

Simplicity Storage Management Software



The new Simplicity-based family of storage systems are administered by the Simplicity Storage Manager. Simplicity software ensures a friendly and simple user experience from set-up to general administration. This intuitive, task-based management interface significantly reduces the complexity of installation, configuration, management and diagnostic tasks. Developed from generations of LSI storage development, Simplicity is a robust and well-thought out storage management software that supports the scalability needed for today's high-growth requirements.

With Simplicity software, a system can concurrently support multiple RAID levels (0, 1, 3, 5, 6, and 1+0), various volume group sizes and one or more volumes per volume group. This industry-leading flexibility enables Simplicity to best match a user's application performance, capacity and data protection requirements.

Features

- Simplicity ensures a friendly user experience from set-up to general administration — Once installed, an "Initial Setup Tasks" box will appear. This provides step-by-step directions to setting up the storage system. With Simplicity's web-like and task-based management interface, the complexity of installation is significantly reduced by providing a more obvious starting point for inexperienced users.

- Highest availability — Simplicity software's automated I/O path failover ensures uninterrupted access to data through component failures anywhere in the data path. And with proactive drive health monitoring, RAID 6 and global hot spares, Simplicity provides the highest protection available against drive errors and failures.
- Integration with Microsoft Cluster Server software — Tested and supported by MSCS, Simplicity provides a seamless cluster failover for continuous access to data.
- Automatic or manual configuration options — Simplicity gives users the option of automatic or manual system configuration. The automatic option simplifies administration with volumes created by a predetermined set of parameters. And when an administrator has a specific configuration in mind, Simplicity lets a more seasoned IT professional "take the wheel" and manually create the configuration they see fit for their environment.

- Online administration — Simplicity enables most management tasks to be performed while the storage remains online with complete read/write data access. This allows IT administrators to make configuration changes, conduct maintenance or expand the storage capacity without disrupting I/O. Simplicity's online capabilities include:
 - Dynamic Capacity Expansion (DCE) — Two drives at a time can be added to an existing volume group, creating free capacity for volume creation or expansion, improving the IOPS performance of the volumes residing on that volume group.
 - Dynamic RAID-level Migration (DRM) — RAID levels can be dynamically migrated through the Simplicity GUI allowing RAID levels to be easily adjusted when their application, availability, or performance requirements change. RAID levels can be migrated with Simplicity software while the volume group and all its volumes remain online and accessible for I/O.
 - Non-disruptive controller firmware upgrades can be administered with no interruption to data access.
 - HotScale technology allows for additional drives, drive modules and servers to be added "on-the-fly" with no system downtime, improving data protection and flexibility.
- Intuitive diagnostics and recovery — The Recovery Guru provides valuable trouble shooting assistance by diagnosing storage array problems, providing detailed information about a selected problem and the recovery steps to follow.
- Unique configuration metadata — DACstore offers investment protection with "data intact" upgrades and migrations in which all controllers recognize configurations and data from others as well as allow for volume group level relocation. This provides investment protection of hardware, software and data.
- Capacity expansion enables additional DM1300 Expansion Drive Modules. This not only supports data growth, but performance as well. As this additional capacity can be assigned to an existing RAID group, improved performance can be achieved with data stripped across more drives.
- Extensive operating system support — Simplicity software provides a broad range of platform support for open system environments including:
 - Windows Server 2003 SP2 (32 and 64 bit)
 - Windows XP (client only, excludes I/O attach)
 - Windows Vista (client only, excludes I/O attach)
 - Windows Server 2008
 - Solaris 9 (Sparc, FC, I/O attach)
 - Solaris 10 (x86 & Sparc, SAS, iSCSI, I/O attach)
 - Netware 6.5 SP7 (I/O attach)
 - Red Hat Enterprise Linux v4.7, v5.2
 - Red Hat Client (client only, excludes I/O attach)
 - SuSE v9 SP4, v10 SP2
 - SuSE Professional (client only, excludes I/O attach)

Premium Features

Businesses can "start small, grow big" with premium key-enabled features and capacity expansion providing additional functionality and capacity only when, and if, their storage demands call for it.

- Storage partitioning consists of one or more volumes that can be accessed by a single or group of hosts. This enables a range of hosts with different capacity, performance, or data protection demands to effectively share a single system. Offered standard with 2 or 4 partitions, additional partitions can be enabled to support a total of 32 partitions.
- Snapshot creates capacity-efficient, point-in-time volume images, providing a logical volume for such uses as file restoration and backup.
- Volume Copy creates a complete physical copy — or clone — of a volume within a system. These unique copies can be assigned to any host and used for application testing or development, information analysis or data mining.

For more information and sales office locations, please visit the LSI web sites at: lsi.com lsi.com/contacts

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