scale with Ease

Adding additional storage systems linearly increases both capacity and performance, without the need to rebalance existing data. As systems are added to the Federation, HALO uses machine learning to provide advice on how to place new workloads in an optimal manner.



With HALO Vantage, you have one pane of glass from which to visualize your storage infrastructure. Vantage collects telemetry from the entire federation of FlashRack all-flash systems, providing centralized reporting to facilitate capacity planning, performance analysis, and administrative tasks. A powerful and fully-documented REST API simplifies integration of FlashRacks into existing enterprise management platforms.



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