

Cirrus Migrate On-Premises automates the manual tasks that are usually associated with data migration; automation saves time and reduces the chance for errors.

THE CHALLENGE

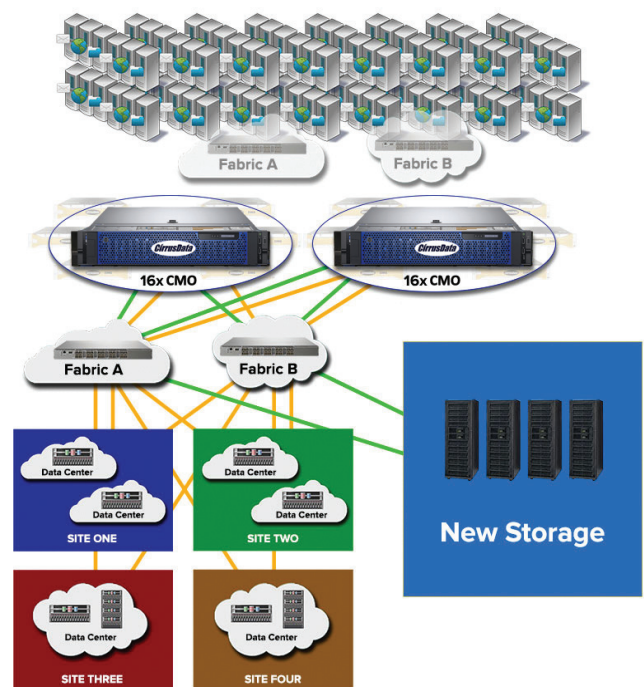
A Cirrus Data Solutions technology partner conducted this migration at a major aerospace facility where only technicians with security clearance were allowed access to the mission-critical production environment. The migration project faced additional challenges such as very old legacy hardware (including some SUN Microsystems storage arrays), non-standard practices in zoning and LUN masking, etc. The resulting environment complexity caused a very large number of paths to be discovered and mapped by the Cirrus Migrate On-Premises (CMO) appliance upon insertion (over 20,000).

THE SOLUTION

Despite the complexity surrounding this migration, including its complicated schedule, the simplicity of CMO allowed the technology partner to perform the insertion, migration, and cut-over smoothly with minimal training and with very little help from Cirrus Data, even with very little lead and setup time allotted.

CMO is the perfect solution for projects with little to no time for preparation and setup. It attaches to the production environment in seconds, simply plugging into the existing fabric and seamlessly inserting into the data path while all systems are kept online, and migrates your data to any type of new storage array you designate. CMO also automates the manual tasks that are usually associated with data migration; automation saves time and reduces the chance for errors. Cirrus Data's Transparent Datapath Intercept (TDI) patented technology enables live deployment with zero downtime.

The fact that CMO could be deployed without any downtime while mission-critical applications continued to run was integral to this aerospace government facility choosing the solution. Due to varying schedule requirements and delays in third-party hardware procurement, the CMO appliances were deployed in the data path for an extensive period of time (many months) with no negative impact to the production environment.



QUICK FACTS

Customer Type

Aerospace

Customer Sector

Government

Source Storage

EMC, HDS, HP, SUN, IBM –
27 source arrays, 6 data
centers, 4 sites

Target Storage

IBM – 4 target arrays

Number of Hosts

>100

Host Types

Solaris, VMware, Windows,
Linux

Host Applications

Oracle, ESX, Lotus Notes

Replication Type

Local and Remote

Number of CMO and model

32 x CMO4000

Insertion Method

Storage Side with Switch

CHALLENGES

- No downtime allowed for insertion
- Secure, mission-critical environment with diverse host platforms
- Large number of paths in SAN environment (over 20,000)
- Mix of remote and local migration
- Due to the customer's stringent project timing, not all hosts could be migrated at the same time, resulting in a complex migration schedule

SOLUTION

- CMO appliances can be deployed for migration without any downtime, and while applications are running
- Built-in TCP stack enables remote migration across data centers
- Compression and encryption deliver secure and efficient remote migration

RESULTS

- Deployment process was smooth due to no required changes to the existing environment
- Remote migration was efficient, resulting in almost a 7-to-1 bandwidth savings due to compression
- Zero-impact design allowed for prolonged in-band deployment, where migration could be scheduled at the convenience of the application owners

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).

Cirrus Data USA

6800 Jericho Turnpike Suite 213W
Syosset, NY 11791

EMEA Headquarters

Unit 19, The Exchange - Calmount Park
Calmount Avenue, Dublin D12 F5X0
IRELAND

Website: <https://www.cirrusdata.com>

Email: info@cirrusdata.com