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HYCU

Integration

Datasheet

HYCU is one of the many backup software technologies supported by PEBYTE Systems appliances.

Unique integration with HYCU allows our customers to:

- establish **fastest restores with integrated disk cache** that keeps the most recent backups in an unduplicated form
- gain from the **most effective global thin replication** to secondary site that supports even the least capable WAN links
- eliminate tape technology from the environment or move tape to the long retention or archive use case scenarios
- use native NFS and CIFS for HYCU as the fastest and cost effective data fabric

The combination of the above features allows for the best possible user experience with PEBYTE Systems appliance for HYCU including:

- industry unique combination of **simultaneous in-line deduplication** as well as **balanced deduplication utilizing unduplicated disk cache** for maximum ingest and restore throughput
- **scale-out architecture** that allows scaling up to multi petabyte repository size (featuring global deduplication, linear scalability based on the amount of nodes, **dispersed data volumes with erasure coding** allowing node redundancy within a data cluster)



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- **up to 50:1 real-life deduplication** ratio use cases that maximize secondary storage efficiency
- industry **unique all-flash backup** repository configurations for the most demanding performance scenarios
- **elimination of primary staged disk pools** usually used to shorten restore times from the most recent backup copy

Top HYCU features enabled by PEBYTE Systems appliance

With PEBYTE Systems appliance and HYCU you can:

- **Maintain planned RPO** objective for your environment
- Create a synthetic full as often as needed with blazing speed data access of flash or rotating disk
- **Boot a VM from the secondary storage system** when the primary environment is offline or for testing purposes
- Maintain auditable capability to restore each backup job with very fast data access
- **Meet your backup window** and ensure replication of critical data off-site