



Rubrik for Microsoft SQL Server

Ensuring High Availability and Security for Your MS SQL Databases

OVERVIEW

Organizations heavily depend on their databases, particularly MS SQL databases, which drive vital business applications. Ensuring the continuous availability and rapid recovery of these databases is crucial. Traditional data protection approaches, however, pose several challenges: incomplete backups can go unnoticed, database refreshes may take days, and complex, manual workflows can hinder efficiency. Large, highly transactional databases face the risk of extended Recovery Time Objectives (RTOs) and potential data loss, necessitating full database restores even for querying a few tables.

Rubrik transforms data protection for MS SQL databases, ensuring rapid access and recovery with near-zero RTOs and efficient object-level recovery. Rubrik's solutions provide unlimited database clones in seconds, essential for application development, while the API-first architecture ensures seamless integration with existing workflows and management tools. By embracing Rubrik's comprehensive services, organizations gain innovative features like SQL Live Mount, which enhance simplicity and speed in managing MS SQL databases.



OPTIMIZED DATA PROTECTION

Utilize purpose-built tools with Rubrik's SQL Server protection, leveraging the trusted native SQL Writer Service while adding advanced security features to safeguard your data at scale.



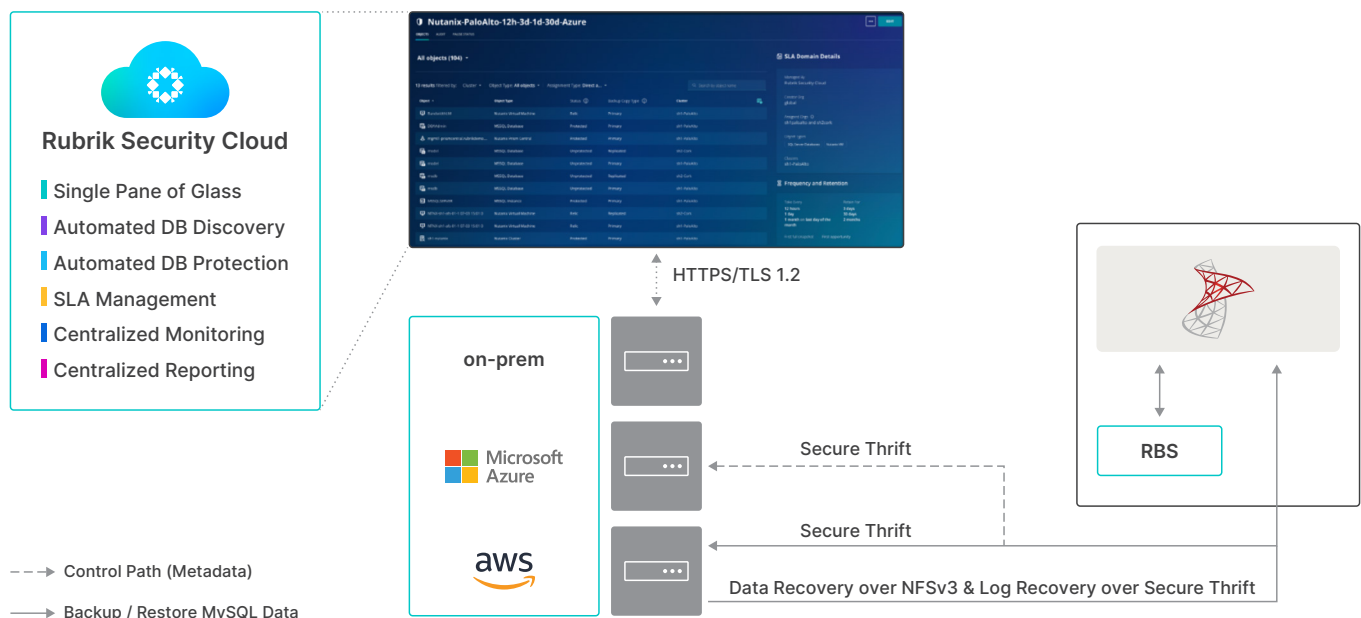
ENHANCED DATA SECURITY

Leverage Rubrik's Zero Trust Data Security approach to ensure that your MS SQL databases are protected against unauthorized access and potential data breaches.



ACCELERATED RECOVERY TIMES

Achieve near-zero RTOs with Rubrik's innovative features like Live Mount and instant database clones, minimizing downtime and ensuring rapid access to critical data when you need it most.



KEY CAPABILITIES



Zero-Trust Data Security

Immutability with End-to-End Encryption: Ensure your data remains tamper-proof with an immutable file system that prevents it from being read, modified, or deleted once written.

Logical Air-Gap: Safeguard your backups from attackers using proprietary protocols and authenticated APIs to ensure secure data access.

Multi-Factor Authentication: Secure access by verifying user identity through multi-factor authentication, time-based one-time passwords, and single sign-on.

Role-Based Access Control: Grant least-privilege access with granular permissions based on user roles to mitigate the impact of credential compromise.

Unified Management: Simplify management with one single pane of glass for centralized view and control of your MS SQL data across on-prem and cloud.



Granular Database Protection

Flexible Policy Assignment: Assign different protection policies at the host, instance, and database levels, with the most granular policy taking precedence.

Log Management: Efficiently manage transaction log backups' frequency and retention directly from your SLA policy.

Copy-Only Backups: Protect your data without affecting transaction logs when other systems manage them using the Copy-Only backup mode.

SQL Clustering & Multi-DC Availability: Control backup nodes for Failover Cluster Instances and Always-On availability groups, now extending support to multi-data center configurations to ensure continuous protection and failover capabilities.



Scale Your Protection

Protect at Scale: Seamlessly manage thousands of databases with Rubrik's SQL Writer Service-based approach.

Database Batching: Capture multiple databases in a single snapshot while storing them as individual backups for efficiency.

Change Block Tracking: Utilize VSS snapshots to identify changed blocks on large databases and dense deployments, enhancing backup precision.

Incremental Forever: Supports continuous incremental backups through block mapping, even for large SQL deployments.

Database Sharding: Divide large backups into smaller files for reliability and distribute across parallel streams to boost performance.



Flexible Recovery Options

Rapid Data Access: Quickly specify recovery times and methods, supporting granular recovery and test/dev environments effortlessly.

Live Mount: Host a read/write version of the database from the Rubrik Cluster without extra storage provisioning.

Export and Restore: Create copies for testing without overwriting originals and restore corrupted databases to specific points-in-time with ease.

Log Shipping and Cross Version Restore: Automate log shipping configurations for up-to-date secondary databases and support restoring across different SQL Server versions.

CONCLUSION

Rubrik offers robust and streamlined data protection solutions for MS SQL databases, empowering DBAs to focus on strategic initiatives with the assurance that their backup and recovery processes are optimized and secure. Reduce downtime, simplify backup management, and ensure data availability with Rubrik's advanced features and seamless integration capabilities.

CONTACT US

To learn more about how Rubrik can enhance your MS SQL database protection, [visit our website](#) or [watch the demo](#).



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Rubrik (NYSE: RBRK) 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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