

Milestone Systems

Quick guide: Milestone Husky™ RAID management

M50

Husky RAID management (explained)

This is a quick guide on how to manually configure a RAID volume on your Milestone Husky by using the MegaRAID Storage Manager.

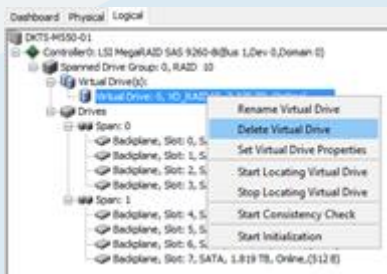
Important: You will always delete your data on the existing RAID volume when you change the RAID configuration.

1. Log in to Windows with administrator privileges.
2. On Windows desktop click **MegaRAID Storage Manager** icon.



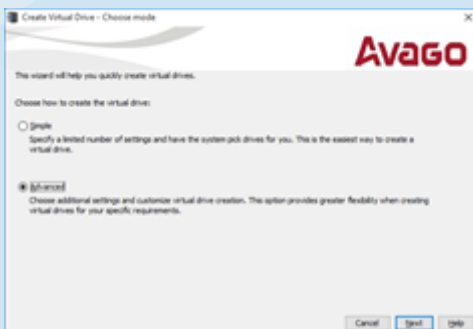
3. To delete an existing RAID volume, go to the **Logical** tab and right-click on the relevant virtual drive.

Select **Delete Virtual Drive**.



4. To create a new RAID volume right click on the **controller** node and select **Create Virtual Drive**.

Select the **Advanced** option.



Click **Next**.

5. You can now choose your preferred RAID configuration. The next sections describes how to.

Configure RAID 5

This section describes how to configure a RAID 5 volume.

1. Select RAID level: **RAID 5**



2. Select unconfigured drives: Select all of the eight drives in the list.

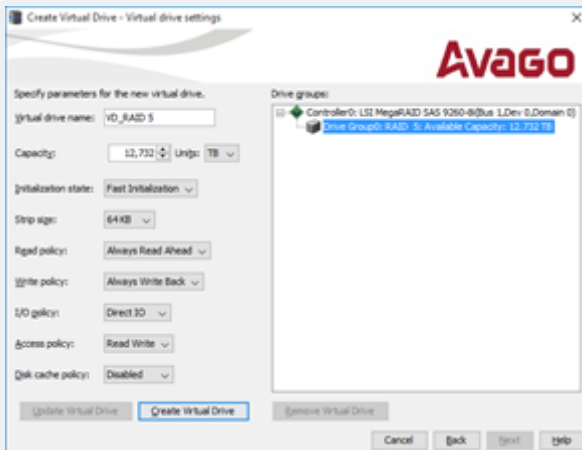
Click **Add>>** to add them to **Drive Group0**.



3. Click **Create Drive Group** and click **Next**.



4. Configure the virtual drive settings with these parameters:



- Initialization state: **Fast Initialization**
 - Strip size: **64KB**
 - Read policy: **Always Read Ahead**
 - Write policy: **Always Write Back**
 - I/O policy: **Direct IO**
 - Access policy: **Read Write**
 - Disk cache policy: **Disabled**
5. Click **Create Virtual Drive** and accept all warnings.
 6. Click **Finish** to close the application.

Configure RAID 10

This section describes how to configure a RAID 10 volume.

1. Select RAID level: **RAID 10 Spanned Drive Group**



2. Select unconfigured drives: Select the first four drives in the list.

Click **Add>>** to add them to **Span 0**.

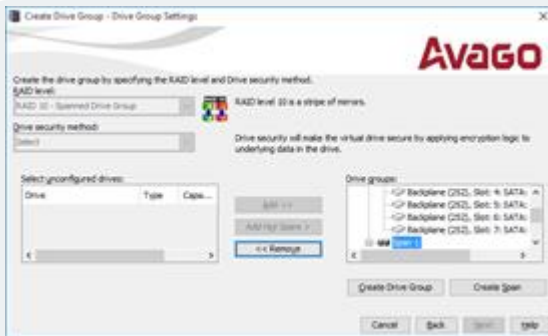


3. Click **Create Span** to create Span 1.

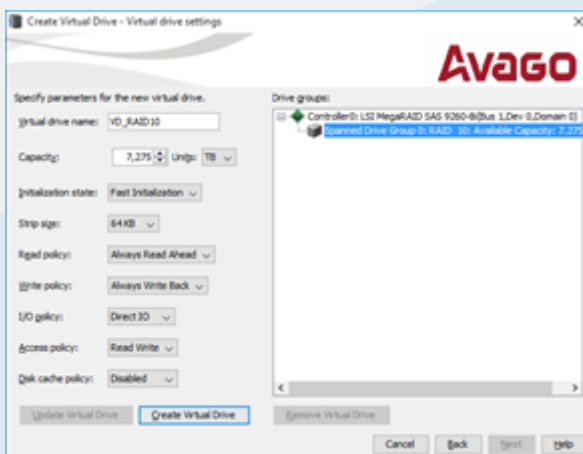
Select unconfigured drives: Select the remaining four drives in the list.



- Click **Add>>** to add them to **Span 1**.



- Click **Create Drive Group** and click **Next**.
- Configure the virtual drive settings with these parameters:

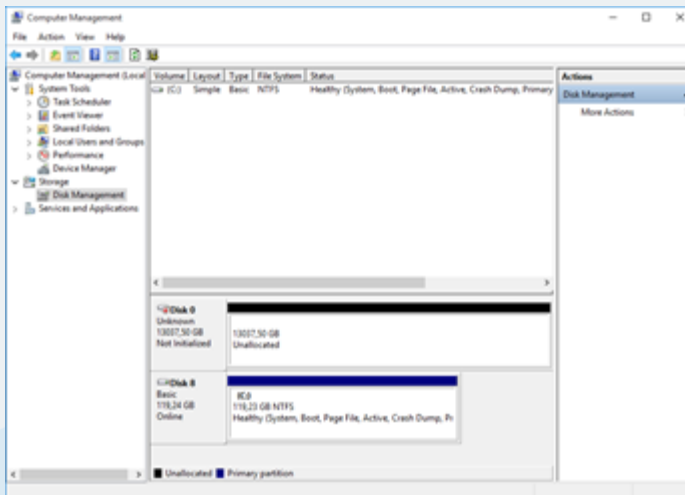


- Initialization state: **Fast Initialization**
 - Strip size: **64KB**
 - Read policy: **Always Read Ahead**
 - Write policy: **Always Write Back**
 - I/O policy: **Direct IO**
 - Access policy: **Read Write**
 - Disk cache policy: **Disabled**
- Click **Create Virtual Drive** and accept all warnings.
 - Click **Finish** to close the application.

Format the RAID volume in Windows

This section describes how to initialize and format the created RAID volume in Windows.

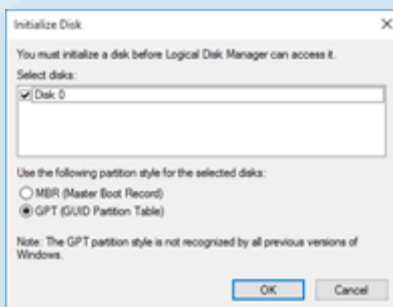
1. Open the **Computer Management** application in Windows.
2. Under the **Storage** note select **Disk Management**.



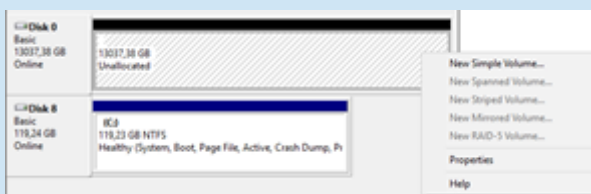
3. Right-click the unknown disk and select **Initialize Disk**.



4. Select **GPT** and click **OK**.

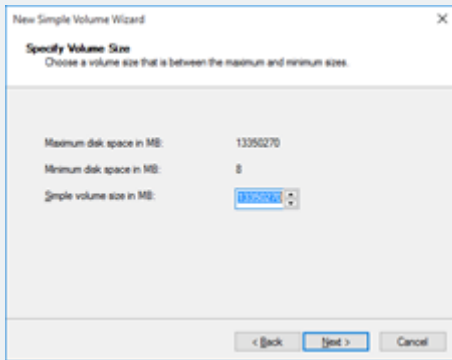


5. Right-click on the new unallocated disk and select **New Simple Volume**.



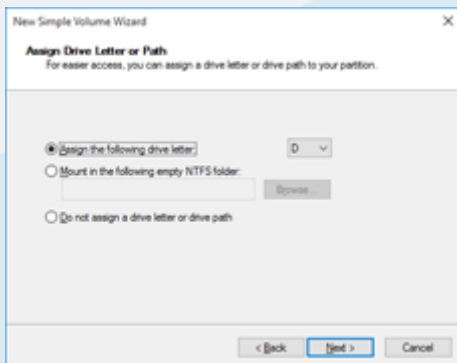
6. Specify volume size:

Note: For the best performance, Milestone recommends that you configure the partition size to maximum 80% of the available disk size.



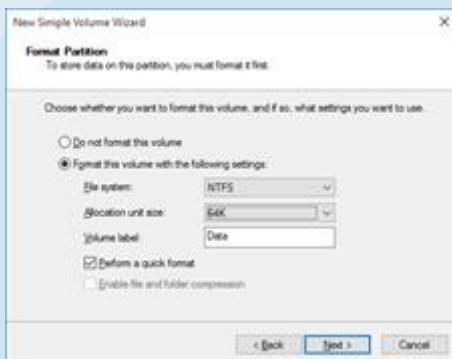
Click **Next**.

7. Assign drive letter or path: Select **D**.



Click **Next**.

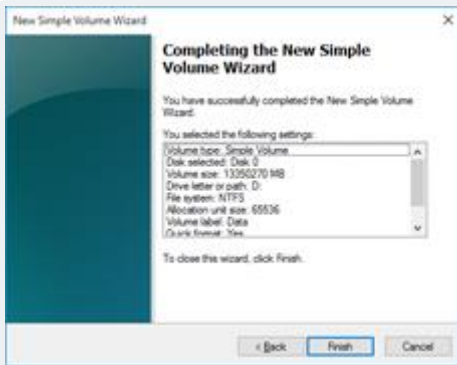
8. Configure the format partition settings with these parameters:



- File system: **NTFS**
- Strip size: **64K**

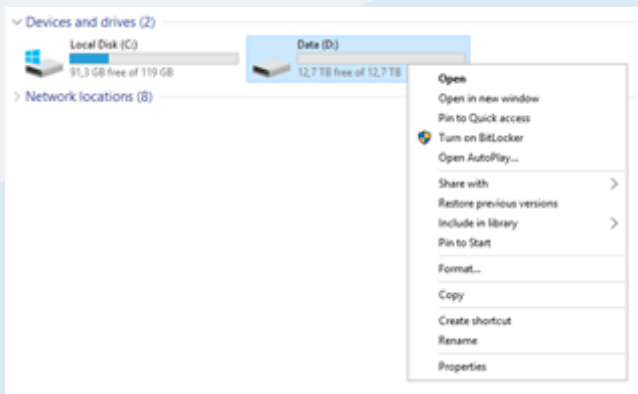
Click **Next**.

- Click **Finish** to complete the wizard.

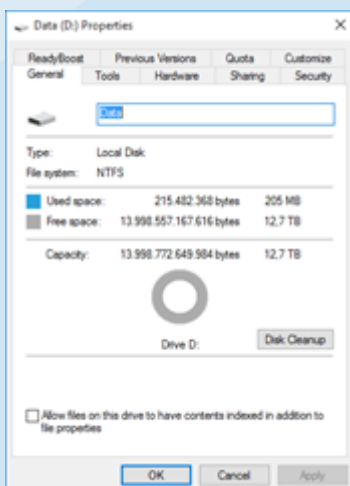


- Open the **File Explorer** application and locate the **D:** drive.

Right-click and select **Properties**



- Clear the check box: **Allow files on the drive to have contents indexed in addition to file properties.**



- Click **OK** to close the properties window.

- The RAID volume is now available for video storage configuration in the Milestone XProtect Management Application.

About Milestone Systems

Milestone Systems is a leading provider of open platform video management software; technology that helps the world see how to ensure safety, protect assets and increase business efficiency. Milestone enables an open platform community that drives collaboration and innovation in the development and use of network video technology, with reliable and scalable solutions that are proven in more than 150,000 sites worldwide. Founded in 1998, Milestone is a stand-alone company in the Canon Group. For more information, visit: <http://www.milestonesys.com>.