Cyber Resilient Backup and Recovery for MongoDB

Engineered for scale and security, experience unstoppable cyber resilient protection.

Today's enterprise workloads demand uncompromising resilience—especially when managing modern databases like MongoDB. With data volumes in petabytes and applications handling billions of transactions daily, backup solutions must deliver more than just snapshots—they must deliver cyber resilience, performance, and scale.

That's why Cohesity has partnered with MongoDB to deliver a tightly integrated backup and recovery solution—certified via the official Ops Manager Third Party Backup API. This solution goes beyond basic data protection to offer native, policy-based MongoDB backups with built-in ransomware protection, point-in-time recovery, and out-of-place dev/test refreshes. It's modern protection for mission-critical data, built for a Enterprise scale.

Key capabilities of the Cohesity and MongoDB integration

Backup The integration is purpose-built for large enterprises, enabling operations teams to meet stricter RPO and RTO goals without compromising on security, automation, or performance.

Cohesity delivers application-consistent, backups for MongoDB, supporting both sharded and unsharded environments. It enables any point recovery to meet stricter RPOs, supports OpsManager running in HA and Load-balancer modes, flexible backup nodes for multi-datacenter deployments. The solution also supports widely popular OpsManager's digest method as an authentication method and includes fixed member support* for multi-datacenter deployments.

Recovery is equally flexible and powerful, offering both in-place and out-of-place restores for rapid failover or dev/test refreshes. It supports point-in-time recovery (PITR) to meet precise restoration needs.

Cohesity's platform adds even more value with built-in immutability, RBAC, and ransomware protection. It supports replication, archiving, long-term retention, and uses global deduplication and compression to optimize storage. The API-first design comes with robust reporting and alerting, giving teams deep visibility and control across their MongoDB data landscape.

Features and Benefits

- **Fast Recovery at Scale:** Lab testing demonstrates fast ingest speeds and less than 24 hours of RTO.

- **Security from the Ground Up:** Beyond support for encrypted MongoDB, Cohesity implements WORM storage, MFA, SSL-based transfer, and tightly governed access control.

- **Scale-Out Architecture:** Designed to handle MongoDB's exponential data growth with scalable nodes, global deduplication, and intelligent data movement.

- **Operational Intelligence:** Centralized management across the Cohesity platform provides real-time visibility, automated alerts, and advanced reporting.

- **Developer Enablement:** Self-service data refreshes enable developers to accelerate testing cycles while maintaining data consistency.

Cohesity MongoDB Integration
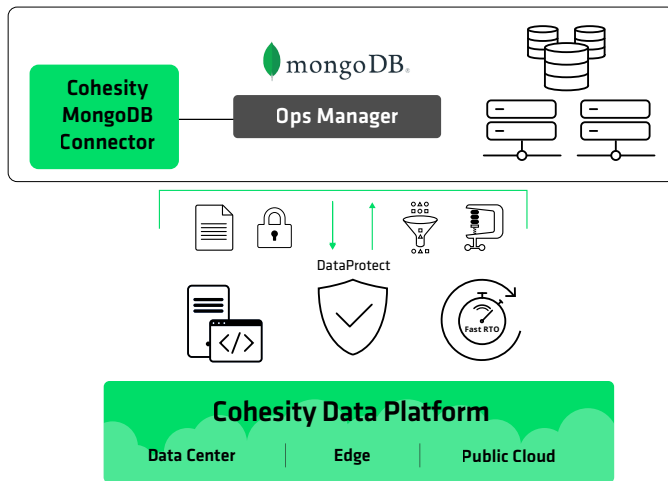
Key business value

Simplicity and scalability: Consolidate enterprise data into a single platform, minimizing overhead and reducing storage costs.

- Single management plane across workloads
- Built for Petabyte scale
- Increased Credibility and Trust with Cohesity's MongoDB Certified Solution
- Enterprise scale for quick and easy expansion

Data resilience: Strengthen data resilience through a multilayered security architecture and access control workflows.

- Quorum, which helps prevent unilateral changes to the platform within administrative accounts
- DataLock, a time-bound, write-once, ready-many (WORM) lock on a backup snapshot that can't be modified in our file system (and extends to cloud

- Storage by incorporating cloud storage object lock
- Zero Trust Security-first architecture, includes core security capabilities such as granular RBAC, multifactor authentication / Time Based-One-Time-Passwords (2FA/TOTP), restricted shell access SSO, and encryption of data at-rest and in-flight with AES 256-bit encryption to secure data

Business resilience through instant cyber recovery: Drastically reduce business impact in the event of data loss due to an outage or ransomware attacks. Minimize downtime with near-zero recovery point and recovery time objectives, reducing recovery from days to minutes.

- Air-gapped, immutable backups
- Faster Database recovery in minutes than days
- AI-powered anomaly and threat detection
- Global search to quickly identify and instantly recover specific data
- Multicloud support for virtual air gapping and cyber vaulting
- Advanced incident response solutions and services such as clean room solution, digital jump bag, and Cohesity Cyber Event Response Team (CERT) to help prepare for, respond to and recover data in case of a cyber threat

As modern applications continue to power mission-critical services across industries, Cohesity and MongoDB provide enterprises with the confidence to scale securely. Whether you're protecting high-velocity transactional data or enabling rapid recovery across cloud and on-prem, this certified integration delivers the simplicity, resilience, and intelligence your teams demand.

Visit cohesity.com to learn more or get started today with a free trial.

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