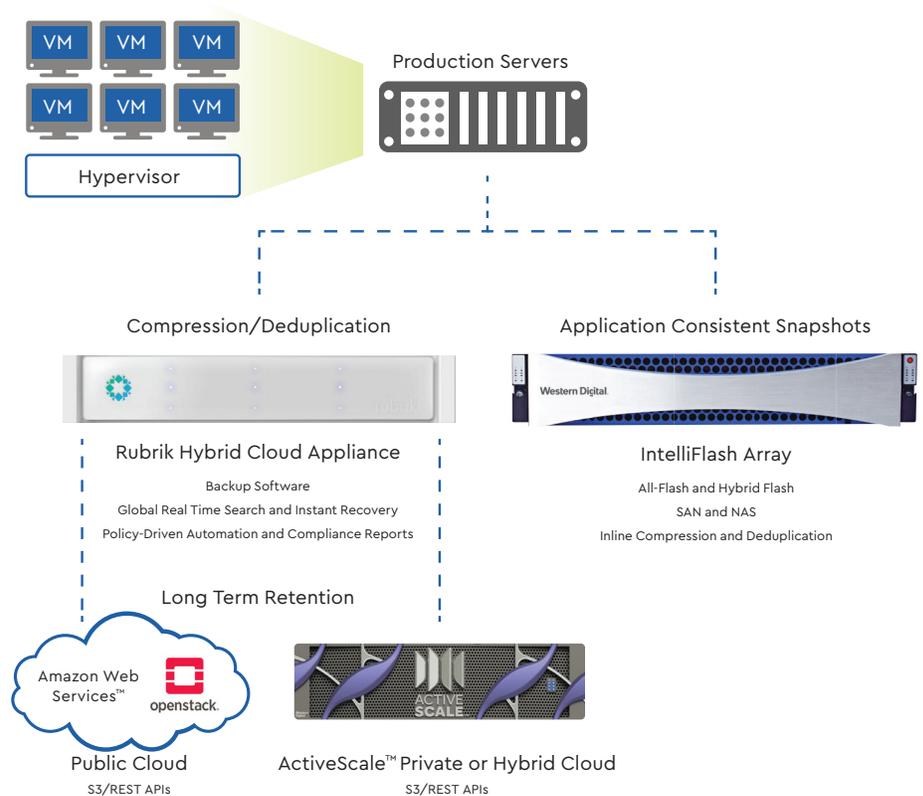# Western Digital.

Rubrik Hybrid Cloud Appliances Enhanced by Western Digital Storage
A Comprehensive Next-Generation Storage Solution for Virtualized Environments

rubrik

Western Digital and Rubrik™ Storage Transformation

- Minimal installation and operations complexity
- Single management point via vCenter for IntelliFlash™
- Eliminate human errors through automation
- Mitigate data growth with data reduction
- Dedupe primary and secondary storage
- Sustainable application performance
- All-flash or hybrid flash primary storage
- Flexible data protection options
- Agentless image backup
- Granular file recovery
- Scale out backup and archive architecture
- Remote data replication
- Public and/or private cloud-based archival

Western Digital and Rubrik collectively offer an easily deployed enterprise storage solution, encompassing flash primary storage arrays and object storage with converged data management for replication, backup, recovery, cloud storage, and archiving.

Western Digital through its IntelliFlash™ arrays delivers high-performance storage with a complete range of features and connectivity options, including inline compression and deduplication, application and VM consistent snapshots, replication, RAID, data encryption, VMware vCenter® integration, and multi-protocol support for SAN (FC, iSCSI) and NAS (NFS, SMBv3). IntelliFlash arrays deliver high availability through dual-redundant and hot-swappable components, active/active or active/passive controllers, non-disruptive software upgrades, eMLC flash, and proactive cloud-based monitoring, analytics, and intelligence. A RESTful API provides scripted or programmatic control.

Rubrik's breakthrough Rubrik r300 Series Hybrid Cloud Appliance converges the entire data management software and hardware stack, including backup and recovery, application and VM aware snapshots, remote replication, on-premises and hybrid cloud archival, policy management, compliance reporting, and granular file search.

You can install Rubrik's Hybrid Cloud Appliances quickly by automatically discovering other Rubrik nodes on the network and scale out to support thousands of nodes in a single cluster. In addition, the Hybrid Cloud Appliances offer a rich set of RESTful APIs, allowing customers and third party developers to automate and streamline all aspects of their data management environment while eliminating potential operator errors.

The Combined Rubrik and Western Digital Solution

Together, Rubrik and Western Digital streamline and simplify the entire storage stack, delivering dramatic total cost of ownership (TCO) reductions while satisfying increasingly aggressive SLAs.

Instantaneous access to data is the lifeblood of business today and IT professionals need their storage to perform consistently for mission-critical applications such as SQL Server®, Oracle®, Exchange Server, and VDI. IntelliFlash arrays enable customers to do much more work than they could before – at much lower costs.

Likewise, new data access expectations are pushing the envelope for rapid recoveries with more frequent recovery points and much shorter recovery time objectives (RTOs). Of course, this is expected to be done while reducing the TCO.

Western Digital's ActiveScale™ highly-scalable, high-performance cloud object storage system provides a low TCO for long term archival of data, while freeing up expensive capacity on primary storage.

Data reduction and deduplication in both IntelliFlash arrays and Rubrik's Hybrid-Cloud Appliances reduce the physical capacity required to store and manage data. Higher efficiencies generate immediate value for customers by reducing the overall cost of storage while simultaneously enabling more data to be stored and quickly found.

The combination of snapshot features provided by Western Digital and Rubrik appliances offer customers a choice of data protection options that span bare-metal servers to individual VMs.

Local snapshots taken by an IntelliFlash array can be restored and/or cloned on the array and accessed at flash-enabled performance levels. In addition, customers can leverage Rubrik for longer backup retention periods and free up production storage capacity. Specific VMs can be recovered from any point in time and made instantly available on the Rubrik Hybrid Cloud Appliance. This ensures that clients' data is seamlessly accessible to respond to their business needs no matter where it may live – on-premises, off-premises, or in the cloud.

Moreover, Rubrik's application-aware snapshots enable a range of efficient recovery capabilities, from individual VMs to individual file restores – all managed from its unified storage management interface.

With data continuing to grow exponentially, storing, managing, and protecting business-critical information within a tight budget is a challenge. Western Digital addresses this challenge with ActiveScale cloud object storage systems. ActiveScale provides an on-premises and hybrid cloud system that seamlessly extends existing primary storage capacity with massive scalability, outstanding levels of durability, and affordability. This enables IT organizations to easily reduce storage costs while allowing users and applications to seamlessly access all data as normal.

ActiveScale supports multiple workloads and is not solely tied to backup and archival datasets. This enables customers to leverage ActiveScale for other workflows often served by traditional NAS solutions.

Together, Rubrik and Western Digital leverage VMware®'s virtualization capabilities to create an agile and elastic data center storage solution that meets requirements for data availability, data protection, and data management – weaving the three fabrics of storage into a cohesive solution.

Western Digital®