

# CIRRUS MIGRATE CLOUD

## Turbocharge Your Migration to Oracle Cloud Infrastructure



CIRRUS MIGRATE CLOUD PROVIDES STORAGE ENGINEERS A SINGLE TOOL FOR ALL THEIR BLOCK STORAGE MIGRATION REQUIREMENTS - FROM ANY LOCATION TO OCI

Move to Oracle Cloud Infrastructure (OCI) quickly, without downtime or service interruptions.

One of the biggest obstacles to companies migrating to new on-premises or cloud storage is data friction - the cost in time, energy, and attention that impede companies' ability to move their data to more cost-efficient and better-performing storage, or storage that offers enhanced data management features. Shrinking maintenance windows, the always-on demand for data access, and vendor lock-in only compound the problem.



For over a decade, Cirrus Data Solutions' appliance-based, block-storage array agnostic migration solution has helped Fortune 100 companies and small businesses alike make migration operations as error-free and as non-disruptive as

possible, moving thousands of petabytes of data and overcoming data friction.

With mass adoption of cloud applications and cloud storage solutions, cloud migration tools are entering the market to address the need for companies to move their workloads to the cloud. Most of these are basically repurposed DR solutions that have been quickly and often haphazardly adapted for data migration. In contrast, Cirrus Data's Cirrus Migrate Cloud

(CMC) has been designed from the ground up to deliver data mobility in the most efficient manner for workloads in the cloud as well as on-premises. Cirrus Migrate Cloud can eliminate data friction and move data from any block storage to OCI simply, efficiently, securely, and with minimal impact on production operations.



CMC is a software-based solution that can significantly reduce the migration time, complexity, and cost for companies moving to the cloud, all while reducing downtime, (in some cases to zero).

CMC is the industry's first and only migration tool that allows the host application to be running throughout the deployment, migration, and I/O cutover from old storage to new storage.

CMC can quickly, easily, and efficiently migrate data from any location to OCI - including from on-premises to OCI, or from any cloud vendor to OCI. It can deploy quickly at scale, eliminates many touch points that can typically introduce human error, can speed migration to OCI by a factor of 4-6x, and can do all this without downtime or negative application impact associated with other cloud migration solutions.

# CirrusData®

There are an unending number of pain points companies encounter when moving data from on-premises to the cloud.

CMC was created to help eliminate data friction and create an easy on-ramp to cloud-based services such as OCI.



## KEY BENEFITS

### ZERO FOOTPRINT

No deployment of any physical or virtual appliance needed at the cloud or on-premises locations

### SIMPLE, SECURE DEPLOYMENT

Simple, single-line installation command that can be automated at scale using widely available orchestration tools

### ZERO DOWNTIME END-TO-END

Applications run continuously through deployment, migration, and cutover

### LOW IMPACT TO PRODUCTION APPS

During online migration: iQoS ensures limited I/O bandwidth is shared efficiently with user-selectable impact levels to production

### AUTOMATION AND INTEGRATION

Plug-ins for AWS/Azure native block storage, cloud virtual arrays, and on-premises FC/iSCSI arrays

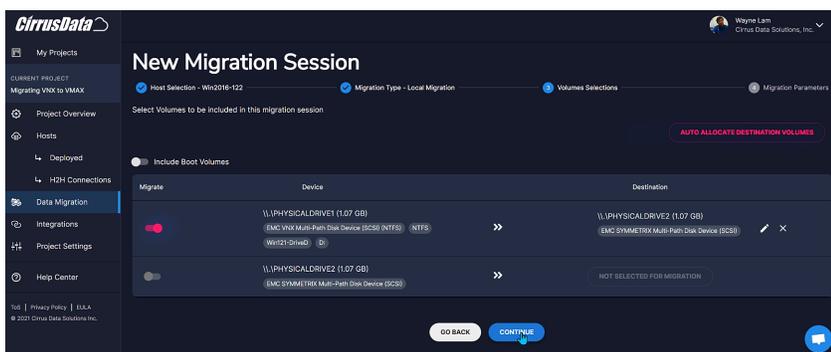
### BUILT-IN REMOTE MIGRATION SUPPORT

Direct Host-to-host TCP/IP protocol with encryption and data reduction

### AUTOMATION TOOLS

Destination storage integration allows automated host remediation steps such as setting up iSCSI connections, creation of matching destination disks, creation of host entities at each array

The Cirrus Data Cloud web-based portal centralizes all CMC management from a single-pane, executing migration sessions organized by Account and by Projects. Each mTDI agent registers with the Project at the CDC Portal, thereby automating discovery and host selection processes. This architecture of fully distributed data mover plus central management by cloud portal yields the desired result of zero footprint for any on-site appliances (physical or virtual), plus scalable performance at a near-infinite level.



Self-contained, independent data movers are deployed as “thin agents” (called mTDI™) at each host, after which an off-site cloud-based portal is used to manage the data movers. This innovative solution makes it possible to have thousands of host-based migration sessions running without creating bottlenecks at any physical or virtual appliances.

The mTDI agents simply perform low-impact, block-level redirection either among local block devices (for local migration) or to a remote host also running the mTDI agent as a receiver. For remote migration, the mTDI also performs encryption and data reduction to deliver up to 8x bandwidth savings. Each mTDI Agent is installed at the host level by executing a single command, and even this process can be automated to deploy rapidly and at-scale.

With Cirrus Data and CMC, you can now move data from any block storage to and between different vendors' clouds simply, efficiently, securely, and with minimal impact on production operations.

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