



infinity

INFINITY SERVER

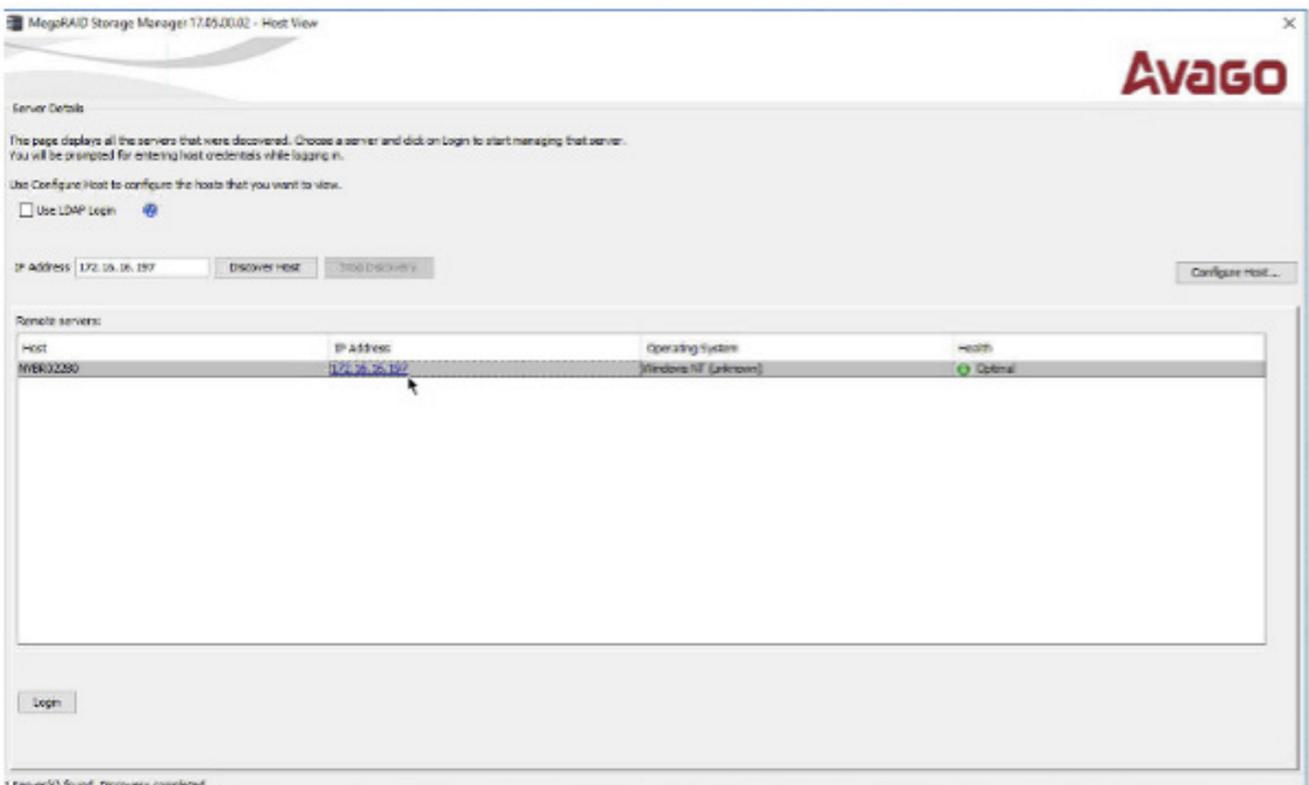
INFINITY MEGARAID SOFTWARE SETUP

MegaRAID Setup

RAID 5

To begin setting up a RAID in MegaRAID Storage Manager, you will first need to open the software:

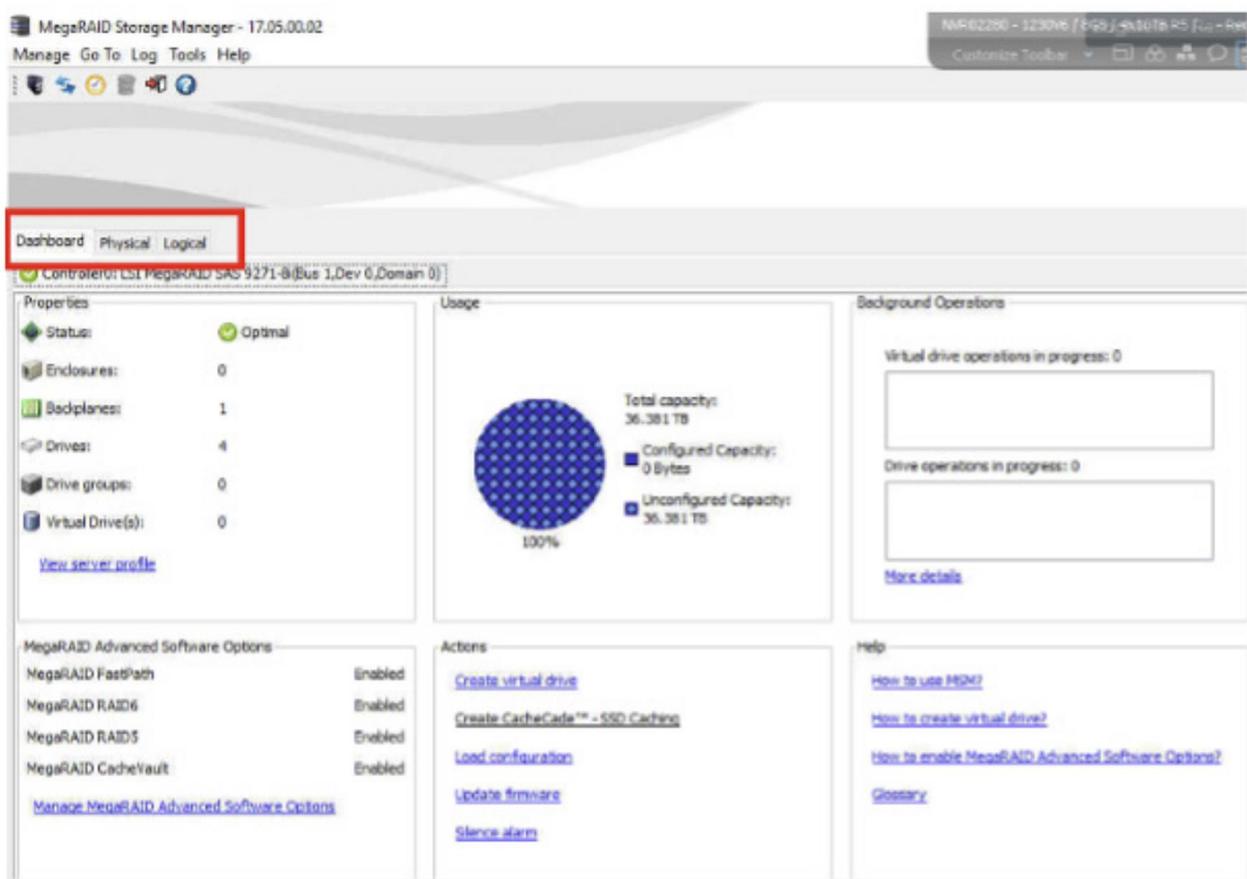
Double click the icon on the desktop, when opening for the first time you will be greeted with the following screen:



It may take some time to load and find your local NVR, you can also change the IP Address to 127.0.0.1, which will speed up this process.

Once it has loaded, double click the IP Address highlighted blue, and enter the Windows Username and Password. MegaRAID will fully load after correct input.

When loaded, you will see its main menu:



Properties

- Status: Optimal
- Enclosures: 0
- Backplanes: 1
- Drives: 4
- Drive groups: 0
- Virtual Drive(s): 0

[View server profile](#)

Usage

Total capacity: 36.381 TB

- Configured Capacity: 0 Bytes
- Unconfigured Capacity: 36.381 TB

Background Operations

- Virtual drive operations in progress: 0
- Drive operations in progress: 0

[More details](#)

MegaRAID Advanced Software Options

- MegaRAID FastPath: Enabled
- MegaRAID RAID6: Enabled
- MegaRAID RAID5: Enabled
- MegaRAID CacheVault: Enabled
- [Manage MegaRAID Advanced Software Options](#)

Actions

- [Create virtual drive](#)
- [Create CacheCache™ - SSD Cache](#)
- [Load configuration](#)
- [Update firmware](#)
- [Silence alarm](#)

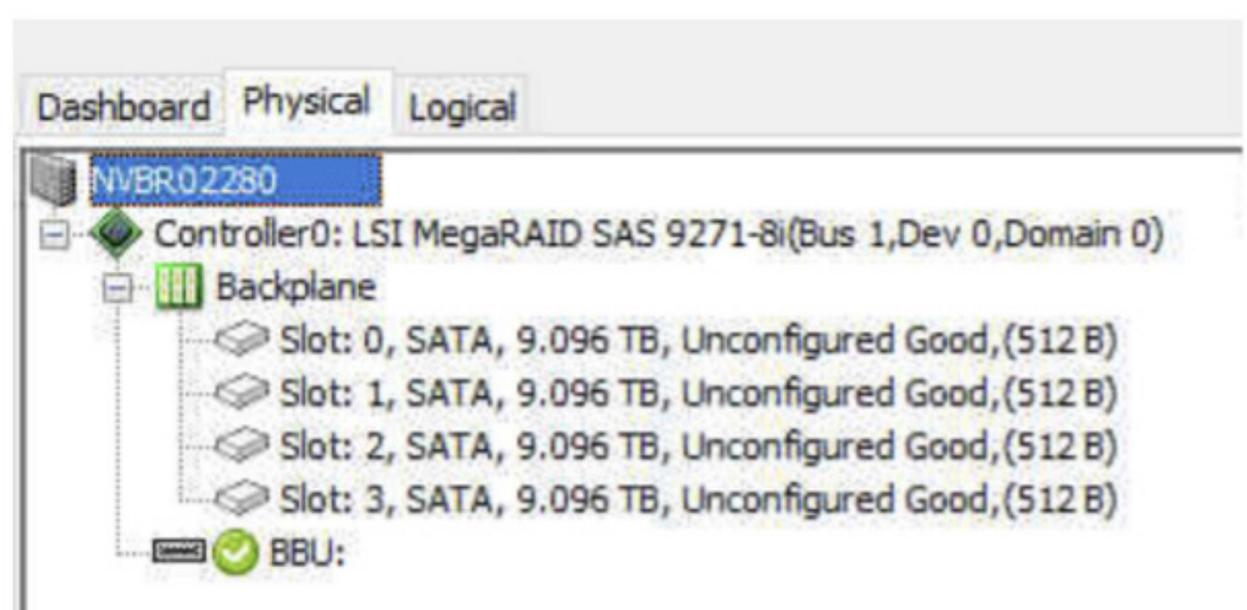
Help

- [How to use MD4?](#)
- [How to create virtual drive?](#)
- [How to enable MegaRAID Advanced Software Options?](#)
- [Glossary](#)

There are a lot of options, but we will only be using one, so don't worry about all of the others.

Firstly, confirm your drives are in the correct configuration before proceeding. You can do this by heading over to the Physical tab in the top left outlined by the red rectangle.

When in the Physical tab, your drives should look like this:



Dashboard Physical Logical

NVBR02280

- Controller0: LSI MegaRAID SAS 9271-8i(Bus 1,Dev 0,Domain 0)**
 - Backplane**
 - Slot: 0, SATA, 9.096 TB, Unconfigured Good, (512 B)
 - Slot: 1, SATA, 9.096 TB, Unconfigured Good, (512 B)
 - Slot: 2, SATA, 9.096 TB, Unconfigured Good, (512 B)
 - Slot: 3, SATA, 9.096 TB, Unconfigured Good, (512 B)
 - BBU:**

Once confirmed, head back to Dashboard and select “Create Virtual Drive”, depicted by the red rectangle in the below picture.

Dashboard Physical Logical

Controller0: LSI MegaRAID SAS 9271-8i(Bus 1,Dev 0,Domain 0)

Properties

	Status: Optimal
	Enclosures: 0
	Backplanes: 1
	Drives: 4
	Drive groups: 0
	Virtual Drive(s): 0

[View server profile](#)

MegaRAID Advanced Software Options

MegaRAID FastPath	Enabled
MegaRAID RAID6	Enabled
MegaRAID RAID5	Enabled
MegaRAID CacheVault	Enabled

[Manage MegaRAID Advanced Software Options](#)

Usage

Total capacity: 36.381 TB

Configured Capacity: 0 Bytes

Unconfigured Capacity: 36.381 TB

100%

Actions

[Create virtual drive](#)



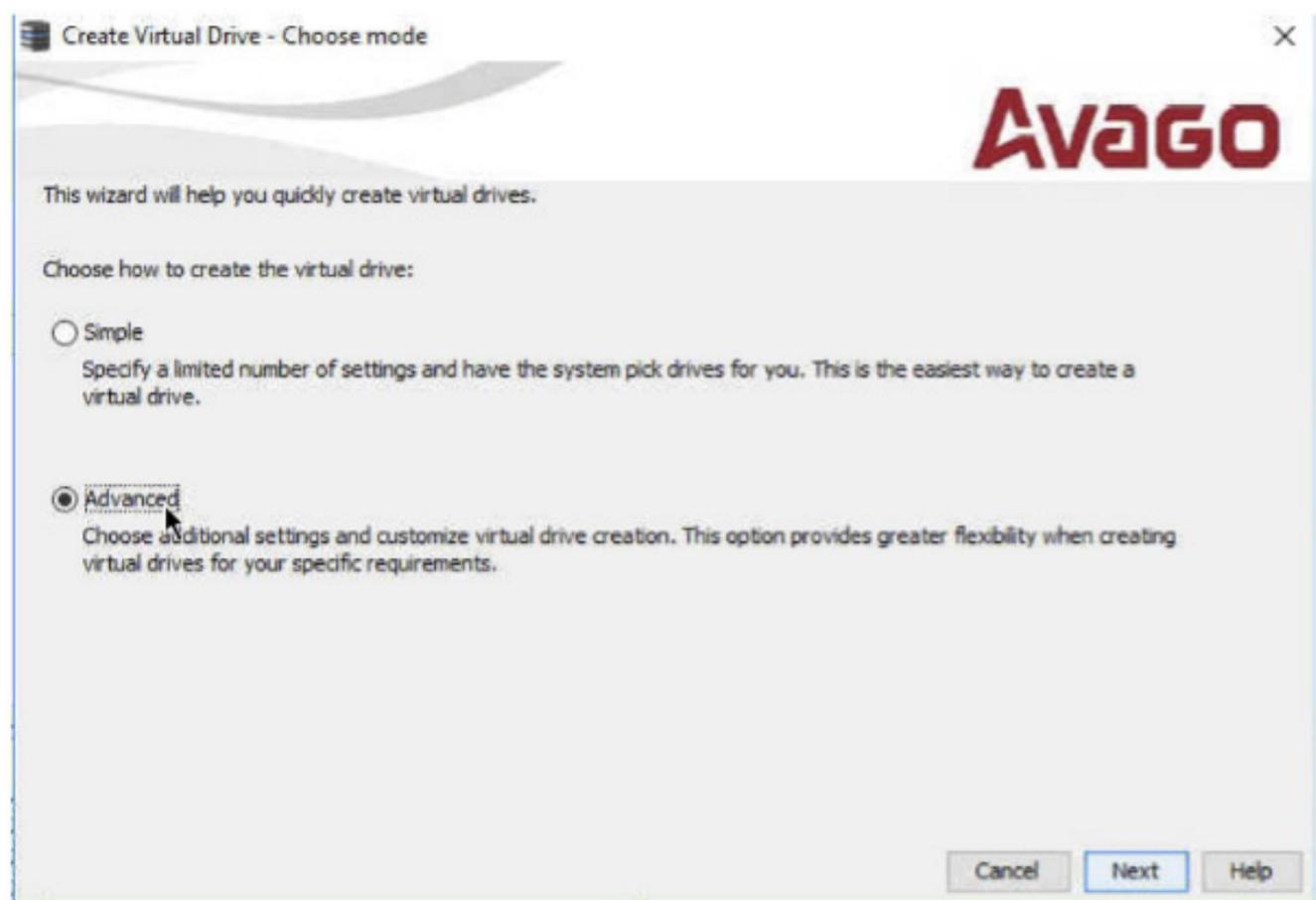
[Create CacheCode™ - SSD Caching](#)

[Load configuration](#)

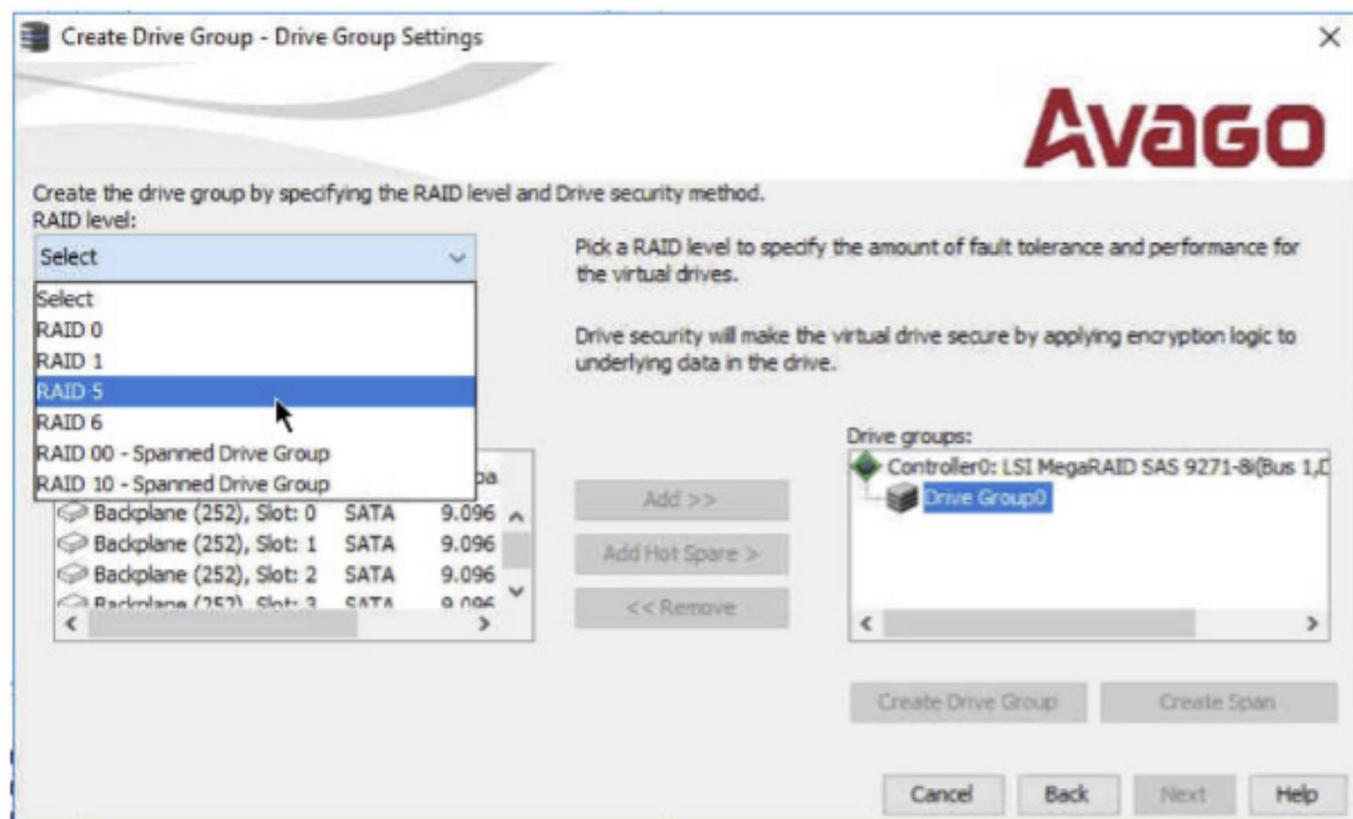
[Update firmware](#)

[Silence alarm](#)

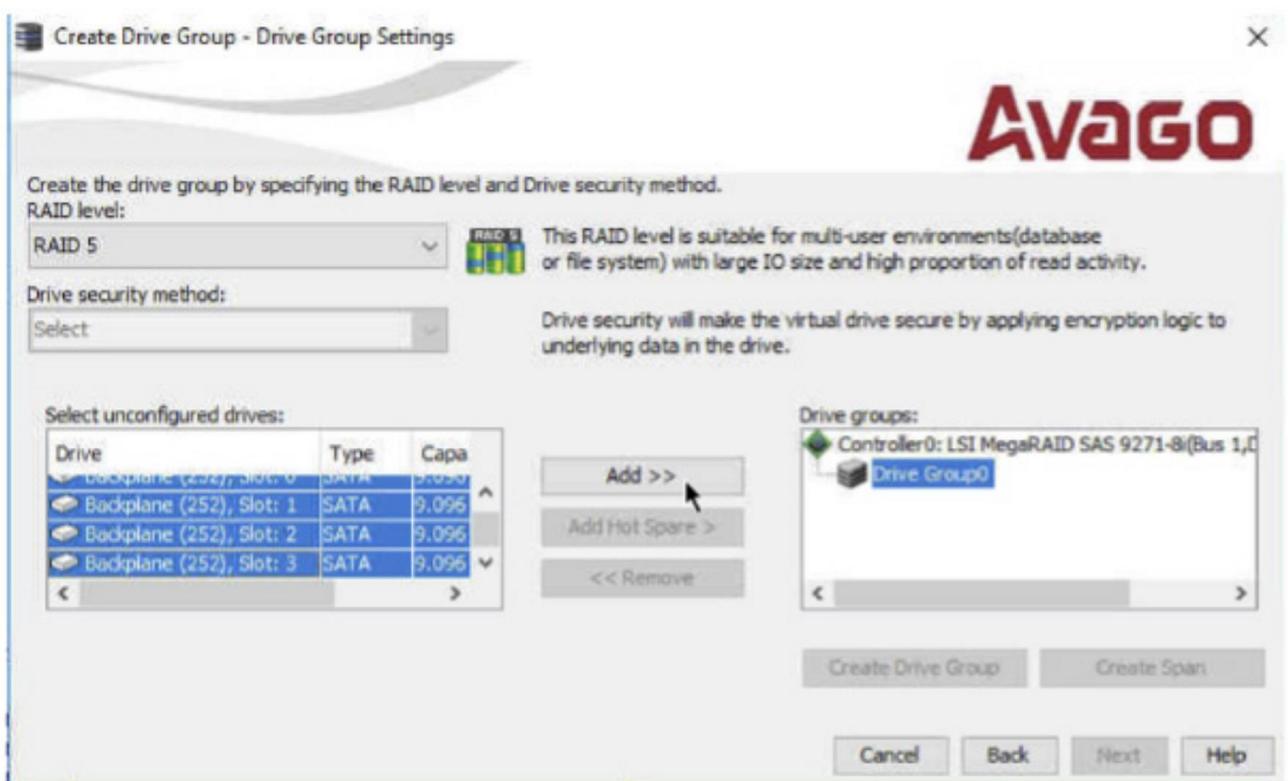
You will now be greeted with the menu. Select the “Advanced” radio button and click next.



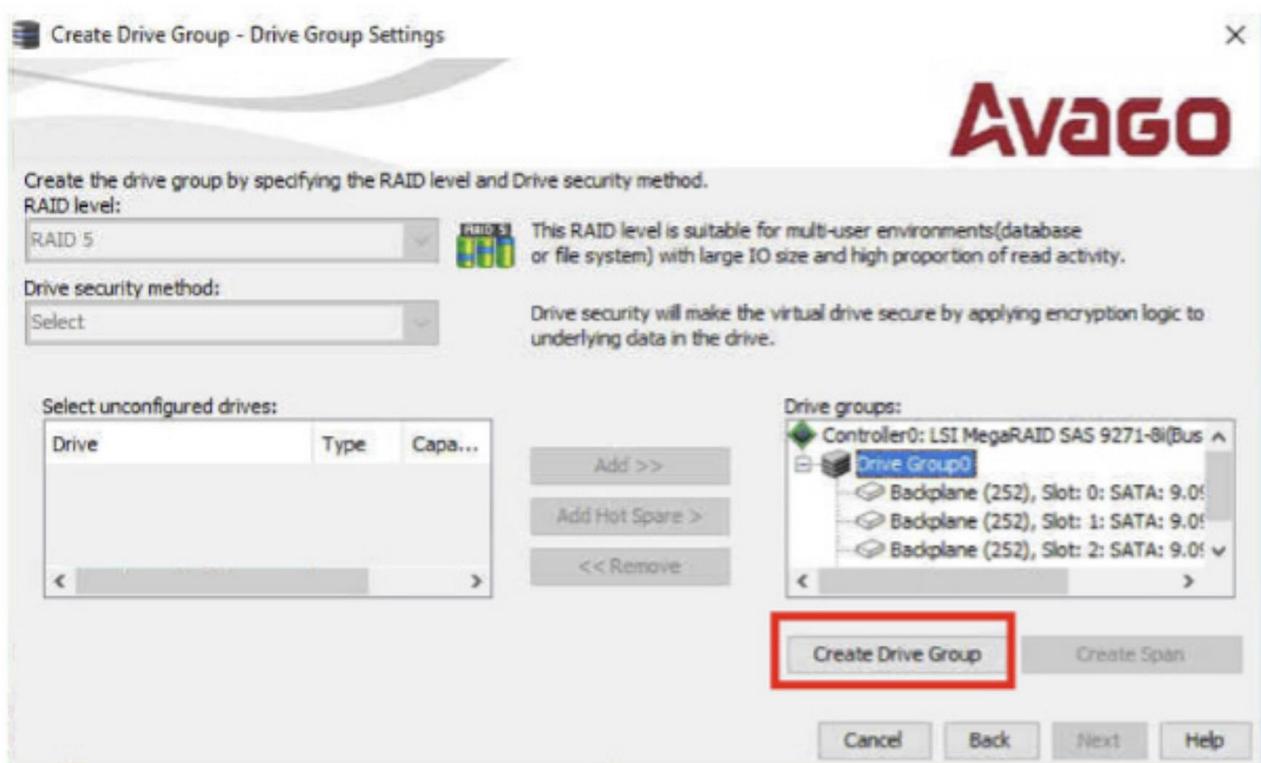
You should now see the following interface, select RAID Level 5 firstly:



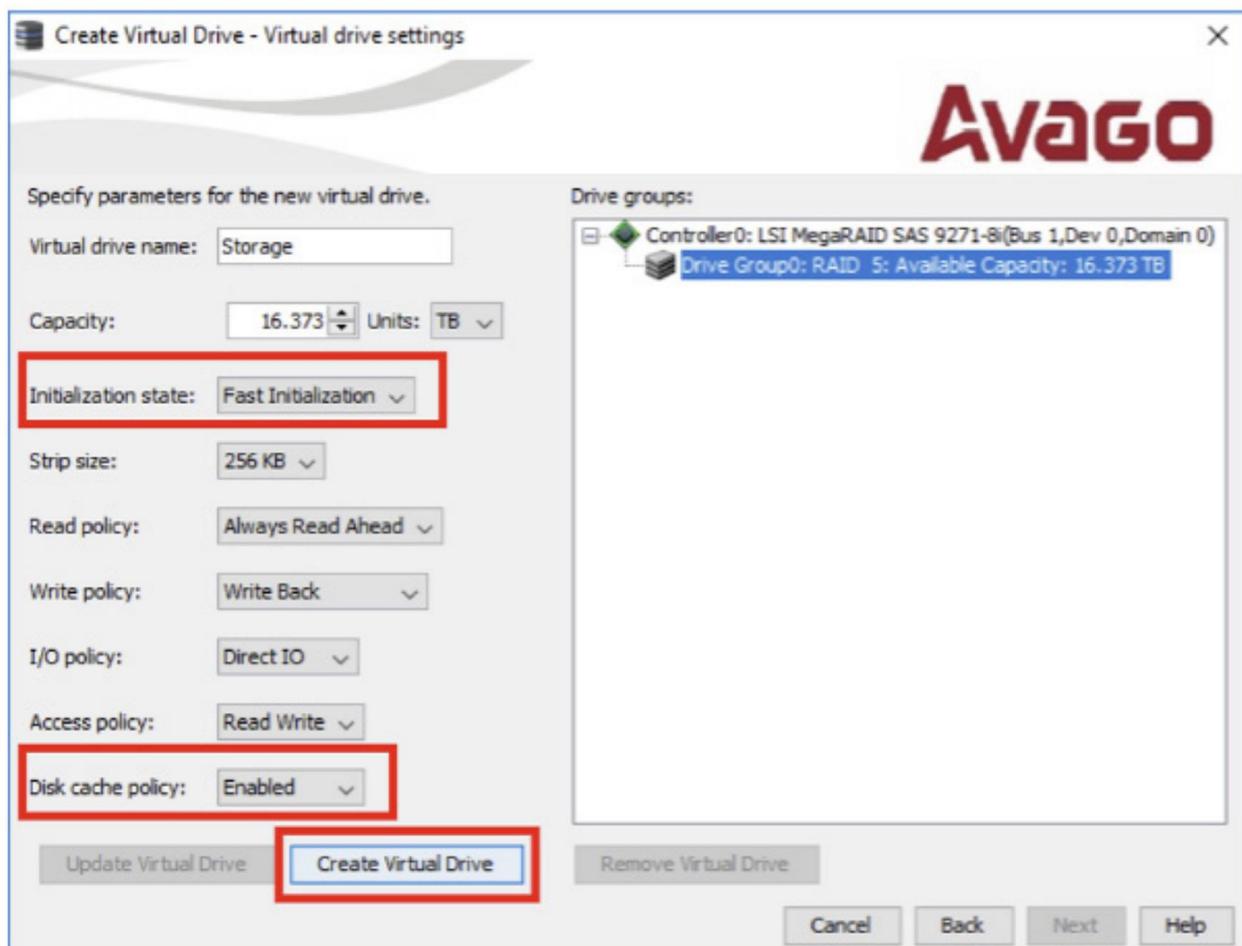
Once you have selected RAID 5, **highlight and select all drives** in the left-hand box and click Add to add them to the controller on the right



When they have been added, click "Create Drive Group"



After making the drive group, click next.



Here are the options to select here:

- Capacity: Leave default
- Initialisation state: Fast initialization
- Read Policy: Leave default
- Write Policy: Leave default
- I/O Policy: Leave Default
- Access Policy: Leave Default
- Disk cache policy: Select Enabled

Once the options are selected, click "Create Virtual Drive" > Next >

Finish Congratulations, you have created a RAID 5 Array!

Disclaimer

These are specific instructions only for a RAID 5 array. Any other RAID type will have a specific setup.