

Nominee: Tegile Systems

Nomination title: Tegile's HA2800 takes centre stage

Tegile is a pioneering provider of flash-driven storage arrays aimed at the virtualised server and virtual desktop environments. From hybrid to all-flash solutions, Tegile offers businesses significantly more options than the average storage vendor, by not forcing square pegs into circular holes but carefully crafting and tailoring storage solutions to meet individual business needs.

Tegile's products are dedicated, purpose-built arrays with the ability to carry out in-line deduplication as well as compression. These distinctive features allow businesses to centralise operations, mitigate the disruptive effects of boot storms and protect data at a lower cost in comparison to those companies who simply offer hard-disk based or solid-state disk arrays. Unlike other vendors, Tegile is the only company with the ability to offer these unique features across its product range.

The HA2800 array

All of Tegile's hybrid arrays are built to balance performance and economics, they leverage the

performance of flash, and the density of hard disks to deliver a compelling storage platform that accelerates a wide variety of workloads in the enterprise. Fully redundant with active/active controllers, these arrays are built for enterprise datacentres with resiliency, data availability and data protection in mind.

The Tegile IntelliFlash HA2800 is a multi-protocol array that can be placed in front of a pool of HDD storage. The array has controller memory of up to 192GB and the raw capacity of 4.4TB/144 TB (min/max). It balances the performance of SSD and low cost-per-TB of high capacity disk drives to deliver five times the performance and up to 75 percent less capacity required than legacy arrays.

The HA2800 offers customers an 'all-flash solution with a hybrid twist' as it has the advantage of both flash and disk. The array has the unique capability to turn into a hybrid solution through the addition of up to two 72TB J2800 expansion chassis, thus it has the ability to

expand capacity up to 144 raw terabytes and address the cost to gigabyte challenge other all-flash arrays cannot tackle. With this distinguishing feature, the HA2800 arrays deliver leading performance with flash but stay affordable by offering hybrid capability.

The HA2800 arrays are all built with IntelliFlash, Tegile's flash-optimised storage software architecture. This integrates multiple grades of storage media to deliver optimal performance (throughput and latency) and best economics for a wide range of enterprise applications. It's designed to provide a platform capable of using a mixture of flash and disk.

Tegile flies with Aer Lingus

Aer Lingus is the national carrier of Ireland, which services more than 11 million passengers each year and has a fleet of 58 aircrafts. In 2014, Aer Lingus chose Tegile as its storage company of choice, beating other vendors such as EMC and Dell. Tegile provided Aer Lingus with a bespoke storage solution designed to revamp its internal infrastructure and better support its business needs.

Aer Lingus' legacy system was unable to cope with the growing volume of data as a result of its expanding business. It selected Tegile's IntelliFlash HA2800 hybrid arrays based on industry renowned high performance, reliability and scalability, as well as the support offered by the Tegile team and their ability to get the implementation completed efficiently and to a very high standard.

The arrays were deployed alongside Aer Lingus' legacy EMC solution to guarantee its server environment remained active, and continuous file share kept functioning. Tegile's arrays are also responsible for housing Aer Lingus' critical data, including many customer-facing databases. Additionally, Tegile's distinctive replication features ensure that Aer Lingus is able to update its company critical data in real-time between its datacentres.

Why nominee should win

- Tegile is an innovative provider of hybrid and flash storage. It's deduplication and compression functionalities provide unrivalled storage solutions

- The HA2800 storage arrays leverage the performance of SSD and low cost-per-TB of high-capacity disk drives
- The HA2800 arrays provide 5x the performance and up to 75 percent less capacity required than legacy arrays
- The HA2800 array is built with IntelliFlash, providing a platform capable of using a mixture of flash and disk
- The HA2800 was chosen by Aer Lingus, beating storage vendors including EMC and Dell, to provide a solution revamping the airlines internal infrastructure and better support its needs