

# Rubrik Protects NoSQL Databases on Nutanix Enterprise Cloud Platform

## NUTANIX ENTERPRISE CLOUD IS IDEAL FOR NOSQL

Organizations are aggressively adopting the new generation of non-relational or NoSQL databases like Apache Cassandra, DataStax Enterprise (DSE) and MongoDB to support their digital transformation initiatives. These databases have stepped-up performance and built-in availability with standard multi-node replication. NoSQL databases are redundant and they're fast. They are scalable, less complex and don't require the deep expertise that's needed to tune and scale traditional SQL databases. Their scale-out architecture and adaptability make them a natural fit for massive applications deployed in the cloud.

Nutanix Enterprise Cloud is the ideal platform for running large-scale virtualized applications based on NoSQL. The Nutanix platform greatly simplifies the workflows for deploying and maintaining the large and often dispersed virtual server landscapes that distributed NoSQL applications require. In addition, Nutanix gives administrators the ability to easily add database nodes, to relocate nodes and to manage access to the Acropolis Distributed Storage Fabric. Nutanix also offers intelligent storage tiering to maximize storage I/O throughput to NoSQL database servers.

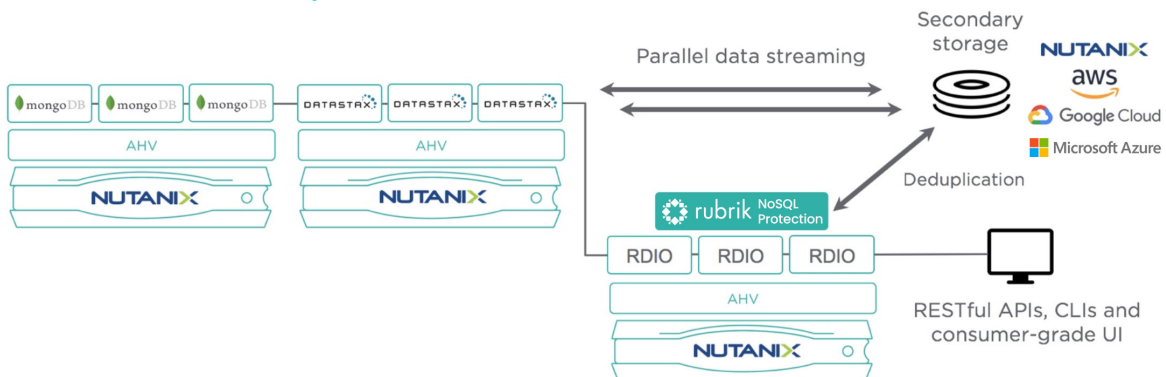
## RUBRIK SOLUTIONS FOR NUTANIX ENTERPRISE CLOUD

Rubrik delivers data protection for enterprises built on Nutanix Enterprise Cloud. Rubrik lets you recover in minutes, achieve immediate hard savings, and accelerate application development with data management built for web-scale and automated orchestration.

For NoSQL databases running on Nutanix HCI, Rubrik NoSQL Protection is a software platform that can be deployed as a VM, on a physical server, or as a Docker container for micro-services based environments. NoSQL Protection improves application availability, provides data mobility, and reduces backup storage requirements. Rubrik NoSQL Protection is application-aware data protection software that provides backup and recovery for NoSQL, non-relational enterprise databases such as Apache Cassandra, DataStax Enterprise, and MongoDB. Rubrik NoSQL Protection delivers scalable backup, recovery, and the industry's first semantic deduplication that reduces secondary storage costs in the cloud or on-premises. NoSQL Protection includes any point-in-time recovery to safeguard against logical and human errors, malicious data corruption, application schema corruption, and other software errors.

Rubrik NoSQL Protection is a cloud-native solution that was engineered to support massive cloud workloads and cloud archival storage, just as the NoSQL databases it protects were designed around scale-out architecture. Rubrik NoSQL Protection can be installed in the cloud, protect NoSQL workloads in the cloud, and store backup data in low-cost archives. By removing the limitations of traditional or vendor-provided native backup solutions, NoSQL Protection helps accelerate the digital transformation, adoption of DevOps, and more.

## HOW NUTANIX AND RUBRIK NOSQL PROTECTION WORK TOGETHER



Rubrik NoSQL Protection is a software platform that can be deployed in any form factor, such as VMs on-premises, software instances in any cloud provider, or as Docker containers. Deployed as a 3-node or 5-node cluster, Rubrik NoSQL Protection does not store your data but sends data directly from the source clusters to the backup target, such as Nutanix Acropolis VM storage, NFS, AWS S3, Google Cloud, Microsoft Azure or S3 compatible private object storage (e.g. EMC ECS, Cloudian, and Scality).

## RUBRIK NOSQL PROTECTION BENEFITS

<p><b>Faster Recovery with Application Consistent Backups</b></p>	<p>Rubrik NoSQL Protection delivers local backup of geo-distributed applications, enabling local data center recovery for faster RTOs with any-to-any topology recovery. Because NoSQL Protection backups are always consistent, the need to run lengthy database repair processes are eliminated.</p>
<p><b>Data Mobility and Test/Dev with Orchestrated and Queryable Recovery</b></p>	<p>Rubrik NoSQL Protection delivers advanced features including queryable recovery, enabling fast, sub-table level recovery as well as incremental and streaming recovery. As a result, organizations significantly reduce recovery times down to minutes, minimize storage requirements for large-scale restore operations, and accelerate test/dev by streaming only what is needed to a database topology that makes sense.</p>
<p><b>Hard Savings with Industry-first Semantic Deduplication</b></p>	<p>Rubrik NoSQL Protection delivers industry-first semantic deduplication to greatly reduce storage costs of distributed databases over their retention period. These space-efficient backups dramatically reduce the overall storage footprint resulting in reduction in backup storage.</p>
<p><b>Secure Protection with Enterprise-Grade Security</b></p>	<p>Rubrik NoSQL Protection is experiencing adoption in large enterprises across industries, including retail, eCommerce, financial services, and healthcare – all of which have stringent security requirements. Rubrik NoSQL Protection supports TLS/SSL encryption and X.509 certificates to deliver enterprise-grade security between Rubrik NoSQL Protection software, data sources, and integration with enterprise security management tools.</p>

## ABOUT NUTANIX

Nutanix is a global leader in cloud software and hyperconverged infrastructure solutions, making infrastructure invisible so that IT can focus on the applications and services that power their business. Companies around the world use Nutanix Enterprise Cloud OS software to bring one-click application management and mobility across public, private and distributed edge clouds so they can run any application at any scale with a dramatically lower total cost of ownership. The result is organizations that can rapidly deliver a high-performance IT environment on demand, giving application owners a true cloud-like experience. Learn more at [www.nutanix.com](http://www.nutanix.com).

Rubrik is a certified Nutanix Ready AHV Integrated Data Protection partner. This is the highest level of technical certification offered by Nutanix and positions Rubrik strongly within the Nutanix Elevate Partner Program. This tier recognizes exceptional product alignment and sales success.



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Rubrik is on a mission to secure the world's data. With Zero Trust Data Security™, we help organizations achieve business resilience against cyberattacks, malicious insiders, and operational disruptions. Rubrik Security Cloud, powered by machine learning, secures data across enterprise, cloud, and SaaS applications. We help organizations uphold data integrity, deliver data availability that withstands adverse conditions, continuously monitor data risks and threats, and restore businesses with their data when infrastructure is attacked.

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