

Integrated data protection appliances from Dell Technologies are faster than a competing platform in a series of 3rd party performance tests

Minutes matter. Hours can cripple your business. So, the faster you can recover data, the better!

'Backup and recovery' probably isn't the hottest topic in your data center, but it should be. Why? When it comes to impacting your business operations and bottom line, nothing can prove more disruptive and costly than data unavailability; or a data loss, corruption or malware attack event.

Mission critical data is your lifeblood...and time can be "priceless". With exponential data growth, increased security threats and longer data retention spans, you *need* a solution that protects and restores your data quickly and meets your users' SLAs. It's like a race car losing an engine, sidelined in the pits waiting for the backup engine while the competition races on.

And while we understand regular backups may not be the *hottest* task your IT admins perform; data recovery *is* the most important reason why we protect data in the first place. Business continuity and getting operations back online ASAP are crucial. Here, recovery time is money...and *faster* is better. That race with your competition never stops...

Nearly every vendor in the industry makes performance and speed claims. Many without any specs, test data or substantiation.

We at Dell Technologies, however, commissioned Principled Technologies (PT) to test 1:1 the Dell EMC IDPA DP5800 against a similar sized scale-out HCI appliance from a well-known competitor. The test scenario? A series of real-world, apples-to-apples performance backup and recovery tests run on simulated production databases and VMs, like what you would find in most datacenters around the world. Here's a link to our page that references PT's results summary white paper, infographic and short video clip:

<https://www.delltechnologies.com/en-us/data-protection/data-protection-vs-competition.htm#scroll=off>

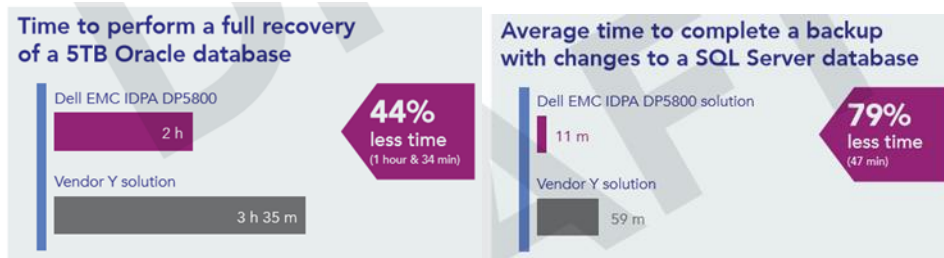
Bottom line? The DP5800 consistently delivered significantly faster backup and recovery performance compared to the competitor's appliance.

Identical tests were run on both vendor systems that included full and incremental backups of a 5 TB Oracle database and a 3 TB SQL database over a simulated 7-day period. Additionally, one test scenario simulated 7 days of a mixed virtual and database backups, including daily change rates.

The Results

- For multi-server environments, the Dell EMC IDPA DP5800, an integrated data protection appliance, completed full backups of databases (not snapshots) faster than Competitor Y's platform
- The DP5800 backups took significantly less run time to back up the same amount of data than Competitor Y
- Additionally, the DP5800 recovered a single large database in significantly less time than Competitor Y

Below are just two test results presented in Principled Technologies' summary white paper.



It took Competitor Y **3 hours and 35 minutes** to complete a full recovery of a 5 TB Oracle database operation, while the **DP5800 was able to complete the recovery in only 2 hours**. That's **1 hour and 35 mins quicker** (44% time savings) for a company to come back online and resume servicing customers again. For a SQL Server database backup, **the DP5800 took only 11 mins compared to Competitor Y's 59 minutes**. A 79% reduction in backup windows.

Now just for fun, multiply the above time delta with, for example, how often your org might regularly back up a similarly sized 3 TB SQL Server database daily. Per above, that's 7x11 min/DP5800 vs 7 x 59 min/Competitor Y. 77 mins vs = 413 mins or 6.8 hours. Adds up doesn't it? With the DP5800, you'd get 5.6 hours freed up for other important IT administrative or critical biz ops tasks. And that's just for *one* week...

From a technical perspective, the Dell's integrated appliance performance advantage also means more efficient use of compute and network resources required for backup and recovery operations. Less resources consumed means \$\$ saved...and optimized.

These results confirm what Dell customers have experienced for years. As data grows, efficiency matters more than ever. Architecture really *does* matter. And Dell Technologies integrated appliances *are* truly efficient...and fast.

Finally, PT's test results also call to question Competitor Y's claims that state that their appliance clusters are 'better' and 'faster' than Dell integrated appliances.

It only gets better from here

In closing, compared to the competition -- in this case "Competitor Y" -- our IDPA DP5800 allows you to do backups and recovery faster and more efficiently. Combined with our data reliability, integrity and data protection consistency, you can consistently deliver to SLA performance with confidence.

You can expect fast performance and efficiency from our newly announced PowerProtect DP series integrated appliances as well. They will continue to deliver short backup and recovery times thanks to significantly improved hardware appliance and a further increase in data reduction performance from an improved compression algorithm.

So, check out our PowerProtect appliances webpage [here](#) or reach out to your Dell sales representative.

And if you're concerned like most about protecting against rising malware and ransomware attacks, I also recommend my blog on Dell Technologies' Cyber Recovery Air Gap vault solution as well.

<https://www.delltechnologies.com/en-us/blog/cyber-attacks-will-your-backup-solution-fail-you-when-you-need-it-most/>