

DISASTER RECOVERY FIRM CASE STUDY



Cirrus Protect On-Premises saved this end user from a major ransomware attack as well as from several virus attacks. As a result, the partner involved is planning to double CPO protection in the coming year.



THE CHALLENGE

One of the top five disaster recovery solutions providers in APAC was looking for a DR solution that it could offer to its customers, which include some of the largest telecom companies, universities, energy companies, financial institutions, as well as a stock exchange. The chosen solution would form the backbone of the firm's DR practice and would need to provide the best RPO and RTO so that the company could be adaptive and responsive to its major clients' DR needs.

Additionally, the company required a comprehensive Data Copy Management framework which would allow creation of parallel testing, backup, and reporting environments, while not touching production data. The solution would also need to be deployed non-disruptively due to the 24/7 access required by customers.

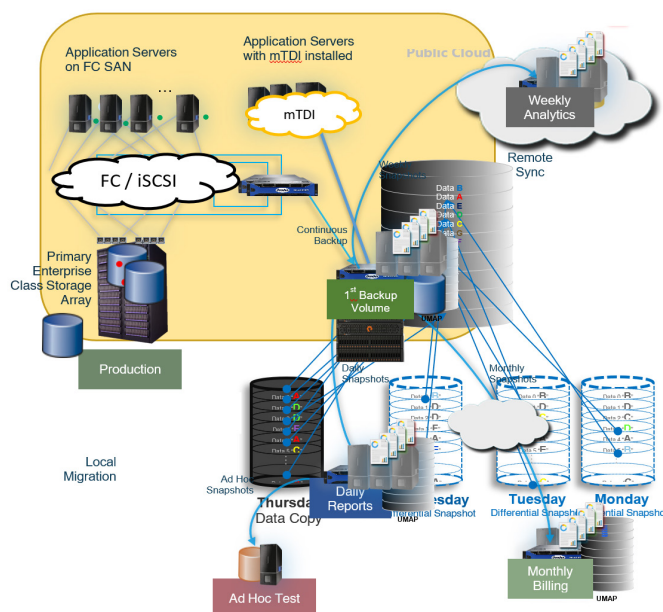
THE SOLUTION

Eight Cirrus Protect On-Premises appliances were deployed in the spring of 2020, with each appliance protecting approximately 100 Linux and Windows hosts. Cirrus' patented mTDI agents were installed on each client with no downtime, essentially implementing the Cirrus Protect solution from the client side.

Two local sites were configured to continuously mirror data to each other, while a copy of the data was also replicated to a remote location every thirty minutes. In the case of local data center failure, the replica could quickly and seamlessly stand-in for the production site.

Over 78,000 snapshots are available at any given time for data backup and recovery purposes, as well as for creating staging environments for testing server upgrades. With Cirrus Protect On-Premises, these actions can be always be conducted at any time of day without production impact.

Over the last year, Cirrus Protect's built-in dedupe engine has achieved a 4:1 data reduction ratio, saving the company a tremendous amount of money due to lowered storage requirements.



Cirrus Data ensures that the storage service is always available. Even in a worst-case scenario of total production storage loss due to ransomware or virus attack, Cirrus Protect's TimeWalker feature provides the ability to roll back production data prior to the malware event, with the industry's best RPO and RTO.

For more minor issues, companies can use Cirrus Protect's surgical repair to restore only the data that is damaged or deleted.

Cirrus Protect On-Premises has been running in this DR firm's production environment for two years now, and it saved the company from a major ransomware incident as well as a number of virus attacks.

Due to the various time and cost benefits realized from deploying the Cirrus Protect solution, the firm plans to double its Cirrus Protect footprint in the coming year.

QUICK FACTS

Customer Type

Top five DR firm in APAC

Primary Storage

EMC
Huawei
HDS

Journal Storage

SSD

Number of Hosts

Over 800 Linux / Windows

Applications Protected

Oracle, SQL, ERP, CRM, Web

Total Data Protected

Over 650TB

Remote Replication Interval

Every 30 minutes

Number of appliances

6 CPO (DGS) Appliances

Snapshot Policy

Over 78,000 snapshots
available

CHALLENGES

- A non-disruptive deployment for on-premises data protection
- Minimum impact on production I/O
- Business continuity with best possible RPO / RTO
- Copy Data Management requirement for testing, report, backup
- Compatibility requirements for most Enterprise Linux kernels, Windows Server family
- Remote replication / disaster recovery ready

SOLUTION

- mTDI agents seamlessly installed on hundreds of individual hosts
- SSD-based I/O journaling
- Flexible snapshot policy for total data recovery
- Continuous data protection with TimeWalker surgical data repair
- De-duplicated data repository

RESULTS

- Zero-impact deployment of mTDI agents and Cirrus Protect On-Premises
- Continuous data protection
- Worry-free ransomware protection, virus protection with total recovery

ABOUT CIRRUS DATA

Cirrus Data Solutions Inc. is a leading technology provider of next-generation solutions for data mobility, specializing in block data migration and protection. The company distributes its solutions through systems integrators, managed service providers, channel resellers, and partners including HPE, IBM, Dell Technologies, Microsoft Azure, AWS, Hitachi, NetApp, Pure Storage, Infinidat, AEBS, AHEAD, CDW, SHI, Park Place, Presidio, ePlus, Insight, Computacenter, Sirius, WWT and many others. Cirrus Data Solutions is headquartered in Syosset, New York and has offices located in Dublin, Ireland, and Nanjing with sales and support offices in Boston and Chicago.

To begin your digital data transformation, [visit Cirrus Data Solutions online](https://www.cirrusdata.com).

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