

Nominee: PowerNAS – Server Case UK

Nomination title: PowerNAS Storage Solution

Virtual drives (VDs) are created within the pool and can be striped, or have mirrored or parity (RAID5) resiliency applied. In

our experience parity VDs can hit write performance, but our tests showed that the Rackmount 2U has the power to keep things speedy.

Our 22.5GB folder containing 10,500 small files was copied to a share on a parity VD at an average of 57MB/sec; this improved

significantly to 81MB/sec for a mirrored VD. You can gain a speed boost by using striped VDs, but these are effectively a RAID0 arrangement that doesn't

provide any resilience. Another way to improve I/O performance is to fit some SSDs in the main bays and use WSS data tiering. To set this up,

simply specify the SSD and HDD arrays to be included and WSS will automatically move hot data to the SSD tier.

Why nominee should win

Great Innovative Solution

Great Design Features

Brilliant Knowledge of Storage

Solves a problem

Very Cost effective