



Redesign and transition Multinational mining, metals and Petroleum Corporation's legacy backup environment from existing infrastructure to EMC Tapeless backup solution Infrastructure

NYGCI

Contact Us Today!
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Client: Multinational mining, metals and Petroleum Company in Houston, TX

Business Objective: Redesign and transition their legacy backup environment from existing infrastructure to EMC Tapeless backup solution Infrastructure

Technical Solution: EMC Tapeless backup and reporting solutions

Value: NYGCI provided IT solution to client to protect their valuable data by designing a backup and restore strategy and provided them with reporting tools to report the success ratio of the daily backups. Our solution ensured client with 100% recoverability.

Executive Summary:

Client needed to change their existing backup infrastructure from legacy tape solution to industries leading tapeless solution using EMC hardware and software. Client legacy environment consist of VMware, Windows, Linux, Exchange, SQL and oracle. NYGCI managed this project by providing them an IT Solution by implementing a new backup and restore strategy using EMC technologies, configuring new infrastructure, successfully backing up the client environment by meeting RTO and RPO within the existing backup window.

Description:

NYGCI implemented and managed this project. NYGCI first step was to analyze client's legacy backup technologies and forecasting their future growth. NYGCI identified their customers Recovery Time Objective (RTO) and Recovery Point Objective (RPO) requirement, backup window hours, total number of agents by their needs (VMware, SQL, Oracle, Exchange, Windows and Linux).

Once this was identified, NYGCI designed new backup environment, configure the backup infrastructure using built-in code, client plugins and different protocols such as NFS, CIFS, DDBoost and Virtual tape libraries.

NYGCI then analyzed and understood their type of data being backed up, size of each type of data, requirement for protecting the environment for business continuity in case of a disaster. Designed alerts on any failure to ensure 100% recoverability of data in case of a disaster. Reporting was also required to ensure that SLA is met for the backup environment.

NYGCI then tasked to develop a blue print of the backup schedule, plan the backup for different type of data, plan backup groups as necessary and provide plans that could be utilized for the backup management.

NYGCI designed the Backup and Restore strategy and presented the client with a solution that provided a clean backup strategy which met the client requirement from backup and restore of their environment. The strategy had detailed plans for backing up different types of data including VMware, SQL database, Oracle database etc. that were easy to manage and yet provide a 100% recoverability of the data both onsite and offsite with tapeless solutions.

Once client was satisfied with the plan, NYGCI brought new backup and restore strategy to life by configuring the agents, ensuring the backups were successful, configuring the backup



infrastructure to replicate the data over the wire for seamless offsite data storage, implementing reporting software that helps to monitor and report on the backup and storage environment. The reports that we built provides detailed information on every client that is backed up each cycle.

At the end of the project, client witnessed our restore test which meets their RTO and RPO requirements from both onsite and offsite data recovery.

NYGCI continued to provide L3 support by managing their backup environment on a daily basis and support client's future data protection needs.

NYGCI is proud of its team who successfully provided an IT solution to this client and bringing L3 Support business to us!