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:**

<table>
<thead>
<tr>
<th>Action</th>
<th>Dell PowerProtect Data Manager with TSDM</th>
<th>Vendor X with NBD</th>
<th>Time (hh:mm:ss)</th>
<th>Less time is better</th>
</tr>
</thead>
<tbody>
<tr>
<td>Completed 7 days of incremental backups in 75% less time</td>
<td></td>
<td></td>
<td>4:15:32</td>
<td>17:38:15</td>
</tr>
<tr>
<td>Backed up 1,000 VMs in 43% less time</td>
<td></td>
<td></td>
<td>10:02:51</td>
<td>17:44:54</td>
</tr>
<tr>
<td>Restored one large VM in 56% less time</td>
<td></td>
<td></td>
<td>09:40</td>
<td>22:19</td>
</tr>
<tr>
<td>Restored five large VMs in 51% less time</td>
<td></td>
<td></td>
<td>16:37</td>
<td>34:32</td>
</tr>
</tbody>
</table>

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.

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.

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.

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