

# 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.

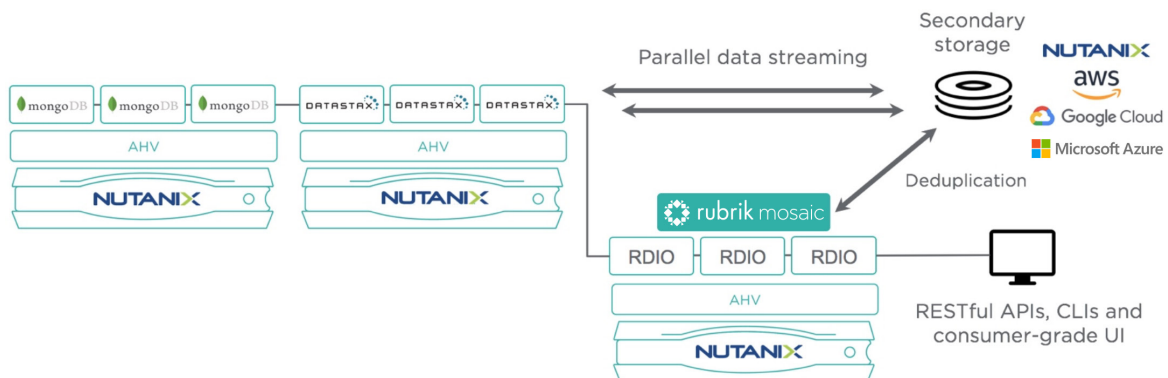
## RUBRIK SOLUTIONS FOR NUTANIX ENTERPRISE CLOUD

Rubrik Cloud Data Management delivers data protection, search, analytics, compliance, and copy data management for enterprises built on Nutanix Enterprise Cloud. Rubrik Cloud Data Management lets you recover in minutes, achieve up to 50% in 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 Mosaic 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. Mosaic improves application availability, provides data mobility, and reduces backup storage requirements. Rubrik Mosaic is application-aware data management software that provides backup and recovery for NoSQL, non-relational enterprise databases such as Apache Cassandra, DataStax Enterprise, and MongoDB. Rubrik Mosaic delivers scalable backup, orchestrated and streaming recovery, and the industry's first semantic deduplication that reduces secondary storage costs up to 80% in the cloud or on-premises. Mosaic includes any point-in-time recovery to safeguard against logical and human errors, malicious data corruption, application schema corruption, and other software errors.

Rubrik Mosaic 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 Mosaic 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, Mosaic helps accelerate the digital transformation, adoption of DevOps, and more.

## HOW NUTANIX AND RUBRIK MOSAIC WORK TOGETHER



Rubrik Mosaic 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 Mosaic 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 Scalify).

## MOSAIC BENEFITS

<p><b>Faster Recovery with Application Consistent Backups</b></p>	<p>Rubrik Mosaic delivers local backup of geo-distributed applications, enabling local data center recovery for faster RTOs with any-to-any topology recovery. Because Mosaic 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 Mosaic 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>Up to 80% Hard Savings with Industry-first Semantic Deduplication</b></p>	<p>Rubrik Mosaic 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 up to an 80% reduction in backup storage.</p>
<p><b>Secure Protection with Enterprise-Grade Security</b></p>	<p>Rubrik Mosaic is experiencing adoption in large enterprises across industries, including retail, eCommerce, financial services, and healthcare – all of which have stringent security requirements. Rubrik Mosaic supports TLS/SSL encryption and X.509 certificates to deliver enterprise-grade security between Rubrik Mosaic 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 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. Rubrik's run-anywhere, scale-out architecture is built to empower IT departments today and in the future, reducing total cost of ownership while enabling infrastructure flexibility for a multi-cloud world. For more information, visit [www.rubrik.com](http://www.rubrik.com) and follow [@rubrikinc](https://twitter.com/rubrikinc) on Twitter.