



Museum of London Achieves Fast Recovery for Mission-Critical Oracle Databases and Eliminates Tape



INDUSTRY

Media & Entertainment

RESULTS

- 90%+ management time savings
- 90%+ faster restores
- Eliminated tape complexity

THE CHALLENGE

- Expensive DR solution with SAN to SAN replication
- Lengthy recovery times from tape and for Oracle databases
- Management complexity

THE SOLUTION

- All-in-one data management solution for backup, disaster recovery, and archival for lower costs and high performance
- Seamless integration with Oracle RMAN for fast restores of mission-critical databases
- One SLA policy engine for effortless management

PARTNER

- IGX Global

Established in 1976, the Museum of London is an award-winning cultural history museum that showcases the history of the English capital city from prehistoric to modern times. With more than six million objects, the museum boasts the largest urban history collection in the world. Its two current locations, the Museum of London and the Museum of London Docklands, together host over a million visitors every year. The museum has also received countless awards, including “European Museum of the Year” in 2012.

Adam Monnery, Head of Information and Communications Technology, leads a team of eight to manage everything IT-related, including telephony, network, and in-house infrastructure. The team supports over 300 employees.

“Previously, our key objective was putting in place the right infrastructure to enable us to protect and scale our massive digital collection. Now, we’re focused on delivering value back to the business. This means adopting collaboration tools, mobilizing our workforce, and enabling our business to work cross-functionally,” said Monnery. “Rubrik is a critical piece of that puzzle.”

LENGTHY RECOVERIES AND RISING COSTS WITH LEGACY TAPE AND DR

Monnery’s team struggled with increasing complexity, particularly due to the management overhead and prolonged recoveries with tape and offsite storage. “Whenever we needed to recover anything older than a week, we had to resort to tape. However, tape required a minimum two-day turnaround time and was error-prone. Occasionally, we would end up with wrong or corrupt tapes. This greatly impacted the business since we could not guarantee the RTOs and RPOs needed,” said Monnery.

When they shifted to a virtualized environment, Monnery’s team also set up a SAN to SAN replication. Data was replicated every hour between the primary and backup SAN with a week’s worth of retention. “Managing and restoring from SAN was too expensive. We wanted to remove the cost of our secondary SAN, and enable a faster and more cost-effective DR solution,” said Monnery.

NATIVE INTEGRATION WITH ORACLE RMAN FOR FASTER RECOVERIES

The Museum of London ran high priority workloads, including its main collections database, on Oracle. “With our legacy solution, we were heavily reliant on a dump-and-scrape method for backup. Also, everything was archived to tape. If we wanted to recover our files, we’d have to create a database from our backups, however, since we outsourced our Oracle DBAS, we weren’t confident enough to handle Oracle restores internally,” said Monnery.

Rubrik’s seamless integration with Oracle RMAN provides peace of mind to Monnery’s team. “It’s a huge relief for us knowing that our most critical database is protected with Rubrik. We can instantly find our Oracle backups and files and recover quickly from any point-in-time snapshot,” Monnery said.

DELIVERING INSTANT RECOVERY AND CLOUD MOBILITY BACK TO THE BUSINESS

Monnery and team were introduced to Rubrik by their reseller, IGX Global. While the team evaluated several different vendors, they were disappointed by the lack of innovation among the other solutions. “Everyone wanted to sell us tape, SAN to SAN replication for disaster recovery, or more backup storage and software. Everything was on separate platforms and brought additional costs and management overhead,” said Monnery.

“Rubrik brought a fresh approach to data protection. We loved that it was vendor-agnostic and cloud-native, giving us the flexibility to scale to any cloud. It also provided consumer-grade simplicity combined with policy-based intelligence and fast recoveries,” said Monnery.

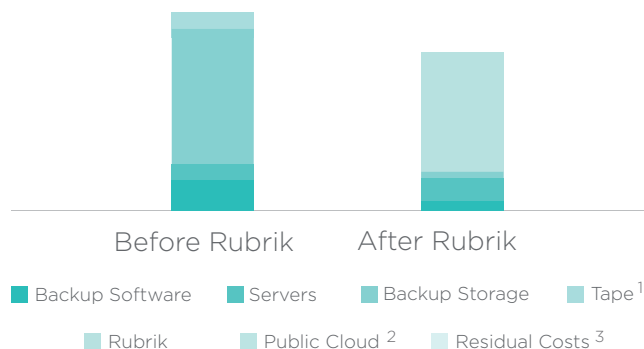
Museum of London now uses Rubrik to manage its physical and virtual environment, including its SQL and Oracle databases.

Benefits include:

- **90%+ faster restores:** “With our legacy solution, it would take us a minimum of two days to restore a file from tape. Rubrik only takes minutes. In the event of a disaster, Rubrik gives us confidence that we can minimize downtime and recover any system within an hour.”
- **90%+ management time savings:** “We’ve gone from spending 15 hours a week monitoring backups to 1 hour a week. We’re now using this time to invest in automation and strategic initiatives that drive greater business value.”
- **Improved backup performance:** “Incremental-forever backups deliver much faster backups. Previously, we were doing monthly full backups with daily differentials to tape, which meant pulling terabytes of data across the network every night. Some of these full backups could take up to a week. Now, hourly backups are completed in minutes.”
- **Rubrik for physical and virtual SQL:** “Rubrik has a native integration for SQL Server. One of our main challenges with our prior solution was the lack of reporting on our SQL backups to ensure there were no failures. With Rubrik, we can check our daily SLA report or create our own protection reports to understand if all our SQL servers have been backed up successfully.”
- **Stronger disaster recovery solution with reduced data center footprint:** “Rubrik met all of our IOPS requirements for a full DR restore of our environment. As a result, we eliminated our DR SAN. This helped us significantly reduce costs and future-proof our infrastructure.”
- **Global search for file-level restore:** “Previously, recovering a file was completely dependent on the user remembering the exact location. Now, all we need to know is the file name, and we can recover it in seconds.”
- **Management simplicity:** “Rubrik’s interface is easy enough for anyone on our team to use and requires no special training.”
- **Aligning SLAs to the business:** “Our previous solution treated disaster recovery and backup as two separate policies. Now, we can create one SLA for both, and Rubrik does the rest.”
- **Easy migration to public cloud:** “We’re excited to explore replication in the cloud for a stronger disaster recovery strategy. Since Rubrik is cloud-agnostic, it can enable a multi-cloud environment without any vendor lock-in. Our previous solution would have required special skills in cloud architecture and APIs.”
- **API-driven automation:** “We are excited to leverage Rubrik’s RESTful APIs to automate workflows at scale, including automated testing.”

TOTAL HARD SAVINGS BEFORE AND AFTER RUBRIK

Rubrik has helped the Museum of London reduce its TCO by 15%. “With Rubrik, we’ve drastically reduced backup software licensing costs and are no longer using tape for daily and monthly backups,” said Monnery. “Overall, Rubrik has provided us with a far more advanced and streamlined data management architecture.”



Notes:

1. Media, maintenance, off-site handling
2. Long-term data retention storage and transfer costs
3. Includes contractual maintenance
4. All costs include initial capital outlay and annual recurring spend