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B-Free Technology Limited
Most Innovative Mobility
Solution – Hong Kong

Latent Stella

The Benefits of Green Power

Latent Stella Technology Limited invests more than 20% of their annual turnover into research and development. Following the company's success in receiving the award title, Excellence in Technology – China, we interviewed Dr. Mak to find out more about the company's approach to green and efficient power.

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5 Reasons Why Archiving Is Now More Helpful Than Ever - Marc M. Batschkus

Files keep piling up faster than ever. In comparison to previous years, we're using more storage. Finding a specific file becomes increasingly difficult. All of this calls for is an archive. Archiving is more helpful and rewarding than ever.

1. Archiving is easier than ever
Archive software can be easy to install and run. Archiware's P5 Archive makes archiving and restoring straightforward: a browser interface, media previews and proxy clips to browse visually, customisable metadata fields to build an individual metadata schema and more.
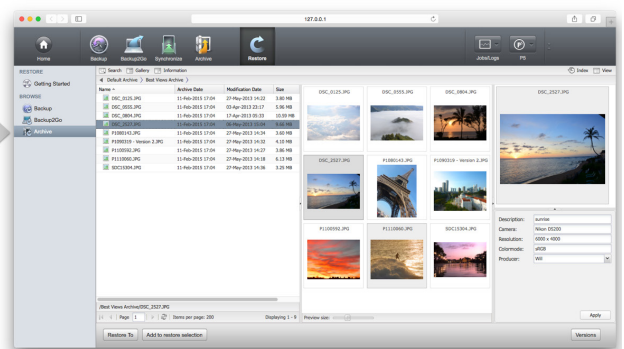
Find out more here: bit.ly/2u4tq70

On the Mac, archiving is even simpler. The P5 Archive App offers a Finder integration so that every user can send files to the archive instantly and reclaim local storage this way. Additionally, an integration with FCP X is built in.

Find out more here: bit.ly/2tFOBKm

2. Files finally getting organized
Let go of piles of hard disks, excel sheets, post-it notes,
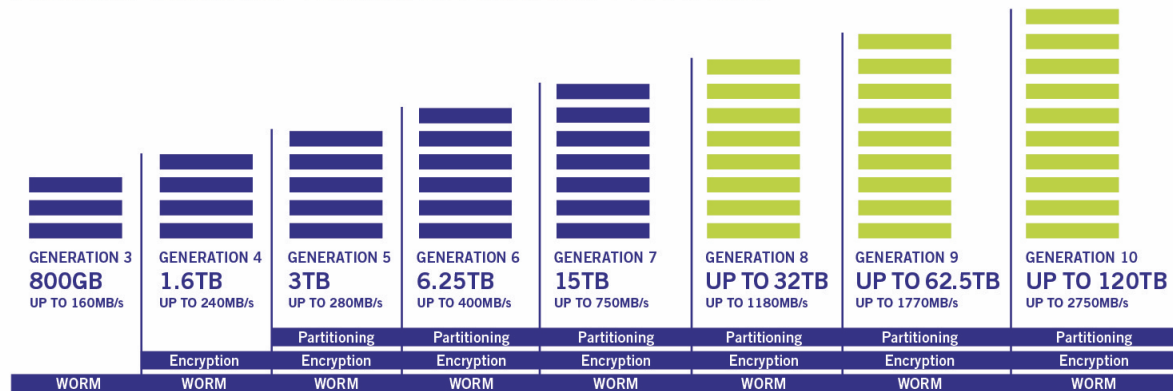
From Disorder to Archive

printed directories, and all those little things that make finding a file cumbersome and unpredictable. The Archive is the central repository of all files that have been completed and are no longer needed for daily production. Essentially, the Archive serves as the company´s file memory.

Your co-workers will be much more motivated to search for files once the process becomes as easy as opening a browser window - as with P5 Archive.

LTO ULTRIUM ROADMAP
ADDRESSING YOUR STORAGE NEEDS

	GENERATION 3	GENERATION 4	GENERATION 5	GENERATION 6	GENERATION 7	GENERATION 8	GENERATION 9	GENERATION 10
	800GB	**1.6TB**	**3TB**	**6.25TB**	**15TB**	**UP TO 32TB**	**UP TO 62.5TB**	**UP TO 120TB**
	UP TO 160MB/s	UP TO 240MB/s	UP TO 280MB/s	UP TO 400MB/s	UP TO 750MB/s	UP TO 1180MB/s	UP TO 1770MB/s	UP TO 2750MB/s
Partitioning			Partitioning	Partitioning	Partitioning	Partitioning	Partitioning	Partitioning
Encryption		Encryption	Encryption	Encryption	Encryption	Encryption	Encryption	Encryption
WORM	WORM	WORM	WORM	WORM	WORM	WORM	WORM	WORM

Note: Compressed capacities for generations 1-5 assume 2:1 compression. Compressed capacities for generations 6-10 assume 2.5:1 compression (achieved with larger compression history buffer).
Source: The LTO Program. The LTO Ultrium roadmap is subject to change without notice and represents goals and objectives only.
Linear Tape-Open, LTO, the LTO logo, Ultrium, and the Ultrium logo are registered trademarks of Hewlett Packard Enterprise, IBM and Quantum in the US and other countries.

3. Archive on any medium
Whether it´s the Cloud, disk or tape storage, P5 Archive offers you the same flexibility for all. Specific strengths:

- Disk is fast and accommodates multiple users
- Cloud offers storage immediately without investment and security because it is offsite
- Tape has the best proven long-term perspective and the best price point per TB
- Offsite storage is easy to arrange, as is scalability – just add tapes

4. Tape is better (and cheaper) than ever
Surprisingly today, tape is the cheapest professional storage medium per TB, at only 10 US $ per TB, with LTO-6. What used to be reserved for larger corporations can now even be used by small companies. The proven long-term perspective and guaranteed 30-year shelf life is unique.

Tape provides maximum protection against online attacks, malware, mishaps, etc. and easy offsite storage. It is also future-proof and backed by a roadmap of the LTO consortium.

The cost of storage has been decreasing for many years, including the cost of tape. However, tape is already an order of magnitude lower than that of a disk (around 100US$/TB enterprise disk vs. 10US$/TB LTO-6 tape).

5. Maximum security for production media
A centralised Archive is protected by a storage strategy e.g. cloned tape sets, off-site storage, combined storage like disk and cloud etc. This is far superior to any unorganised form that leaves the file security to the respective user. Tape is almost completely immune to network attacks, malware, viruses and mishaps. Contrary to disk, infections cannot spread to other tapes. Only the tape that is mounted in the drive can be accessed by the server.

With a guaranteed shelf life of 30 (!) years, tape is ideal for long-term media storage. P5 Archive offers tape cloning to create two identical tape sets, one for off-site storage for maximum security. With P5 Archive, disk and Cloud can also be used to build this level of security and save to off-premise storage.

6. Re-use, reference and monetise your files
Once you have an archive, it becomes extremely easy to build on the work you've already done. Looking for a reference for a customer from last year? Just search in the Archive. Looking for files to re-use for a new project? Just browse the Archive. Combine files to a new product or production? Retrieve any file needed.

7. The Backup profits, too
When all finished productions and completed files are regularly moved to the Archive, the Backup of the production storage is completed faster. Fewer files and less volume means faster runtime.

This keeps the main storage and the Backup storage at a reasonable size and saves money.

There is no better time to start your archive. The benefits are many: save time searching for files, save money for storage expansion, build a central repository for re-use and monetisation. Start planning now and get everyone who will profit from it involved (find help for planning here: bit.ly/1wkHG4W)

Contact Details
Marc M. Batschkus, MD PhD, Business Development Manager at Archiware, has been writing about IT for 24 years. He can be reached at: mmb@archiware.de

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