



Flash Desk Technology SSD

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Information is getting more and more important in our daily lives. We have become information-dependent, living in an on-command, on-demand world, which means we need information when and where it is required.

Students, Staff and Faculty Members access the IT web and database services at the university every day, send and receive e-mails, share documents and videos, and use scores of other applications. Their information needs to be stored effectively and efficiently in a central data repository (Data Storage).

However, as the university grows and its services increase, so does the burden on the storage environment. Hence, the storage has to be upgraded periodically or replaced to meet new and future requirements. This is why DoIT has just acquired DELL EMC Unity500F AFA, i.e. "To Do More with Less Cost".

An All Flash Array (AFA) is a solid state storage disk system that contains multiple Solid State Drives (maximum of 42000 IOPS/LUN), instead of spinning hard disk drives (maximum of 820 IOPS/LUN) so that we can get hundreds or thousands of IOPS.

AFA Comprehensive Storage Efficiency relies on key features like data de-duplication, compression, thin provisioning, cloning and others that can boost the utilisation and reduce primary storage requirements.

DELL EMC Unity500F AFA has twenty 3TB SSD drives configured as Extreme Performance Pool with a total of 40 TB of usable capacity. The capacity can be dynamically expanded up to 8.0 PB.