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Arcserve and Western Digital Prove Highly Effective Data Protection Doesn't Need to Be Expensive

arcserve®

Highlights

- **Breakthrough Economics:** Offers a cost-effective solution that reduces power, cooling and licensing costs and makes backup repositories simple, scalable and affordable

- **Capacity Where It Is Needed:** Expands backup and archive capacity while freeing space on expensive tier-1 storage

- **Simple Scalability:** Enables simple scalability in the future as needed to keep pace with rapid data growth

Challenges

- **Increasing Demands:** Exploding data rates are pushing backup infrastructures to store more data for longer periods of time, often within a flat or shrinking IT budget

- **Management Difficulties:** Inflexible legacy solutions can't keep pace with data growth, resulting in silos of data that are complex, expensive and costly to manage

- **Skyrocketing Costs:** Keeping pace with explosive data growth is driving up OPEX costs related to powering, cooling and managing multiple silos of data storage

Solution

The combined solution of Arcserve with Western Digital Ultrastar® storage platforms provides protection of business-critical data across physical, virtual and cloud environments with a highly reliable, easily scalable and economical data protection environment that makes data backup and archiving simple and affordable.

Data Is Your Most Valuable Asset

Your data is your organization's most valuable resource. It fuels innovation. Strengthens customer relationships. Guides the strategic decisions that can make or break your business. As you generate more data and store it longer, you face a growing challenge: the high costs and spiraling complexity of data protection and archiving.

Data Protection Is Increasingly Challenging

Data is growing at unprecedented rates and often must be retained for longer or forever. As the value and business-criticality of data increase, the challenges of protecting data are tougher than ever. Adding more data protection appliances to manage increasing volumes of data leads to system sprawl and increased management complexities. Demanding service-level requirements and an evolving threat and compliance landscape are putting pressure on costs and intensifying risk. What's more, as you transform your operation, protecting applications across your data center and the cloud can prove increasingly complex. It's time for a more intelligent approach.

Breaking Down Data Protection Barriers

As a leader in storage, Western Digital is working with Arcserve to deliver innovative solutions that modernize backup and recovery environments to enable complete protection and delivery of the agreed SLAs. Western Digital offers a scale-up and scale-out architecture that provides more backup capacity in the same footprint and enables cost-effective protection of data. This high-density storage solution offers multiple advantages for backup to disk compared to traditional tape, NAS and virtual tape library approaches.

A Simple and Scalable Data Protection Repository

Data protection doesn't have to be so complicated. By combining industry-leading Arcserve with Western Digital Ultrastar storage platforms, you can add scalable, highly reliable capacity to backup repositories and archives easily and affordably. Ultrastar storage platforms connect directly to Arcserve servers with a direct SAS connection. Within seconds, servers can start offloading data to the repository—no complicated configurations or complex architectures required.

The Ultrastar platform makes it easy and inexpensive to increase capacity. Start with as few as 12 HDDs and scale all the way up to 2.0 petabytes[1] (raw) as your backup repository grows—all in a compact 4U form factor. And, if you find you need even more capacity, daisy-chain four Ultrastar platforms together to expand to multiple petabytes of storage at a fraction of the cost of other solutions.

[1]One GB is equal to one billion bytes and one TB equals 1,000GB (one trillion bytes). Actual user capacity may be less due to operating environment.

A Winning Partnership for Data Protection

Arcserve is an industry leader in data protection, making it simple to provide fast, reliable backups for all your workloads. But what's the best storage hardware for offloading data to a scalable backup repository or long-term archive? In this stage of the data lifecycle, blazing-fast performance and advanced feature sets aren't the top priorities. Instead, most organizations want something simple and economical—storage capacity they can plug right into the server cluster, that just works.

Western Digital Ultrastar storage platforms provide the perfect direct-attached storage (DAS) solution. This family of "just a bunch of disks" (JBOD) platforms combines excellent density, strong performance and flexible capacity in a simple, affordable solution.

An Industry Leader in JBOD Storage

Direct-attached backup repositories don't have to be complicated, but you wouldn't know it looking at other solutions on the market. Many high-capacity storage enclosures include features and performance that enterprises rarely need for backup and archiving, with a price tag to match. Others offer simple JBOD storage—but keep costs down by skimping on components, manufacturing and warranties.

Western Digital's Ultrastar storage platforms include unique technologies not found in any other storage platform: patented IsoVibe™ and innovative ArcticFlow™. IsoVibe reduces vibration-induced performance degradation, while ArcticFlow overcomes heating issues by introducing cool air into the middle of the platform. Combining these technologies with HelioSeal® hard drives provides a solution designed for long-term reliability and reduced drive failures, enabling the safekeeping of all the digital content stored on the platform.
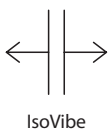
Get Started

Backup appliances and tape libraries can't handle the demands of today's data growth. Multiple disparate backup appliances are expensive to maintain and the silos they create make it difficult to leverage the value of data. Western Digital and Arcserve together can help enterprises modernize their backup and recovery operations with a powerful data protection, storage and management solution.

For more information on how Arcserve paired with Western Digital's Ultrastar storage platforms can turbo-charge your data protection infrastructure and improve business operations, visit westerndigital.com/platforms.

Ultrastar Data102 and Ultrastar Data60 Storage Platforms

IsoVibe Vibration Isolation Technology

Precise cuts in the baseboard provide a suspension for the drives in the chassis, isolating them from transmitted vibration. The result is that consistent performance is maintained, even when all the drives are working hard.

ArcticFlow Thermal Zone Cooling Technology

By introducing cool air into the center of the chassis, drives operate at lower and more consistent temperatures than conventional systems. This results in lower fan speeds, reduced vibration, lower power consumption, quieter operation and ultimately higher reliability.

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