Rubrik and NetApp for Epic Systems

Accelerate Performance, Simplify Infrastructure and Meet Data Protection Requirements

HEALTHCARE CHALLENGES

Healthcare institutions face a myriad of challenges with rapidly growing data sets, increasing regulatory and compliance requirements and the need to quickly recover from service outages. Legacy storage and data protection systems are unable to meet these requirements and come with complex operations and management costs. These issues impact all healthcare organizations including those running Epic as the heart of their clinical systems.
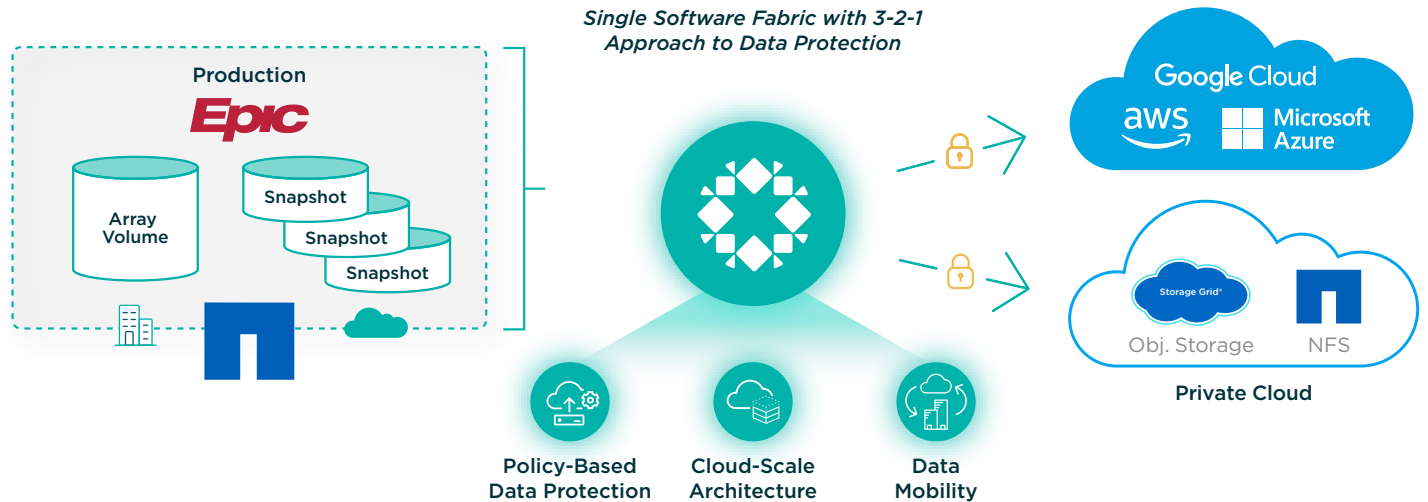
NetApp and Rubrik bring unique complementary strengths that when combined, create a powerful and cost-effective solution for Epic customers. Leveraging NetApp's high-performance storage controllers that come with extensive backup-replication capabilities, public and private cloud integrations, the combined solution meets the best practice recommendation of a 3-2-1 approach to data protection. This requires a minimum of three copies of data, across two different storage platforms with one copy being remote.

Key Challenge	Key Benefit	Result
Negative performance impact to Epic during backup	NetApp snapshots and Rubrik's parallel ingest and incremental-forever approach delivers maximum performance with no impact to Epic response times.	No impact to Epic during backup operations
Difficult to meet the 3-2-1 data protection recommendation	High performance NetApp storage controllers with Rubrik appliances provide multiple copies of data across two storage platforms with a remote copy on StorageGRID or in the public cloud.	Easily meet data protection best practices
Difficult to leverage public or private clouds	NetApp and Rubrik offer a full range of solutions to integrate public clouds of your choice and StorageGRID for storage of massive data sets on premises.	Gain the flexibility and benefits of public, private or hybrid clouds
High acquisition and support costs of multiple arrays	ONTAP is the only high comfort NAS and SAN platform to run all Epic workloads. Adaptive Quality of Service reduces the number of arrays required delivering unmatched storage efficiency.	Enjoy top performance and storage efficiency
Complexity and management cost of legacy systems	Policy driven data protection speeds automation and integration with popular orchestration tools such as Ansible and ServiceNow.	Simplify IT operations, reduce management costs
Quickly protect your complete clinical estate	Rubrik's integration with NetApp's SnapDiff functionality greatly reduces file scanning requirements allowing the protection of millions of files in record time.	Protect all your clinical system data with ease

HOW RUBRIK AND NETAPP WORK TOGETHER

With Rubrik and NetApp, users can automate data lifecycle management for Epic while leveraging public or hybrid clouds as an archive target. Both Rubrik and NetApp index file metadata to enable global file-level search for instant access to massive amounts of unstructured data. Users can quickly locate and restore VMs, databases, files, and more across public or private cloud.

HOW IT WORKS

Single Software Fabric with 3-2-1 Approach to Data Protection

Production Epic

Array Volume

Snapshot
Snapshot
Snapshot

Policy-Based Data Protection

Cloud-Scale Architecture

Data Mobility

Google Cloud
aws
Microsoft Azure

Storage Grid
Obj. Storage   NFS

Private Cloud

POLICY-BASED DATA PROTECTION

Both Rubrik and NetApp Storage deliver policy-based automation to simplify all aspects of data management. Rubrik's single SLA policy engine automates backup, archival and replication for physical, virtual, and cloud workloads. Users simply specify backup frequency and retention policies to automate backup, replication, and archival for a set-it-and-forget-it approach.

CLOUD-SCALE ARCHITECTURE

Rubrik and NetApp Storage are built to enable simple, linear-scale architectures. Scaling Rubrik and NetApp storage is as simple as adding more nodes to each environment, allowing enterprises to easily handle rapid data growth while avoiding forklift upgrades. With unlimited scalability, healthcare providers can easily satisfy lengthy retention requirements for critical clinical data.

DATA MOBILITY

Rubrik's vendor-agnostic software fabric enables users to avoid vendor lock-in for physical, virtual, and cloud environments. With Rubrik's NAS Direct Archive, users can easily mobilize NAS data between public or private cloud – including NetApp StorageGRID and ONTAP NAS environments. StorageGRID's support for open APIs such as S3 and Swift also enables users to avoid vendor lock-in while managing data across hybrid cloud architectures.

BACKUP AND RECOVER IN A FLASH

Shorten backup windows with an incremental-forever approach. Reduce RTO down to minutes.

SIMPLIFY DAILY MANAGEMENT

Automate data protection, replication, and archival workflows. Reduce daily management time.

DEFEND AGAINST RANSOMWARE

Prevent data loss with immutable snapshots. Recover faster with visibility into how data changed during an attack.

ABOUT NETAPP

NetApp is the data authority for hybrid cloud. We provide a full range of hybrid cloud data services that simplify management of applications and data across cloud and on-premises environments to accelerate digital transformation. Together with our partners, we empower global organizations to unleash the full potential of their data to expand customer touchpoints, foster greater innovation, and optimize their operations. For more information, visit www.netapp.com. #DataDriven

ABOUT RUBRIK

Rubrik delivers a single platform to manage and protect data in the cloud, at the edge, and on-premises. Enterprises choose Rubrik's Cloud Data Management software to simplify backup and recovery, accelerate cloud adoption, and enable automation at scale. As organizations of all sizes adopt cloud-first policies, they rely on Rubrik's Polaris SaaS platform to unify data for security, governance, and compliance. For more information, visit www.rubrik.com and follow @rubrikInc on Twitter.

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