



Clarien Bank Ltd Replaces Tape Backup in Favor of ExaGrid Disk Backup Appliance



BERMUDA

Customer Overview

Capital Client driven. Integrity. Teamwork. The highest principles enable you to navigate in any conditions. At Clarien Bank, we consider these principles essential as we deliver world-class financial services to individuals, families, corporations and institutions worldwide, especially with respect to providing offshore solutions.

Clarien has more than eight decades of banking history in one of the world's most dynamic and sophisticated financial, investment and insurance centres. We strive to be the trusted advisor of choice, committed to diversify and grow in the service of clients worldwide who demand leading fiduciary management expertise, a broad range of world-class products and services, and a secure global banking platform.

Key Benefits:

- Deduplication increases speed of data backup and replication, and maximizes disk space
- Data restored easily and quickly from ExaGrid's landing zone
- Easy-to-manage system saves IT staff time on administration
- ExaGrid works with both of the existing backup applications
- Two-site system provides disaster recovery

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Trevon Fubler
Senior Network Analyst

Need for Faster Backups and Restores, Better Disaster Recovery

The IT staff at Clarien Bank had long been frustrated by slow and unreliable backups and restores. Using tape to protect and back up its data, which included highly confidential customer and financial information, the bank had difficulty managing the process at remote sites.

At the bank's main headquarters, nightly backups often pushed and exceeded the backup window, and restoring data from existing tape libraries was slow and very time consuming.

"The organization decided to move to a disk appliance because we wanted to reduce our reliance on tape, meet our backup windows, and improve our ability to recover from a disaster. We needed a system that would enable us to replicate data from our remote locations to our main data center," said Clarien Senior Network Analyst, Trevon Fubler. "We considered different solutions but chose ExaGrid for its overall performance, scalability and price."

ExaGrid Provides Data Replication from Remote Sites, and Data Deduplication to Maximize Disk Space and Speed Transmissions

Clarien installed a two-site ExaGrid system including a primary ExaGrid appliance at its main headquarters and offsite for disaster recovery. The ExaGrid solution works in conjunction with Clarien's backup application, Veritas NetBackup.

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working with tape," said Fubler. "We don't have to constantly change tapes because everything is automated. Our process is more streamlined – making us more confident that our backups are completed every night."

Fubler also said that ExaGrid's data deduplication technology helps reduce the amount of data stored and maximize disk space. "ExaGrid's data dedupe helps us in a couple of ways. It maximizes the amount of disk space we have on the ExaGrid units, and it speeds the data transmissions between systems because only the changed data is backed up each night."

ExaGrid writes backups directly to a disk-cache Landing Zone, avoiding inline processing and ensuring the highest possible backup performance, which results in the shortest backup window. Adaptive Deduplication performs deduplication and replication in parallel with backups for a strong recovery point (RPO). As data is being deduplicated to the repository, it can also be replicated to a second ExaGrid site or the public cloud for disaster recovery (DR).

Fast Backups and Restores

Fubler said that since installing the ExaGrid appliance, the bank can complete its backups each night within its backup window. In addition, restores can be done within a matter of minutes or even seconds, depending on the file.

"The ExaGrid system has really given our team more bandwidth to focus on other IT initiatives and priorities. We no longer spend hours managing tape. The time it used to take us to pull tapes, catalog, label, and get them offsite, is gone," said Fubler.

Easy Setup, Industry-leading Customer Support

Fubler said the ExaGrid system was easy to install and configure to its infrastructure. "The management interface in ExaGrid is very user friendly which was an added bonus for me."

The ExaGrid system was designed to be easy to set up and operate. ExaGrid's industry-leading level 2 senior support engineers are assigned to individual customers, ensuring they always work with the same engineer. Customer's never have to repeat themselves to various support staff, and issues get resolved quickly.

"My experience with ExaGrid's technical support team has been great. I have a dedicated account manager who knows my system inside and out and is extremely helpful and proactive," said Fubler. "If we have any issues at all, I know I can count on support to resolve them quickly and completely."

Architecture Delivers Smooth Scalability

As Clarien's backup needs grow, the ExaGrid system can scale easily to meet increased demands. ExaGrid's appliance models can be mixed and matched into a single scale-out system allowing a full backup of up to 2.7PB with a combined ingest rate of 488TB/hr, in a single system. The appliances automatically join the scale-out system. Each appliance includes the appropriate amount of processor, memory, disk, and bandwidth for the data size. By adding compute with capacity, the backup window remains fixed in length as the data grows. Automatic load balancing across all repositories allows for full utilization of all appliances. Data is deduplicated into an offline repository, and additionally, data is globally deduplicated across all repositories.

This combination of capabilities in a turnkey appliance makes the ExaGrid system easy to install, manage, and scale. ExaGrid's architecture provides lifetime value and investment protection that no other architecture can match.

ExaGrid and Veritas NetBackup

Veritas NetBackup delivers high-performance data protection that scales to protect the largest enterprise environments. ExaGrid is integrated with and certified by Veritas in 9 areas, including Accelerator, AIR, single disk pool, analytics, and other areas to ensure full support of NetBackup. ExaGrid Tiered Backup Storage offers the fastest backups, the fastest restores, and the only true scale-out solution as data grows to provide a fixed-length backup window and a non-network-facing tier (tiered air gap) for recovery from a ransomware event.

Intelligent Data Protection

ExaGrid's turnkey disk-based backup system combines enterprise drives with zone-level data deduplication, delivering a disk-based solution that is far more cost effective than simply backing up to disk with deduplication or using backup software deduplication to disk. ExaGrid's patented zone-level deduplication reduces the disk space needed by a range of 10:1 to 50:1, depending on the data types and retention periods, by storing only the unique objects across backups instead of redundant data. Adaptive Deduplication performs deduplication and replication in parallel with backups. As data is being deduplicated to the repository, it is also replicated to a second ExaGrid site or the public cloud for disaster recovery (DR).

About ExaGrid

ExaGrid provides Tiered Backup Storage with a unique disk-cache Landing Zone that enables fastest backups and restores, a Repository Tier that offers the lowest cost for long-term retention and enables ransomware recovery, and scale-out architecture which includes full appliances with up to 2.7PB full backup in a single system.

Learn more at www.exagrid.com.

