Rubrik Datos IO

CASE STUDY

MDL autoMation Uses Rubrik Datos IO to autoMate Backup and Recovery of MongoDB

Rubrik Datos IO provides the industry's first cloud-scale, application-centric, data management platform enabling organizations to protect, mobilize, and monetize all their application data across private cloud, hybrid cloud and public cloud environments.

To learn more, visit **www.datos.io**

Our Customer Achieved

Using Rubrik Datos IO RecoverX, MDL autoMation deployed fully automated backup and recovery for their sharded MongoDB database clusters while achieving significant benefits, including:

- **65% Reduction in Backup Storage Costs:** MDL autoMation dramatically reduced their backup storage requirements using RecoverX's patented semantic deduplication technology.

- **Automated Test/Dev Refresh:** Using RecoverX's orchestrated, any-to-any topology restore, MDL was able to automate restore of their sharded clusters to a singular non-sharded/non-clustered node for use by developers for test/dev and QA.

- **Enhanced User Productivity:** Using a GUI and automated, policy-based backup, MDL autoMation eliminated the overhead of configuring and managing the multiple native backup server components of MongoDB.

The Customer

MDL autoMation is a privately held American technology company founded in 2006 that is the leader in providing process improvement through Instant Guest Recognition & Messaging using Radio Frequency Identification (RFID) and License Plate Recognition (LPR) technologies and Inventory and Lot Management through its Bloodhound vehicle location technologies. MDL's Instant Guest Recognition & Messaging systems are installed in leading U.S. and Canadian dealerships, enabling a highly personalized level of service, increased

Key Challenges:

- Backup and recovery of MongoDB databases running across multiple data centers

- High costs of MongoDB native backup tools and deployment complexity

- Complexity of weekly test/dev cluster refresh

Why Rubrik Datos IO:

- Application consistent, any point-in-time backup of sharded MongoDB databases

- Ability to restore to a singular non-sharded/non-clustered MongoDB node

- Eliminate high cost and deployment complexity of MongoDB native backup tools

- Semantic deduplication dramatically reduces backup storage requirements

customer retention, improved CSI, real-time sales opportunities, automated choke-point location tracking, including auto tracking when a vehicle enters/leaves the shop, off-site lot tracking and car wash monitoring. MDL's Bloodhound is a powerful IOT-based inventory and lot management solution that can provide real-time vehicle location and movement tracking, as well as vehicle health, including battery levels and CANBUS error codes. MDL's suite of products provide end-to-end integrations with existing dealer technologies such as DMS, Loaner, CRM, Equity, CIM, Key Control, and Tire Scanning.

The Need

MDL autoMation was using a native MongoDB backup solution to perform backups but was faced with several key challenges.

Their primary challenge was **the high cost and complexity of backup infrastructure**. MongoDB's backup tool works by keeping exact copies of every node in a database, and the secondary infrastructure needed for MongoDB backup and recovery is costly with multiple, dedicated backup servers required. The combination resulted in very high CAPEX for their data protection infrastructure.

The second challenge was their **inability to restore data to unlike clusters** in order to automate test/dev cluster refresh. Specifically, MDL needed to restore a sharded, clustered environment to a singular node on a scheduled weekly process to refresh the dataset for their development team to use for development and QA testing.

The Solution

MDL autoMation deployed Rubrik Datos IO RecoverX software running in a virtual machine configuration to protect their on-premises application running on MongoDB databases.

The Results

Rubrik Datos IO addressed MDL's backup and recovery challenges. Rubrik Datos IO also brought the additional value of the automated backups as well as restore to a singlular non-sharded/non-clustered node on a weekly refresh schedule.

Using Rubrik Datos IO, MDL was able to reduce their costs of backups by over 65% while adding the additional value of the automated weekly restore of data to a singular node for QA and Development to use for testing while always having a fresh set of data to test against.

About Rubrik Datos IO

Rubrik Datos IO is the application-centric data management company for the multi-cloud world. Our flagship product RecoverX delivers a radically novel approach to data management helping organizations embrace the cloud with confidence by delivering solutions that protect, mobilize, and monetize their data — at scale. Rubrik Datos IO was recently awarded Product of the Year by Storage Magazine, and was recognized by Gartner in the 2016 and 2017 Hype Cycle for Storage Technologies. Rubrik Datos IO is headquartered in Palo Alto, California.