Reduce time to complete backups and restores with Transparent Snapshots with Dell PowerProtect Data Manager

Compared to a competitor solution, Transparent Snapshots Data Mover (TSDM) took less time to perform incremental backups and restore data from a backup on VMware VMs

How fast can your storage solution complete critical backup and restore tasks to avoid interruptions to end users? We compared Transparent Snapshots with Dell™ PowerProtect Data Manager to a solution from Vendor X using their management software and VMware® vStorage API for Data Protection with network block device (NBD) transport mode.
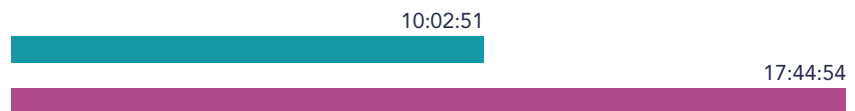
We found that Transparent Snapshots:

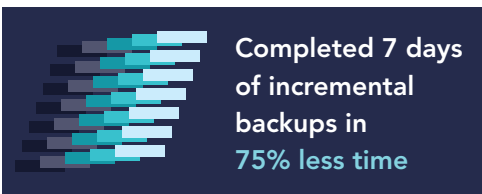■ Dell PowerProtect Data Manager with TSDM   ■ Vendor X with NBD

Backed up 1,000 VMs in 43% less time

Time to back up 1,000 VMs
Time (hh:mm:ss) | Less time is better

- 10:02:51
- 17:44:54

On an initial ingest of 1,000 VMs of various sizes, Dell PowerProtect Data Manager with TSDM completed the backup within a single overnight backup window—while the Vendor X solution could not.

Completed 7 days of incremental backups in 75% less time

Time to complete seven days of incremental backups
Time (hh:mm:ss) | Less time is better

- 4:15:32
- 17:38:15

Incremental backups copy data that has changed since the last backup. Dell PowerProtect Data Manager with TSDM was substantially faster than the Vendor X solution—which reduces risk of downtime and disruption to end users.

Note: Because the above charts depict times greater than an hour, they use a different scale than the charts below.

Restored one large VM in 56% less time

Time to complete a restore of one large VM to a PowerStore array
Time (mm:ss) | Less time is better
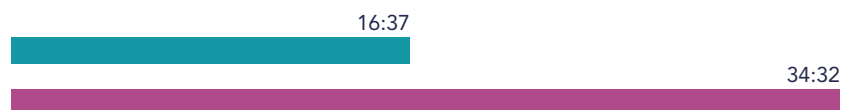
- 09:40
- 22:19

If disaster strikes, it's crucial to restore data quickly to minimize disruption. Dell PowerProtect Data Manager with TSDM restored data in less time than the Vendor X solution, which can save money when every minute counts.

Restored five large VMs in 51% less time

Time to restore five large VMs to a PowerMax array
Time (mm:ss) | Less time is better

- 16:37
- 34:32

Restoring five VMs to a different array was also much faster using Transparent Snapshots on Dell PowerProtect Data Manager, showing its consistency as a backup and restore solution for both midrange and enterprise-level storage.

Learn more at https://facts.pt/4Pf55vZ