



# Education Update

**The biggest STORAGE offering this century!  
Unique to the Education Market**

## IBM's new Storage Solution

### Successfully Managing Data Growth

**Schools of all sizes are struggling with the explosion of information that needs to be stored and managed. Storage capacity requirements are growing on average 40% per year while IT budgets are typically flat.**

The growth of storage required is inescapable. Schools must store and access data to stay competitive and to meet internal and regulatory requirements.

To tame the explosion of information, you need more efficient storage solutions that also make your storage support staff more productive. Taking advantage of the latest IBM technologies will enable you to achieve this goal without adding complexity to your IT infrastructure.

To meet school goals it's necessary to have a more efficient storage infrastructure that frees your IT staff from low value storage management tasks and enables them to focus on leveraging data to make your school more professional and competitive.

## Introducing the IBM® Storwize® V7000 Unified.

### What is it? It is.....

- a virtualised storage system that complements existing virtualised server environments, providing unmatched performance, availability, advanced functions, and highly scalable capacity never seen before in midrange disk systems.
- a single storage system that consolidates block and file workloads for simplicity of management and reduced cost.
- a virtual storage that offers greater efficiency and flexibility through built-in solid state drive (SSD) optimisation, and thin provisioning technologies.
- and finally, its advanced functions also enable non-disruptive migration of data from existing storage, simplifying implementation and minimising disruption to users.

**This is the most powerful and easy-to-use innovative disk system in the storage marketplace today!**

### Highlights

- Delivers sophisticated enterprise-class storage function for schools of all sizes but with limited budgets in mind
- Supports your growing data requirements while controlling costs
- Provides up to 200% performance improvement with automatic migration to high-performing SSDs
- Consolidates block and file storage in a single system for simplicity and greater efficiency
- Enables near-continuous availability of applications through dynamic migration
- Supports faster and more efficient data copies for online backup, testing or data mining
- Offers flexible server and storage management

### Storwize V7000 Unified is for those schools requiring:

- Rack-mounted midrange storage solutions with sophisticated software functions.
- Breakthrough ease of use and management.
- Unified block and file storage.
- Non-disruptive migration from, or virtualisation of, existing disk.
- Ability to start small and pay as you grow for performance or capacity.

**CALL 08 9473 3888 NOW  
for a very limited Bundled Offer  
before 31st December 2011**

# IBM Storwize V7000

## A New Era in Midrange Storage Efficiency.... Why?

### Storwize V7000 Unified helps reduce the growth in storage costs in several ways:

- Built-in storage virtualisation can increase disk utilisation by 30%.
- Thin provisioning is designed to reduce disk storage requirements.
- Space-efficient IBM FlashCopy® can reduce disk storage needed for point-in-time copies by 75%.
- Unified storage capability helps consolidate multiple storage systems for greater efficiency and simplicity.
- Clustered systems support the needs of your growing school while enabling you to buy additional hardware only as needed.

### Storwize V7000 Unified can help your storage administrators be more efficient as well:

- Storage virtualisation can double the productivity of storage administrators.
- Single user interface for block and file storage streamlines administration.
- Easy-to-use graphical user interface (GUI) simplifies management tasks.
- The IBM Systems Director Storage Productivity Center plug-in allows your



systems administrators to be more productive by managing supported IBM System x® and IBM POWER® servers and Storwize V7000 Unified from the same console.

- IBM Active Cloud Engine™ provides automated policy-based management of files to reduce costs through use of tiered storage, and improved data governance.
- Plug-ins support Storwize V7000 Unified with Microsoft System Center Operations Manager (SCOM) and VMware vCenter to help enable more efficient consolidated management in these environments.
- A performance dashboard helps administrators monitor and optimise the system with access to key high-level real-time performance information.

### Storwize V7000 Unified can help you improve service levels:

- IBM System Storage® Easy Tier™ technology can improve performance up to 200% by moving as little as 10% of data to solid state storage and requires no administrator intervention.
- The dynamic migration function helps speed time-to-value from weeks or months to days, eliminating the cost of add-on migration tools.
- IBM Tivoli® Storage Productivity Center for Disk Midrange Edition Performance Optimisation technology can help reduce service times of resource-constrained application by an average of 48% and up to a maximum of 90%.

## Our approach to meeting your goals

When it comes to storage solutions, Moncrieff is able to give you the benefit of our expertise and our partnership with IBM, which has continuously invested in the development of technologies that make your storage infrastructure more efficient and your storage administrators more productive.

IBM Storwize V7000 brings several technologies, previously available only on much more expensive storage offerings, to schools of all sizes. Examples of these technologies are

- thin provisioning,
- unified storage,
- storage virtualisation and

- automated data tiering.

All these advanced technologies are packaged in an affordable, modular platform that is remarkably easy to use.

To meet your storage challenges, Storwize V7000 Unified helps you reduce the growth of storage costs, increase storage administrator productivity, improve service levels and reduce the risk of losing data. Many schools have traditionally had to sacrifice function to avoid complexity. That is no longer necessary; Storwize V7000 Unified is easy to use and is designed to offer all the advanced capabilities to schools of all sizes.

When schools analyse their data growth, they often find that they have to deal with both

structured (e.g. databases) and unstructured (e.g. documents) data through various platforms and management interfaces. The ability to simply manage a single storage platform that can deliver access to structured data via (FC and iSCSI) and unstructured data via (CIFS and NFS) would be a compelling solution. IBM announced this option for the Storwize V7000 on the occasion of the product's first birthday and in IBM's 100th year of delivering real solutions for customers.



Moncrieff is a Perth owned and operated IT company, providing reliable IT services with integrity and has been operating since 1966.

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