HPE STOREEVER AND THE STRATEGIC VALUE OF LTO TAPE TECHNOLOGY TO YOUR BUSINESS

Strategic HPE StoreEver attributes are the following:

• High resilience against cybercrime
• Low carbon footprint
• Reliable
• Data protection
• Long term data preservation
• Compatibility and interoperability
• Appropriate capacity
• Powerful insight and management tools
• Flexible purchase

OVERVIEW

Recent advances in analytics and artificial intelligence have created strong incentives for organisations to retain vast amounts of information about their businesses, both information generated from within the enterprise and from the world outside. Combine this with increased financial regulations to keep records available for longer periods of time and you have the perfect "data storm."
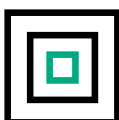
The HPE StoreEver LTO tape portfolio tackles the challenges of this data storm by providing you with reliable, low cost tape solutions for all your data preservation and data protection needs, (especially against ransomware), while at the same time lowering your carbon footprint.

HIGH RESILIENCE AGAINST CYBERCRIME

Many products in the HPE storage portfolio confer certain levels of defence against ransomware. But the reality is that as long as the system is connected to the network, even if only temporarily, the cyber criminals may find unforeseen ways to compromise data, whether that be primary data, which they hold to ransom, or the secondary recovery copy, which they will delete in order to remove recovery options. To fully protect against ransomware, you should maintain a copy of your data that is completely isolated and truly offline, and where only physical – versus electronic – access is possible. HPE StoreEver tape provides this capability by allowing you to physically remove data from the surrounding IT infrastructure and place it behind an 'air gap'.

LOW CARBON FOOTPRINT

As the world turns now with more focus on the climate emergency, businesses will be looking to reduce their carbon footprint. HPE StoreEver's advantage of low carbon footprint per terabyte of data stored, per day, is a powerful reason for including it in future data centre architectures. Tape, once out of the system, consumes no power to store the data. This is important not just to IT groups, but also to the whole organisation as sustainability goals are increasingly being written into corporate and executive objectives. By storing more of your infrequently accessed, but important data on HPE StoreEver tape, you can reduce your overall energy consumption.

RELIABLE

Arguably the most important attribute valued by customers is the reliability of HPE StoreEver technology. HPE's goal is to offer the most reliable tape drives and media by rigorously testing all parts of the solution to extremes. Magnetic tape as a storage medium is exceedingly reliable, with error rates that are four to five orders of magnitude lower than those of hard drives.

DATA PROTECTION

Data protection within HPE StoreEver is achieved by offering reliable backup and restoration of data and a self-contained encryption solution for all MSL libraries. This technology, together with the inherent air gap provided by the tape architecture, allows HPE to provide our customers with the strongest protection possible against ransomware and other cyber attacks.

LONG TERM DATA PRESERVATION

One of the ways in which HPE StoreEver offers superior data preservation capabilities is through HPE LTO Ultrium tape media from which data can be restored for up to 30 years. This is the current state-of-the-art for long term archiving at a reasonably low cost, far surpassing the expected working life of flash and disk drives while offering much lower cost than other long-term media like optical disk.

COMPATIBILITY AND INTEROPERABILITY

All HPE StoreEver tape drives and media are qualified to be compatible and interoperable with a wide range of technologies from other manufacturers. By certifying and qualifying key backup and archival software, operating systems, interfaces and servers, HPE can assure our customers of wide interoperability.

APPROPRIATE CAPACITY

By offering multiple generations of LTO for both drives and media HPE StoreEver can provide you with a range of capacities and associated cost benefits, which enable you to optimise your operations and scale your offline storage of data to match. As data growth rates continue to surge, the capacity of LTO tape is expected to align far more closely to future storage requirements than hard disk drives. Simply put, disk capacity growth will be much lower than tape, which combined with tape's inherent sustainability advantage (see above) makes tape a better prospect for long term archival storage in the coming decade.

POWERFUL INSIGHT AND MANAGEMENT TOOLS

HPE's Command View for Tape Libraries suite of software products provide performance and diagnostic information for proactive alerting, capacity planning, and remote monitoring of performance and diagnostics.

FLEXIBLE PURCHASE

With HPE Financial Services (HPEFS), you can finance new HPE StoreEver equipment without over-stretching cashflow or having to find CAPEX finance upfront. In many cases, a flexible finance solution from HPEFS will cost you less over the full term than actually buying the equipment outright.

Make the right purchase decision. Contact our presales specialists.

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