



# A Quick Guide to Creating Shared Storage using Melio™ 2010

Tech Note



## About this Tech Note

This tech note provides a quick guide to creating shared storage using Melio 2010 on Windows Servers connected to SAN storage.

If you have any questions after reading this tech note, please contact Sanbolic Technical Support at 617-402-2029 or email us at [support@sanbolic.com](mailto:support@sanbolic.com).

## Creating a shared volume (basic partition) using Melio 2010

1. Power up all servers that will share access to a Melio volume.
2. Provision a new LUN on your storage array and present it to all the servers.
3. Run the Melio 2010 Setup program and follow the instructions to install Melio 2010.
4. Once the software is installed, launch LaScala (*Start > All Programs > Sanbolic > LaScala*) on **one** server.
5. From the toolbar at the top of the LaScala management console, select **“View > Select Managed Computers”** to automatically discover or manually add all the servers that will be participating in the Melio cluster and click **“OK”**.  
*Note: The ability to add multiple servers into the LaScala management console is available in Melio Datacenter edition only.*
6. From the toolbar, select **“View > Rescan disks”** to see the new LUN provisioned in step #2.
7. To manage the new LUN, right-click on it and select **“Manage”**.
8. Leave the default values and click **“OK”**.
9. During the format process, a message will appear indicating that the LUN is being formatted.
10. Once the LUN has been formatted, click **“OK”**.
11. The formatted LUN will now appear as “Managed” by LaScala.
12. Right-click on the LUN (where it shows as “Empty”) and select **“New”** to create a new partition.
13. After the partition is created, it will appear in the window pane on the upper left-hand side of the management console.
14. From the toolbar, click **“Action > Apply Changes”** to complete the creation of the partition.
15. Right-click on the partition and select **“Create Logical Drive”**.
16. Specify the drive letter that will be assigned to the volume, select the option **“Allow everyone access to the volume,”** leave the file system as **“Melio FS”** (default), enter a label (optional), and click **“OK”** to create the logical drive. A message will appear indicating that the logical drive is being created.
17. Since the logical drive is being formatted with Melio FS, click **“Cancel”** if Windows displays a message asking if you want to format the new drive.
18. Once the logical drive has been created, a message will appear indicating that the logical drive was created successfully.
19. Click **“OK”** to return to the LaScala management console.
20. The logical drive will appear with its assigned drive letter in the window pane on the upper left-hand side of the management console.
21. Open **My Computer** to see the new Melio volume managed by LaScala.
22. Open **My Computer** on the other servers in the Melio cluster to see the new Melio volume.
23. Run several tests to confirm shared read/write access to the Melio volume from all servers participating in the Melio cluster.

## Creating a shared volume (volume set or stripe set) using Melio 2010

1. Power up all servers that will share access to a Melio volume.
2. Provision two or more new LUNs (one LUN per storage array) and present it to all the servers.
3. Run the Melio 2010 Setup program and follow the instructions to install Melio 2010.
4. Once the software is installed, launch LaScala (*Start > All Programs > Sanbolic > LaScala*) on **one** server.
5. From the toolbar at the top of the LaScala management console, select **“View > Select Managed Computers”** to automatically discover or manually add all the servers that will be participating in the Melio cluster and click **“OK”**.

***Note:** The ability to add multiple servers into the LaScala management console is available in Melio Datacenter edition only.*

6. From the toolbar, select **“View > Rescan disks”** to see the new LUNs provisioned in step #2.
7. To manage the new LUNs, right-click on one of the LUNs and select **“Manage Multiple”**.
8. Leave the default values for all LUNs and click **“OK”**.
9. During the format process, a message will appear indicating that the LUNs are being formatted.
10. Once the LUNs have been formatted, click **“OK”**.
11. The formatted LUNs will now appear as **“Managed”** by LaScala.
12. Right-click on each LUN (where it shows as **“Empty”**) and select **“New”** to create new partitions.
13. After the partitions are created, they will appear in the window pane on the upper left-hand side of the management console.
14. From the toolbar, click **“Action > Apply Changes”** to complete the creation of the partitions.
15. In an empty area in the window pane on the upper left-hand side of the management console, right-click and select **“New > Volume Set or Stripe Set”** and click **“OK”**.

***Note:** A volume set writes data one partition at a time while a stripe set writes data across all partitions simultaneously for improved I/O performance.*

***Note:** All LUNs comprising a stripe set must be of identical size.*

16. Select the default values and click **“OK”**.
17. Once the volume set or stripe set is created, it will appear in the window pane on the upper left-hand side of the management console.
18. Select (left-click) and drag each partition (one at a time) onto the volume set or stripe set.
19. From the toolbar, click **“Action > Apply Changes”** to add the partitions into the volume or stripe set.
20. Right-click on the volume set or stripe set and select **“Create Logical Drive”**.
21. Specify the drive letter that will be assigned to the volume set or stripe set, select the option **“Allow everyone access to the volume,”** leave the file system as **“Melio FS”** (default), enter a label (optional), and click **“OK”** to create the logical drive. A message will appear indicating that the logical drive is being created.
22. Since the logical drive is being formatted with Melio FS, click **“Cancel”** if Windows displays a message asking if you want to format the new drive.
23. Once the logical drive has been created, a message will appear indicating that the logical drive was created successfully.
24. Click **“OK”** to return to the LaScala management console.
25. The logical drive will appear with its assigned drive letter in the window pane on the upper left-hand side of the management console.
26. Open **My Computer** to see the new Melio volume managed by LaScala.
27. Open **My Computer** on the other servers in the Melio cluster to see the new Melio volume.
28. Run several tests to confirm shared read/write access to the Melio volume from all servers participating in the Melio cluster.



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