

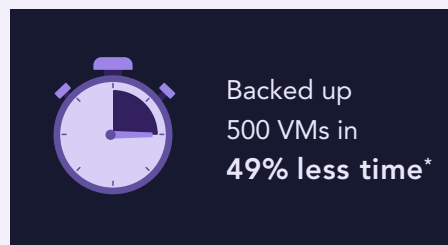
Back up and restore data faster with a Dell PowerProtect Data Manager Appliance

Compared to a competitor, the faster Dell Technologies solution also consumed less power during backup and restore processes

We ran a backup scenario and a restore scenario on two data protection solutions:

- The Dell™ PowerProtect™ Data Manager Appliance with Transparent Snapshots using the Light Weight Delta (LWD) service
- A similarly sized solution from a competitor, which we refer to as “Vendor X,” using their management software and the VMware® vStorage API for Data Protection (VADP) using the network block device (NBD) transport mode

We found that a Dell PowerProtect Data Manager Appliance:



Time to back up 500 VMs

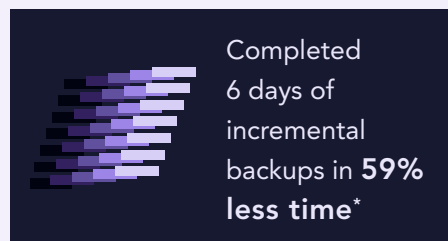
Time (hh:mm:ss) | Lower is better

Dell PowerProtect Data Manager Appliance with Transparent Snapshots

9:05:44

Vendor X solution with NBD

17:51:31



Time to complete six days of incremental backups

Time (hh:mm:ss) | Lower is better

Dell PowerProtect Data Manager Appliance with Transparent Snapshots

6:02:46

Vendor X solution with NBD

14:57:57



Time to restore one large VM

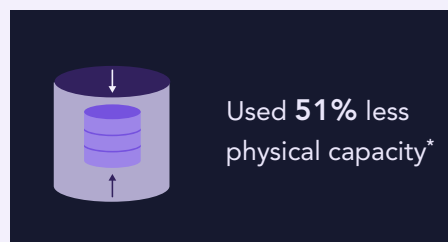
Time (mm:ss) | Lower is better

Dell PowerProtect Data Manager Appliance with Transparent Snapshots

9:44

Vendor X solution with NBD

21:31



Used physical capacity after processing 504 TB of logical data

TB | Lower is better

Dell PowerProtect Data Manager Appliance with Transparent Snapshots

20.17

Vendor X solution with NBD

41.45



Total watts consumption while restoring one large VM

Watts | Lower is better

Dell PowerProtect Data Manager Appliance with Transparent Snapshots

6,366

Vendor X solution with NBD

18,257

*compared to Vendor X solution

Note: Because some of the charts depict different measurements, they use different units and scale.

Read the full report at <https://dell.com/en-us/shop/scc/sc/data-protection>



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