



Melio 2010

Release Notes

September 2010



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About Sanbolic®

Sanbolic, Inc. develops software designed to simplify, share, and enhance Storage Area Network (SAN) storage. Offering innovative, cost-effective, easy-to-use products, Sanbolic helps organizations realize the most value from their enterprise applications and solutions by extending the benefits of virtualization to the storage layer, allowing them to achieve greater returns on their application, server, and storage investments.

About Sanbolic Melio 2010™

Sanbolic **Melio 2010** is a complete storage solution comprised of various software components. At its core is an advanced, 64-bit symmetrical cluster file system called "**Melio FS™**" that allows multiple Windows® servers to share concurrent read-and-write access to data stored on a storage partition or Logical Unit Number (LUN) on SAN storage.

To help organizations realize all the benefits afforded by the active/active disk access provided by Melio FS, the following software components are also available:


LaScala™: Host-based cluster volume manager that simplifies and centralizes management of Melio shared volumes by virtualizing physical disk resources provisioned on SAN storage.

Snapper™: Management utility that allows users to invoke and manage VSS-based (block-level) snapshots of Melio shared volumes or files stored on Melio shared volumes from a single console.

SILM™: Information Life Cycle manager that allows users to create user-defined policies to automatically copy or move individual files, groups of files, entire volume contents, or snapshots of Melio shared volumes from one SAN volume to another for quick and seamless data backup and recovery.

FilerScaler™: Application that simplifies and centralizes management of file shares hosted by multiple Windows servers throughout an entire IT enterprise and enables high availability and scale-out of Windows file-serving infrastructures.

AppCluster™: Application clustering software that decouples SQL components (i.e., servers from storage, instances from databases) to allow consolidation, rapid migration, load-balancing, and assignment of databases across physical and/or virtual SQL Servers. Unlike other HA options for SQL, which are limited in functionality as a result of the constraints associated with active/passive disk access, AppCluster is able to significantly enhance SQL Server solutions by leveraging the shared (active/active) disk access provided by Melio FS.



When implemented together, the software components described above provide flexible, scalable, highly available shared storage, centralized data and storage management, reliable data protection and active/active application clustering.

Melio 2010 is currently available in several editions, each of which is designed to address the current and future needs of organizations looking to realize the benefits of shared storage. For more information regarding the features and functions available within each edition, please visit our website at www.sanbolic.com or contact a sales representative at sales@sanbolic.com.

About these Release Notes

These release notes provide information pertaining to the following:

- Fixed issues included in this release of Melio 2010
- New features/enhancements included in this release of Melio 2010
- Additional notes

Technical Support

Customers requiring technical support for Melio 2010 can contact Sanbolic Technical Support by phone at 1-617-833-4240 or via email at support@sanbolic.com.



Fixed issues included in this release of Melio 2010

The following issues have been fixed in this release of Melio 2010.

- Firewall ports did not open when there was a change in the network configuration for Melio FS.
- If a volume without a letter/mount_point contained a mount point to another volume, LaScalaWMIPProvider crashed and LaScala UI would not display anything.
- LaScala-managed disks were displayed as "online," preventing the creation of basic partitions.
- Blocked volume ios failed with "STATUS_DEVICE_NOT_CONNECTED" instead of "STATUS_TOO_LATE".
- "Create_new" did not update the parent dir modify time, archive attrib, and attrib time.
- When user account did not have permissions to perform the requested operations, VSS UI did not know how to interpret the results and crashed.
- Cached write performed reserve-as-nested transaction while holding cache rights, preventing truncate from sneaking between the reserve and the cached write.

New features/enhancements included in this release of Melio 2010

The following new features and enhancements are included in Melio 2010.

- Added support for VFD (virtual floppy disk) and TMP format in Melio *Virtualization* edition.
- Added a new volume tweak to increase the speed of close operations.
- Added a new process tweak to accommodate for changes in the way the Citrix® Provisioning Services™ Stream process writes to .VHDs in PVS™ 5.x.
- Added support for multi-processor systems running more than 32 processors.
- Added warning message during software installation notifying users to back up data on Melio shared volumes prior to commencing with upgrade process.
- Introduced support for multi-language core Windows (i.e., German, French, and Japanese).
- Improved file system allocator free space calculations and usage.



Additional notes

- Beginning with Melio FS 2009, Windows Server 2000 and Windows XP are no longer supported.
- Beginning with Melio 2010, Windows Server 2003 32-bit is no longer supported.
- Current supported operating systems include:
 - Windows Server 2003 R1 and R2, 64-bit
 - Windows Server 2008 R1, 32-bit and 64-bit
 - Windows Server 2008 R2, 64-bit

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