

Improve cyber resiliency and protect data from cyber threats by using an isolated vault, intelligent analytics software, and more

Using intelligent analytics software to detect less-visible cyberattacks can strengthen your data protection strategy, help protect valuable and sensitive information, and reduce the potential for costly downtime.

We tested the intelligent analytics software of two turnkey enterprise storage appliances: CyberSense® for Dell™ PowerProtect™ Cyber Recovery on a Dell PowerStore™ 7000T and a similarly functioning tool from the data management platform of a key competitor ("Vendor X") for a similarly sized array.

We ran each solution through three use cases that required the applications to scan backup files for infections:

Scenario 1



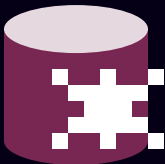
Encrypt all files and obfuscate file names

Scenario 2



Encrypt all files and keep original file names

Scenario 3



Infect a Microsoft SQL Server page

Both solutions discovered the encrypted files with changed file names, but the Vendor X solution needed more incremental backups to create a baseline before detecting the infection

Both solutions discovered the encrypted files, but the Vendor X solution needed more incremental backups to create a baseline before detecting the infection

Only CyberSense was able to scan deep enough to detect the corruption in the SQL Server page

CyberSense only needed 1 full backup, while the Vendor X solution needed a baseline of 1 full backup and 14 incremental backups

Total number of backups each solution required to create a baseline for scanning | Fewer is better



CyberSense for Dell PowerProtect Cyber Recovery



Vendor X data protection analytics software

To learn more, [read the report](#) and the [science behind the report](#)



Dell's products are designed to support customers' efforts to secure their critical data. As with any electronic product, data protection, storage and other infrastructure products can experience security vulnerabilities. It is important that customers install security updates as soon as they are made available by Dell.

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