



NoRestore™

redu»io

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Built-in Data Protection and Mobility solution with Instant Recovery

KEY BENEFITS

UNIFIED STORAGE & PROTECTION PLATFORM

Consolidate primary storage, backup, DR, CDM and cloud connectivity in one platform

INSTANT DATA RECOVERY AND MOBILITY

Instantly recover or mobilize multi-terabyte data sets from distant systems or clouds

OPEN DATA PROTECTION

Protect physical and virtual workloads to any iSCSI storage, AWS or private object stores

HIGHLY EFFICIENT TRANSFERS

Transfer only incremental, deduped and compressed data

NATIVE, OPEN, EFFICIENT

The Reduxio HX system with NoRestore combines primary and secondary storage management into a single platform. With NoRestore, our advanced data protection and data mobility technology, customers are no longer tied to a limited set of secondary storage platforms, have to deal with multiple management interfaces, and be content with long recovery times.

NoRestore protects data by continuously sending incremental updates to another Reduxio system, third-party storage or cloud services. Only changed data needs to be sent. Reduxio's global, always-on deduplication technology - NoDup, ensures that a unique block is only sent once.

RESTORE 100TB - IN SECONDS?

Data can be instantly recovered to the same or any other Reduxio system. Restored volumes are made available to servers immediately, enabling an instant availability of the applications and return to production service, all while data is still being copied back in the background.

The unique multi-tiering and data virtualization technologies of Reduxio TimeOS™ make the recovery operations seamless even when performed from a remote system or a cloud service. Once a restore has started, the data is immediately available for the users and applications on the target system.



HOW DOES NORESTORE WORK?

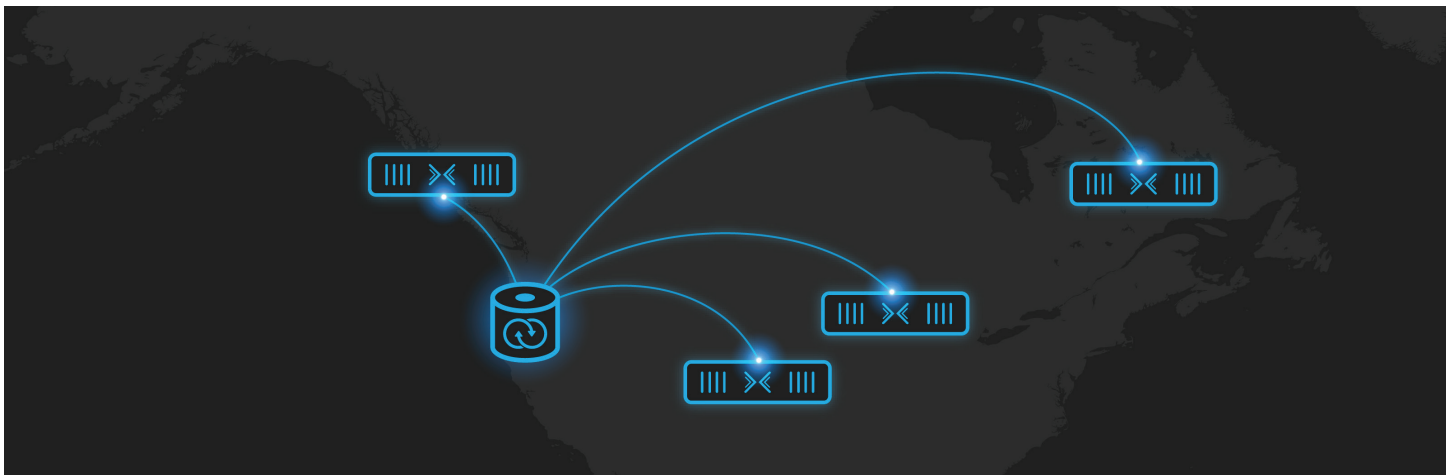
NoRestore leverages Reduxio's unique data virtualization technology to create continuous incremental copies of volume data from a source Reduxio system to a repository on a remote storage destination.

Data is always sent in deduplicated and compressed format, so the data transfer is very efficient and data footprint on the repository is minimized. When restoring a volume, the virtualization technology allows the volume object to be created immediately without copying data, and a restore process copies back the missing data blocks from the remote storage. If a host tries to read data that is still missing, it is fetched on-demand from the remote system. This effectively provides the user with an instant restoration of data, without the need to wait for the full restore to finish, hence the name "No-Restore". Volume recoveries are immediate, occurring within seconds, regardless of capacity.

ONE REPOSITORY - MANY USES

The ability to create a centralized repository of images using NoRestore and the instant restore capability allows NoRestore to be used for multiple use cases beyond data protection.

For example, versions of design data or entire virtual environments can be made available immediately on other systems around the globe. The same data can then be cloned multiple times, creating independent environments for use cases such as development and test and analytics. When there is a need to clone an environment on a secondary storage, in the same or in a remote site, NoRestore provides the capability of creating a standby, up-to-date clone of the data, that can be used for DevOps or tests. The source environment can continue to update the data in the NoRestore repository on the remote machine so DevOps can always work on the latest copy of the data.



Instantly recover and access data with no need to wait for a full restore

Does not require additional software or hardware to acquire and manage

Move large capacity data sets across locations in a split second

Instant recovery, no matter where your data resides - be it on-premise or cloud

Protect data to Reduxio, 3rd-party iSCSI storage, Amazon Web Services or S3-based private cloud buckets

Policy-based management and REST API automation