

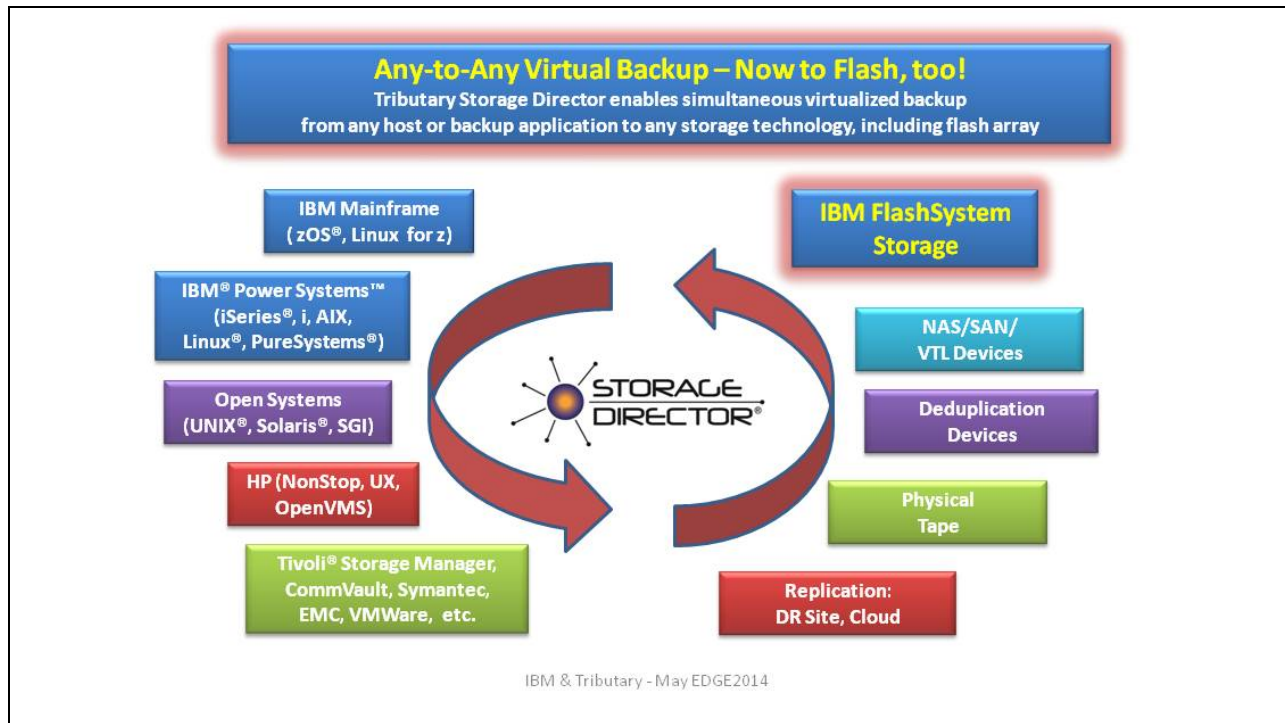


Flash Tape Adds Speedy Diskless Storage To Virtual Backup

At EDGE2014, Tributary Systems Announces That Tributary Storage Director Supports IBM FlashSystem Diskless Storage

Las Vegas, May 18, 2014 – Today at IBM EDGE2014, [Tributary Systems, Inc.](#) announced a new virtual backup application: flash tape, which combines Tributary Storage Director® and IBM® FlashSystem™ storage arrays. Flash tape brings the speed of diskless storage to virtual backup. Tributary Systems is in Booth 230.

[Tributary Storage Director](#) is an “Any to Any” virtual tape backup solution for IBM and non-IBM servers. Storage Director can simultaneously back up data at high speed from many different servers (heterogeneous backup) and then write the data per pre-set rules to multiple storage technologies – now including flash. Storage Director empowers organizations to implement the only fool-proof disaster recovery strategy: redundant data.



Virtual tape – now also on IBM FlashSystem storage arrays – has many business benefits, including: Accessing data rapidly, eliminating power-hungry disk drives, consolidating data centers, and migrating backup to new and faster technologies, among others.

IBM FlashSystem empowers organizations to take advantage of extreme performance, macro efficiency and microsecond response times. FlashSystem can provide up to 90 percent reductions in transaction times, up to 85 percent reductions in batch processing times and up to 80 percent reductions of energy consumption in data center consolidations and cloud deployments.



Flash tape will be especially important for IBM mainframes because virtual tape can improve CPU performance and reduce the need for additional DASD, predicts Tributary's Ed Ahl, citing Tributary's [mainframe virtual tape white paper](#):

Typically, the largest user of tape in the mainframe environment is hierarchical storage management (HSM). It's one of the applications best suited for virtual tape technology. Data can be written directly from DASD (Level 0) to virtual tape (ML2), bypassing the intermediate, compressed-disk (ML1) phase. By eliminating the ML1 step, the mainframe CPU no longer has to use processing cycles for compressing data. The compression is done instead by less costly virtual tape drives, thus enabling profound savings. In addition, eliminating ML1 data from DASD postpones the need to purchase additional DASD. Assuming a 3-to-1 data-compression ratio, approximately 25 percent of DASD can be freed. This is a significant savings because DASD is Tier 1 storage and very expensive.

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About Tributary Systems & Storage Director



Tributary Storage Director® is the only multi-platform "Any to Any" data protection solution for proprietary systems from IBM and HP, as well as open systems. Storage Director optimizes data protection infrastructure and performance, enables backup virtualization and consolidation, reduces costs, and integrates new technologies like flash and cloud. Storage Director is in use at Fortune 20, Fortune 500 and Fortune Global 1000 companies as well as small and middle market companies in banking, financial services, retail, telecommunications and healthcare. Tributary Systems, Inc. (www.tributary.com) is an IBM OEM, Solutions Integrator and z Development Partner.



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