

ASRock Intel Virtual RAID on CPU Software



ASRock Intel Virtual RAID on CPU Software User Guide

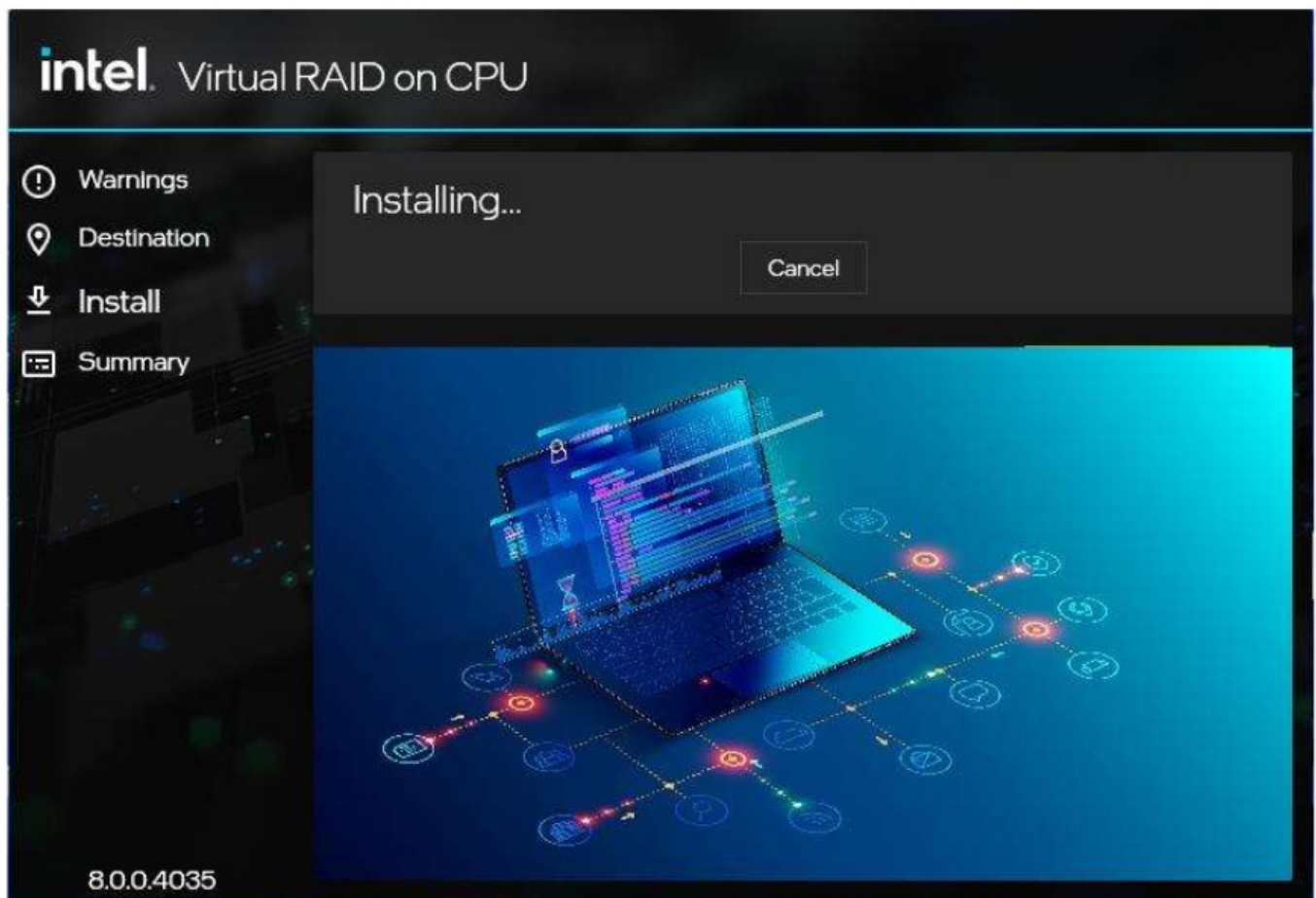
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ASRock Intel Virtual RAID on CPU Software



Product Information

Specifications:

- Product Name: RAID Storage System
- Model Number: XYZ-123
- RAID Types Supported: RAID 0, RAID 1, RAID 5, RAID 10
- Compatibility: Windows, Mac, Linux

Product Usage Instructions

Setup Procedure:

Step 1: Installation

Click Install to start the setup process.

Step 2: Acceptance

Click Next to continue and then click Accept to accept and proceed.

Step 3: Destination Selection

Select Next to install to the default folder or click Change to choose another destination folder.

Step 4: Component Installation

Click Install to install the selected components.

Step 5: Restart

Click Restart Now to complete the installation process and reboot the system.

Step 6-12: RAID Volume Creation

Follow these steps to create a RAID volume:

1. Select + (Create a Volume) from the menu pane on the left to begin the process.
2. Select your desired RAID type and click Next.
3. Select the hard drives to be included in the RAID array and then click Next.
4. Configure the options and click Next.
5. Click Create Volume and then OK to complete the volume creation process.

Step 13-16: Disk Initialization

Follow these steps to view volume properties and initialize a disk in Windows Disk Management:

1. Select Platform Drives from the menu pane to view status and volume properties.
2. Initialize a disk before Logical Disk Management can access it by clicking OK in Windows Disk Management.
3. Right-click on Disk 0 and click New Simple Volume.
4. Follow the instructions on the New Simple Volume Wizard.

Step 17: Start Using RAID Function

You can now start using the RAID 0 function for your storage needs.

Frequently Asked Questions

- **Q: Can I change the RAID type after setting up the system?**
 - A: No, the RAID type selection is done during the initial setup process and cannot be changed afterward. You would need to reconfigure the system with the desired RAID type.
- **Q: Is it possible to add more hard drives to an existing RAID volume?**
 - A: Yes, you can typically expand a RAID volume by adding more hard drives, but this feature depends on the specific RAID configuration supported by the system. Refer to the user manual for detailed instructions on expanding RAID volumes.

Intel® Virtual RAID on CPU (Intel® VROC) Configuration

Before you Begin

To support Intel® Virtual RAID on CPU (Intel® VROC), an Intel® VROC hardware key is required. Before

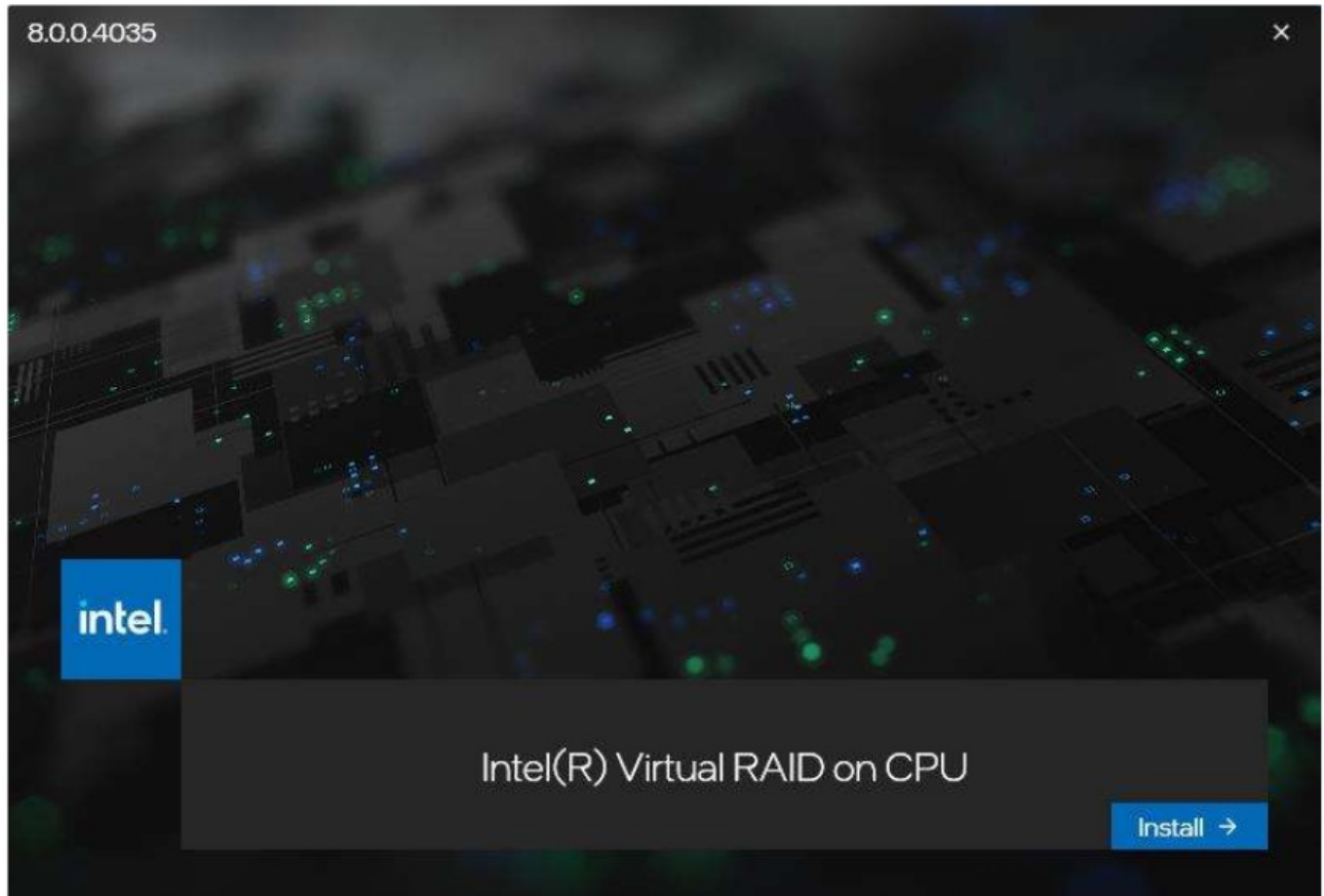
Configuring a RAID array, please insert the Intel® VROC hardware key into your motherboard. If your system is connected to the Internet, “Microsoft Visual C++ 2015-2022 Redistributable (x64) – 14.34.31931” and “Microsoft Windows Desktop Runtime – 6.0.9 (x64)” packages will be installed automatically when Intel® VROC utility is installed. You can also go to Microsoft’s website to download these two packages and install them.

Installation Instruction

Setup Procedure

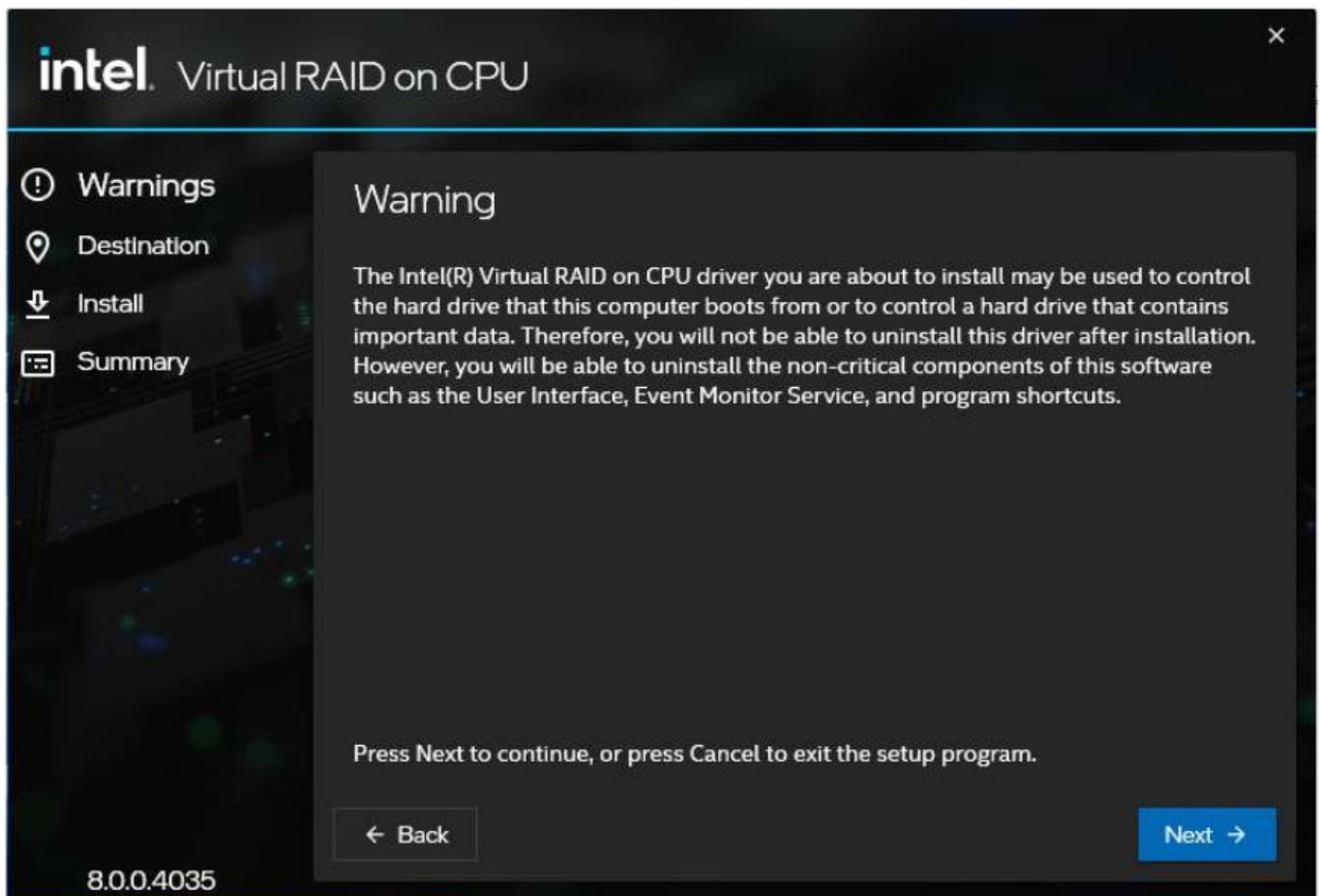
Step 1:

Click “Install” to start.



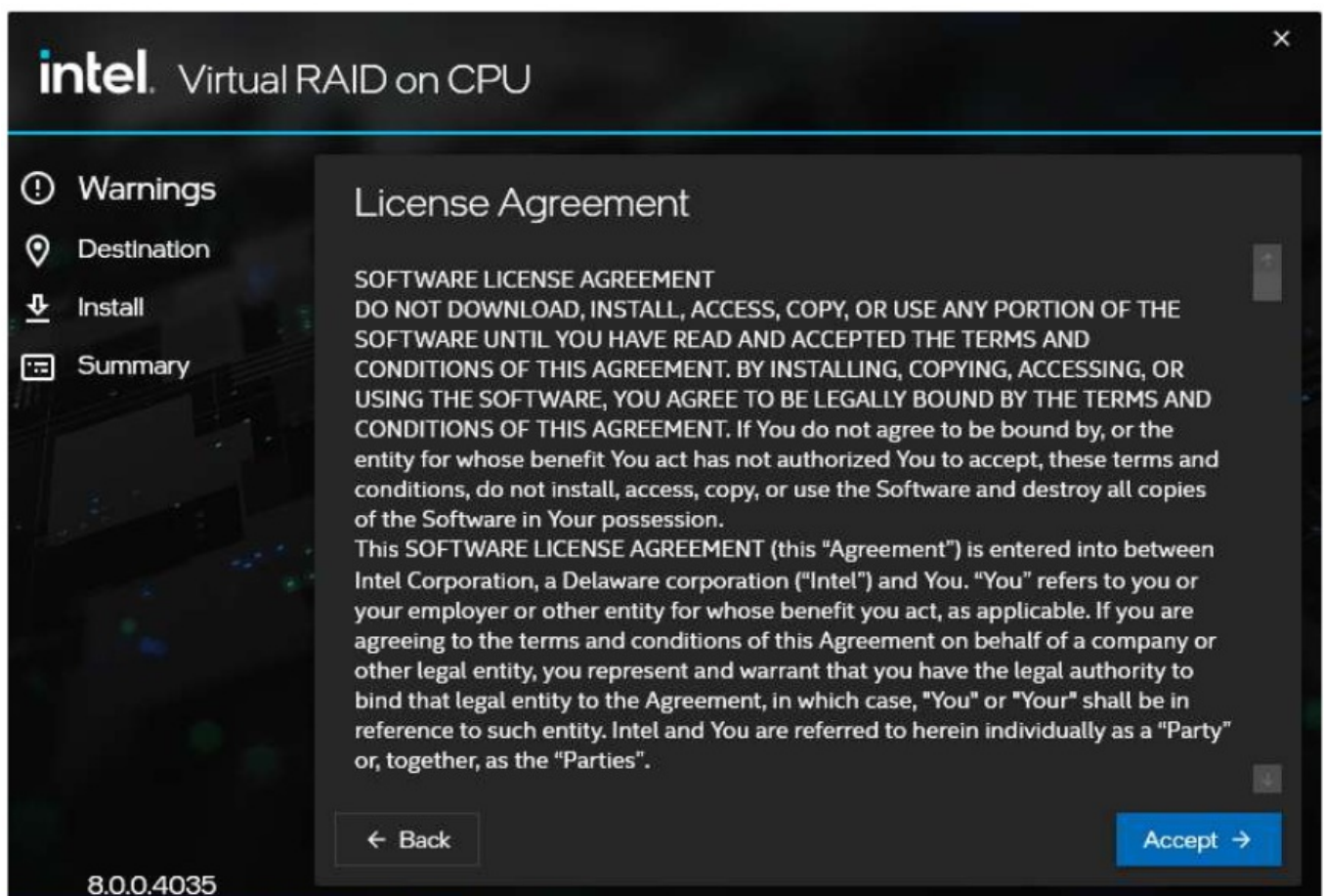
Step 2:

Click “Next” to continue.



Step 3:

Click "Accept" to accept and continue.



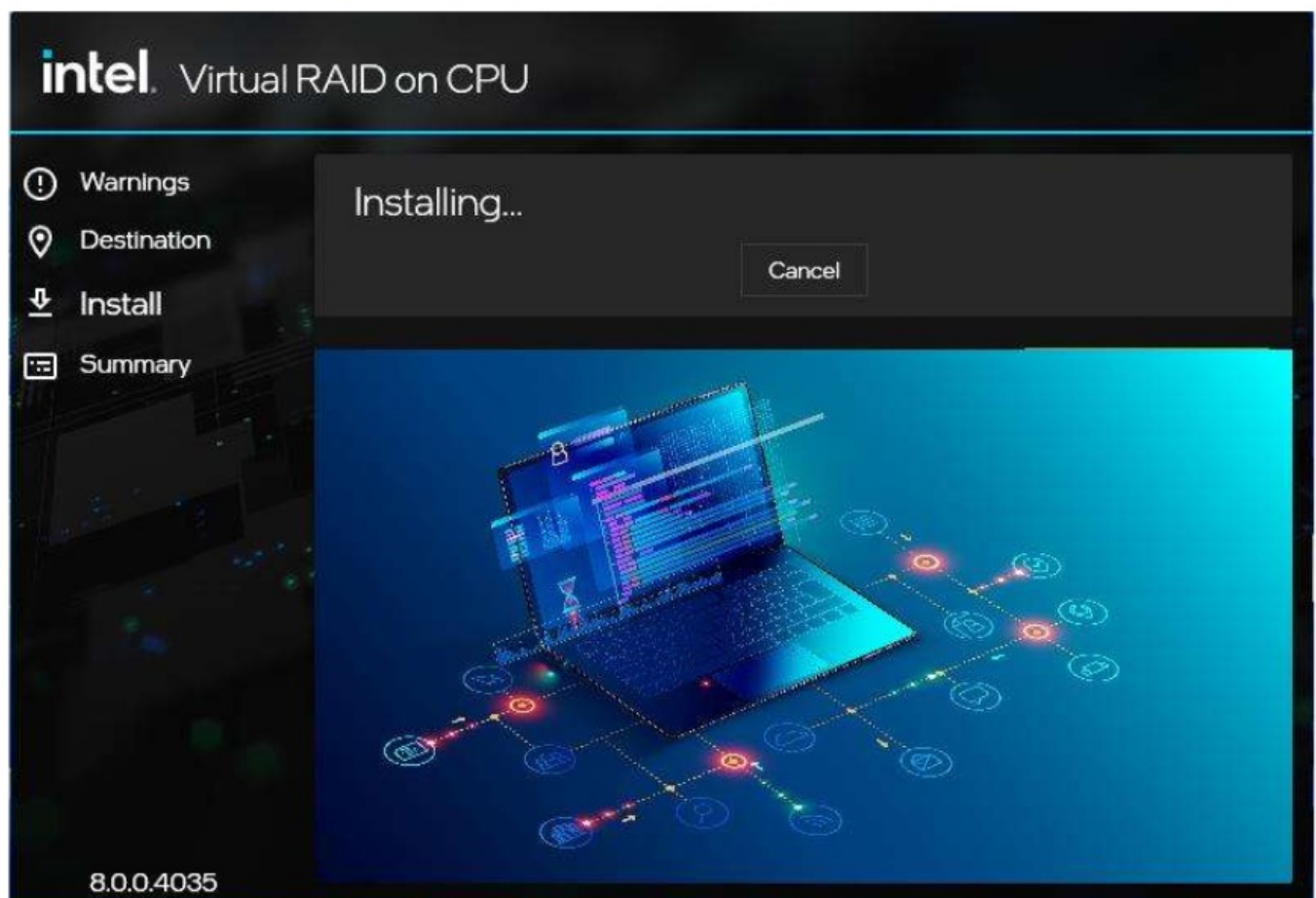
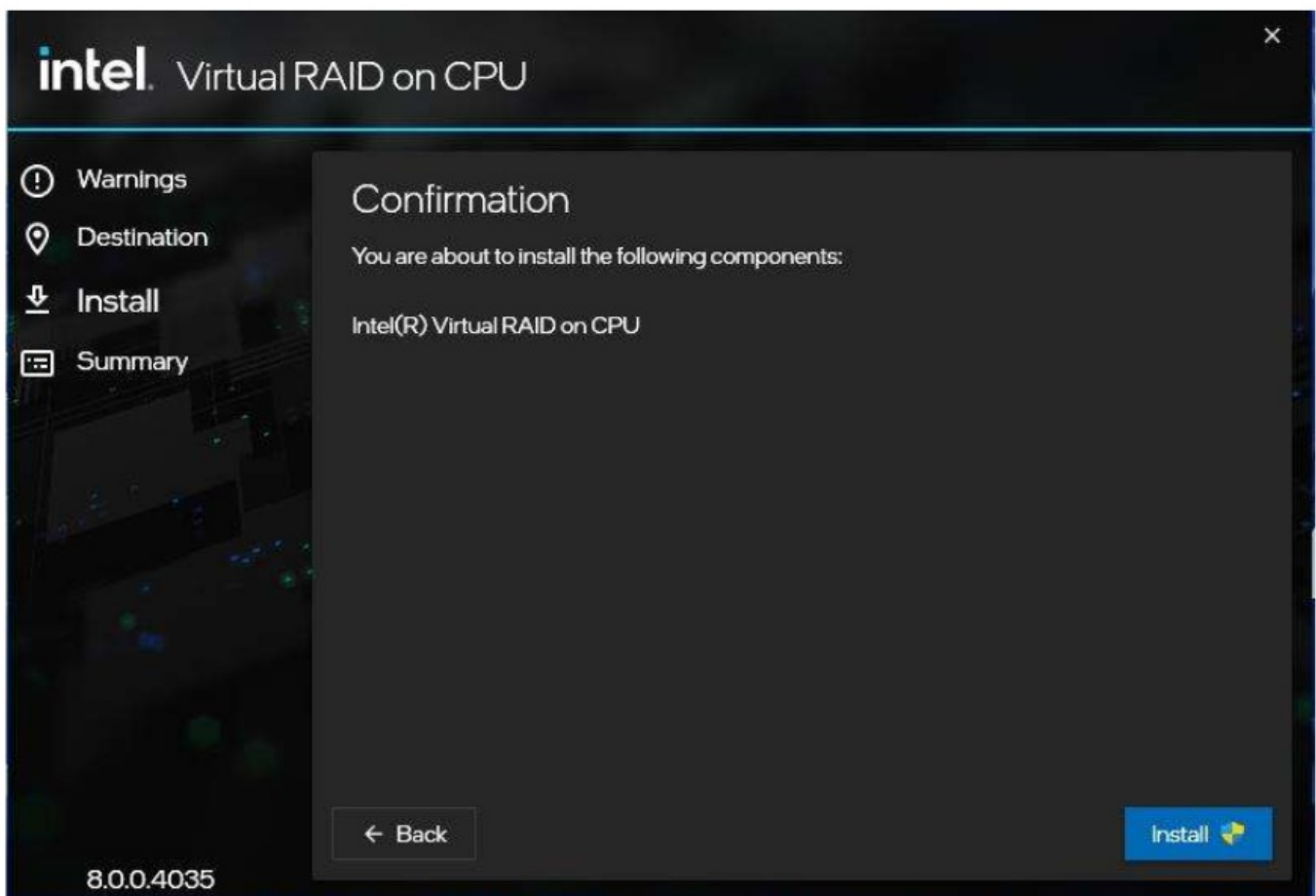
Step 4:

Select "Next" to install to the default folder, or click "Change" to choose another destination folder.



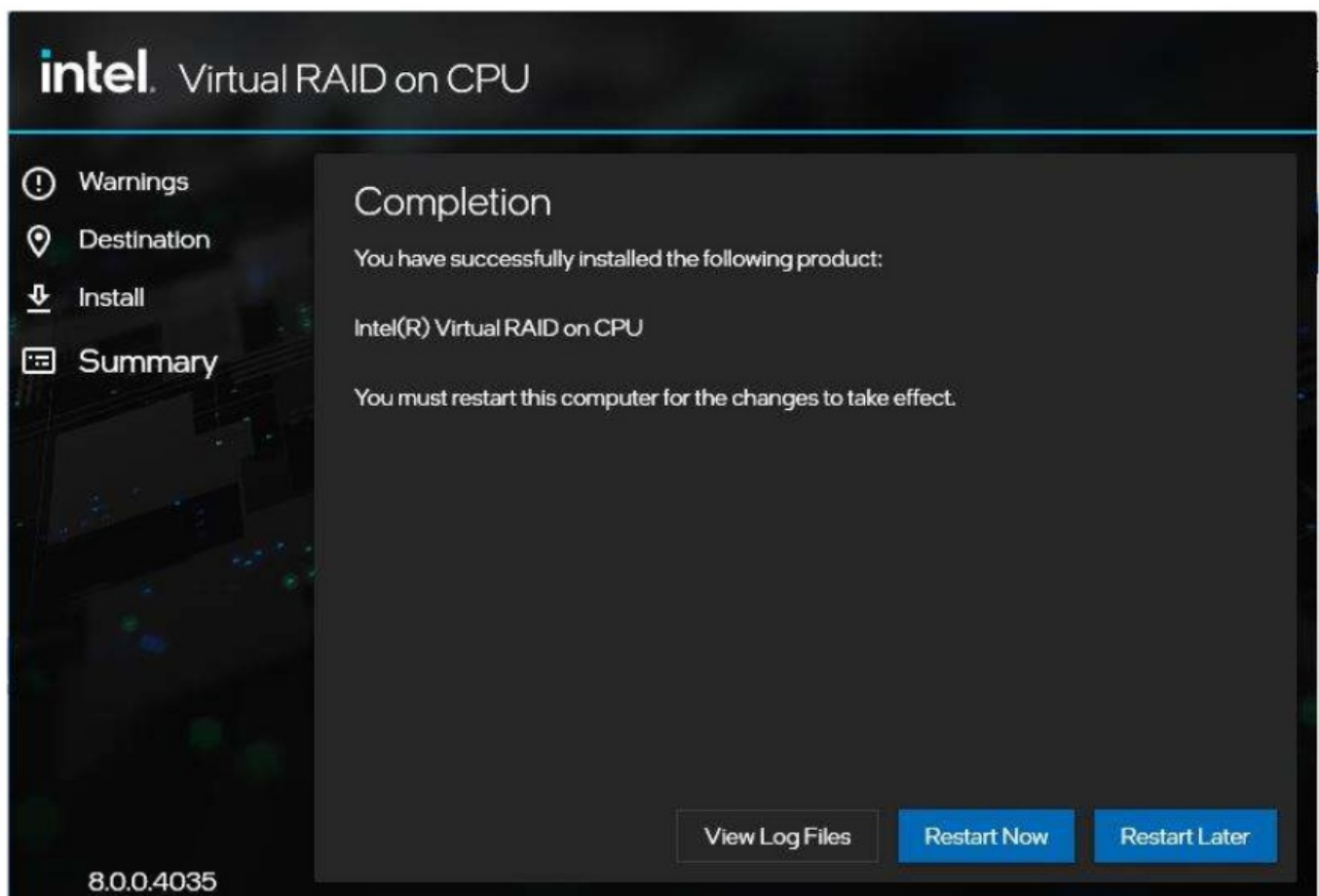
Step 5:

Click "Install" to install the selected components

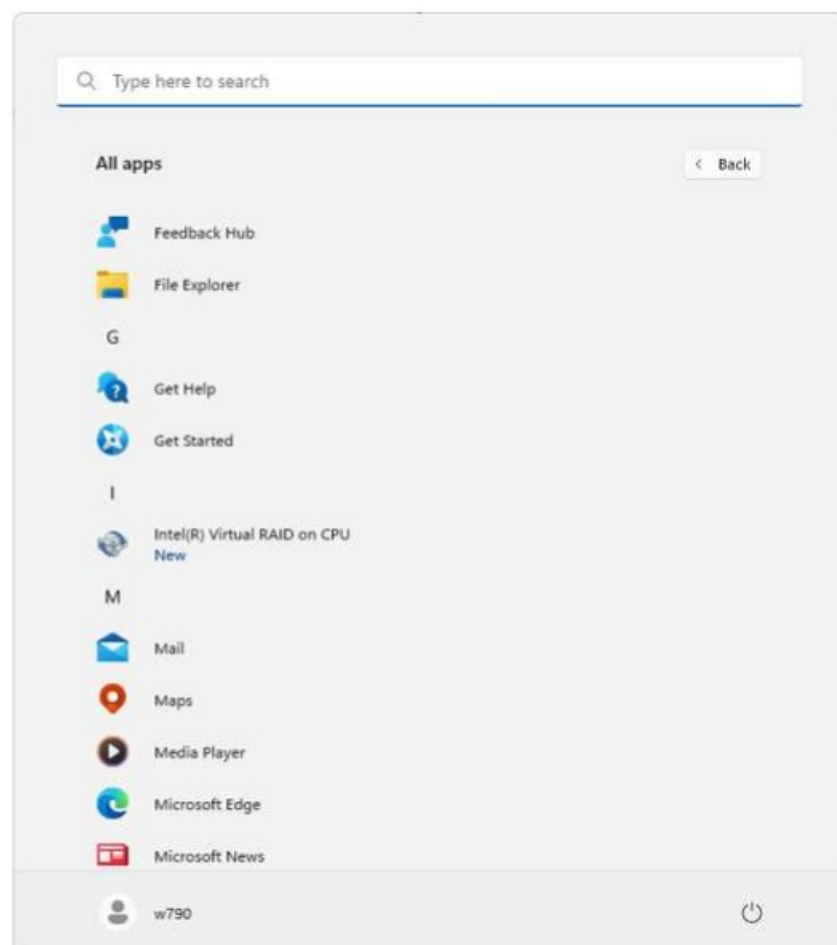


Step 6:

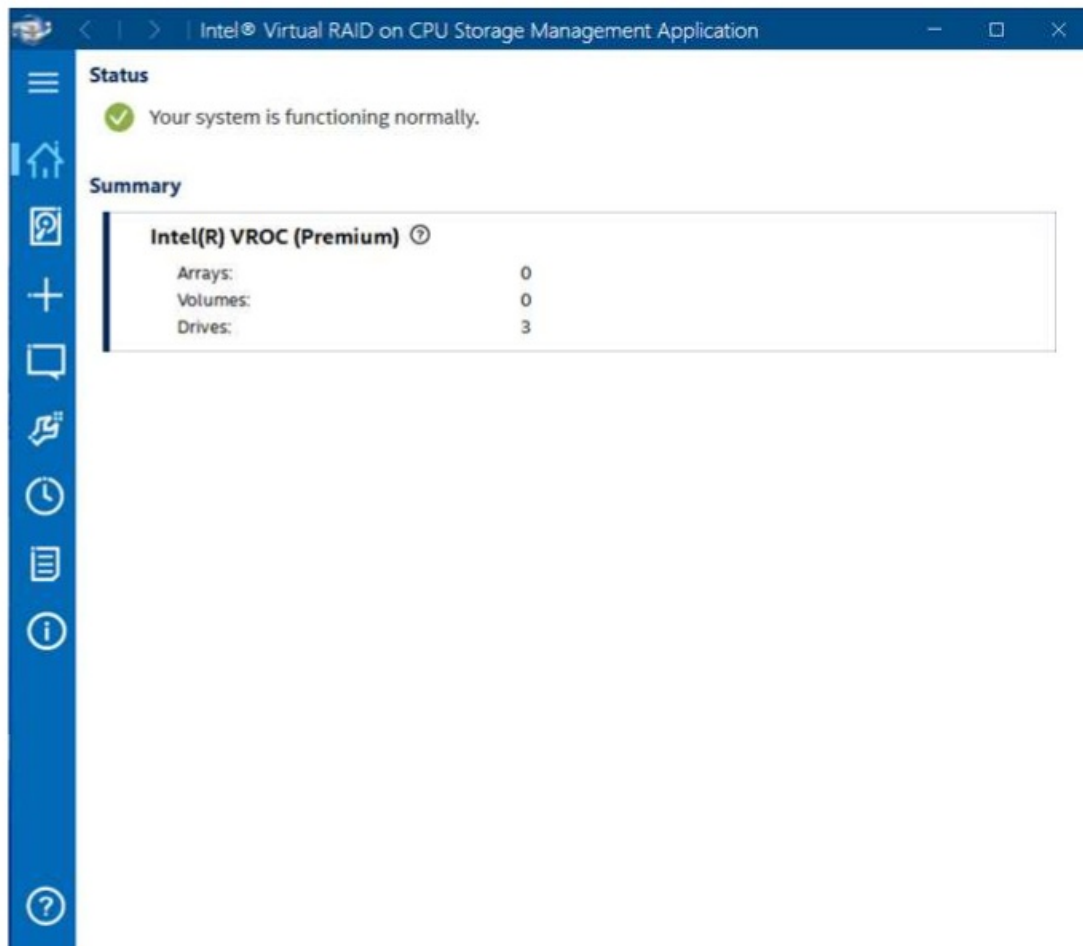
Click "Restart Now" to complete the installation process and reboot the system.



- The “Intel® Virtual RAID on CPU” application will then appear in the Windows® Start menu.

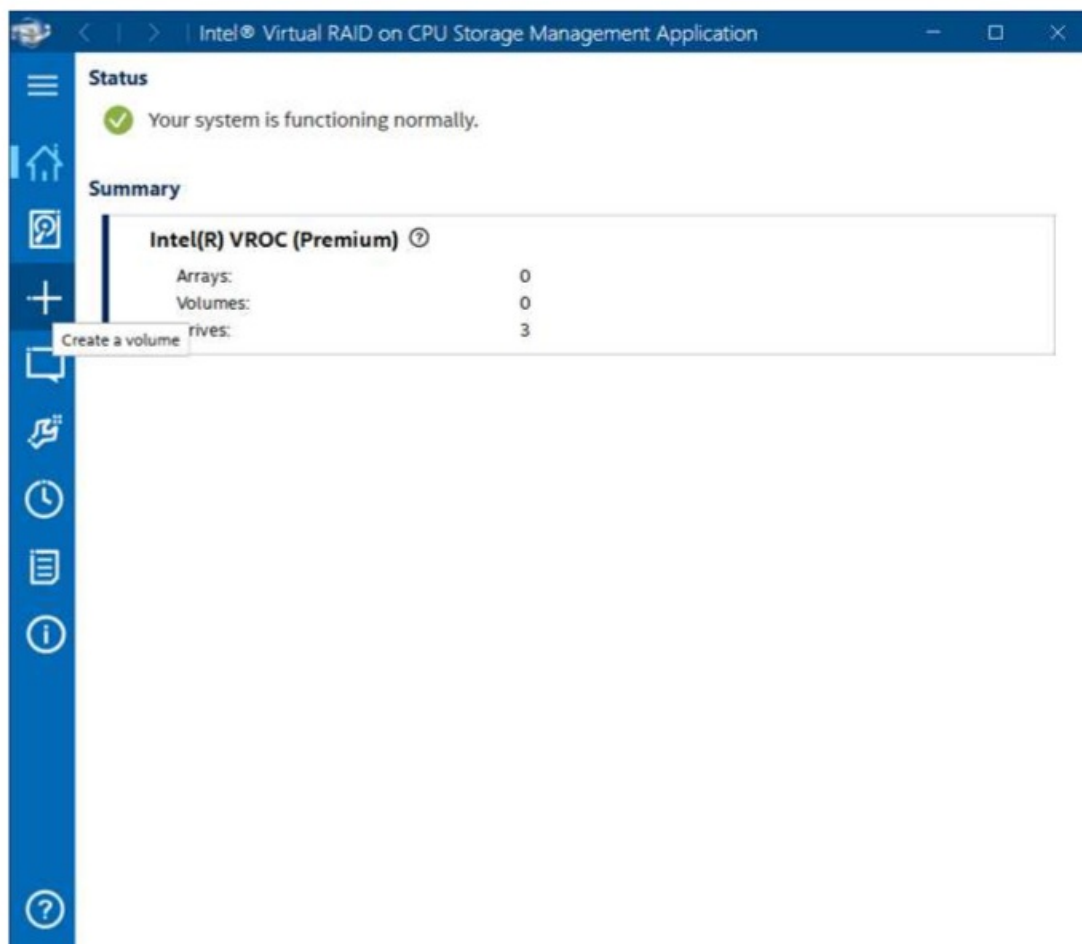


- Launch the “Intel® Virtual RAID on CPU”



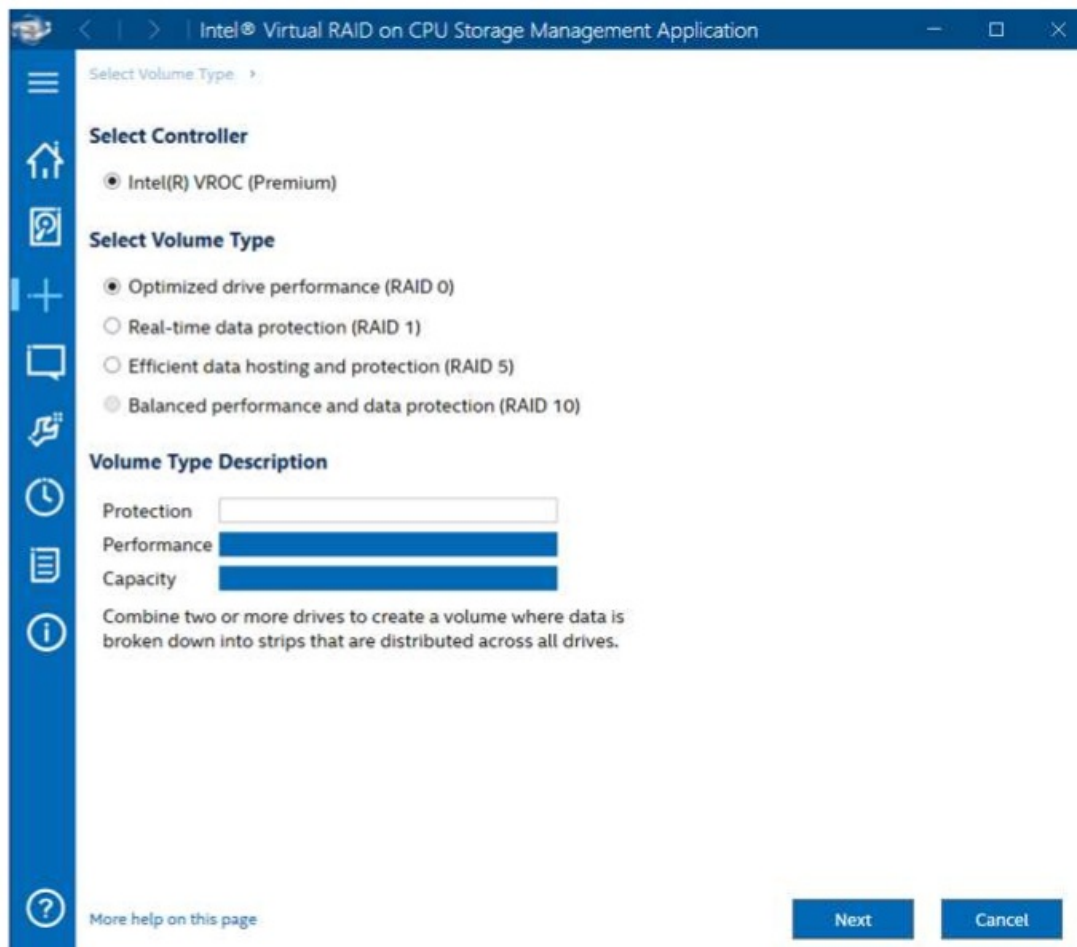
Step 7:

Within the menu pane on the left select the "+" (Create a Volume) to begin the process.



Step 8:

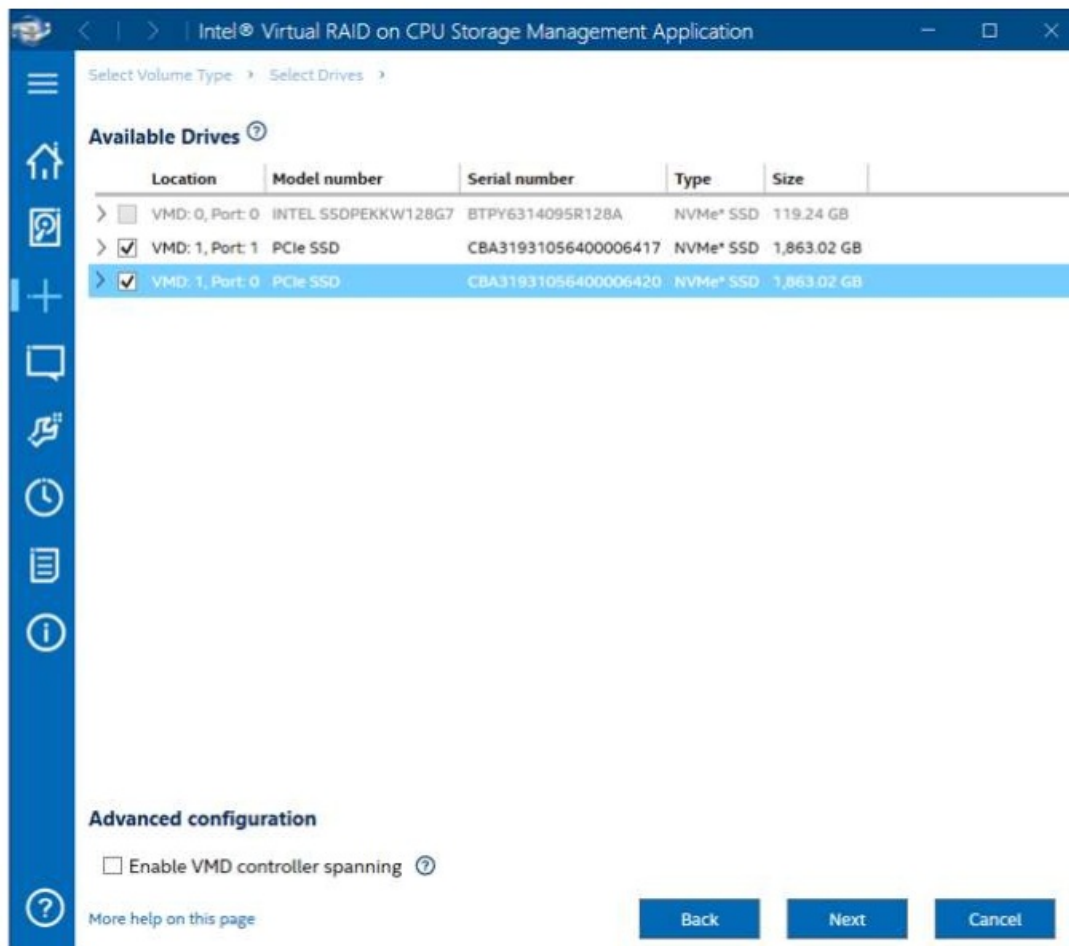
Select your desired RAID type and click “Next”.



The screenshot shows the 'Intel® Virtual RAID on CPU Storage Management Application' window. The title bar includes navigation arrows, the application name, and standard window controls. A blue sidebar on the left contains icons for home, help, add, chat, share, clock, list, and info. The main content area is titled 'Select Volume Type' and includes a breadcrumb 'Select Volume Type >'. Under 'Select Controller', 'Intel(R) VROC (Premium)' is selected. Under 'Select Volume Type', four options are listed: 'Optimized drive performance (RAID 0)' (selected), 'Real-time data protection (RAID 1)', 'Efficient data hosting and protection (RAID 5)', and 'Balanced performance and data protection (RAID 10)'. The 'Volume Type Description' section shows three horizontal bars for 'Protection', 'Performance', and 'Capacity', with 'Performance' and 'Capacity' highlighted in blue. A descriptive text states: 'Combine two or more drives to create a volume where data is broken down into strips that are distributed across all drives.' At the bottom, there is a 'More help on this page' link and two buttons: 'Next' and 'Cancel'.

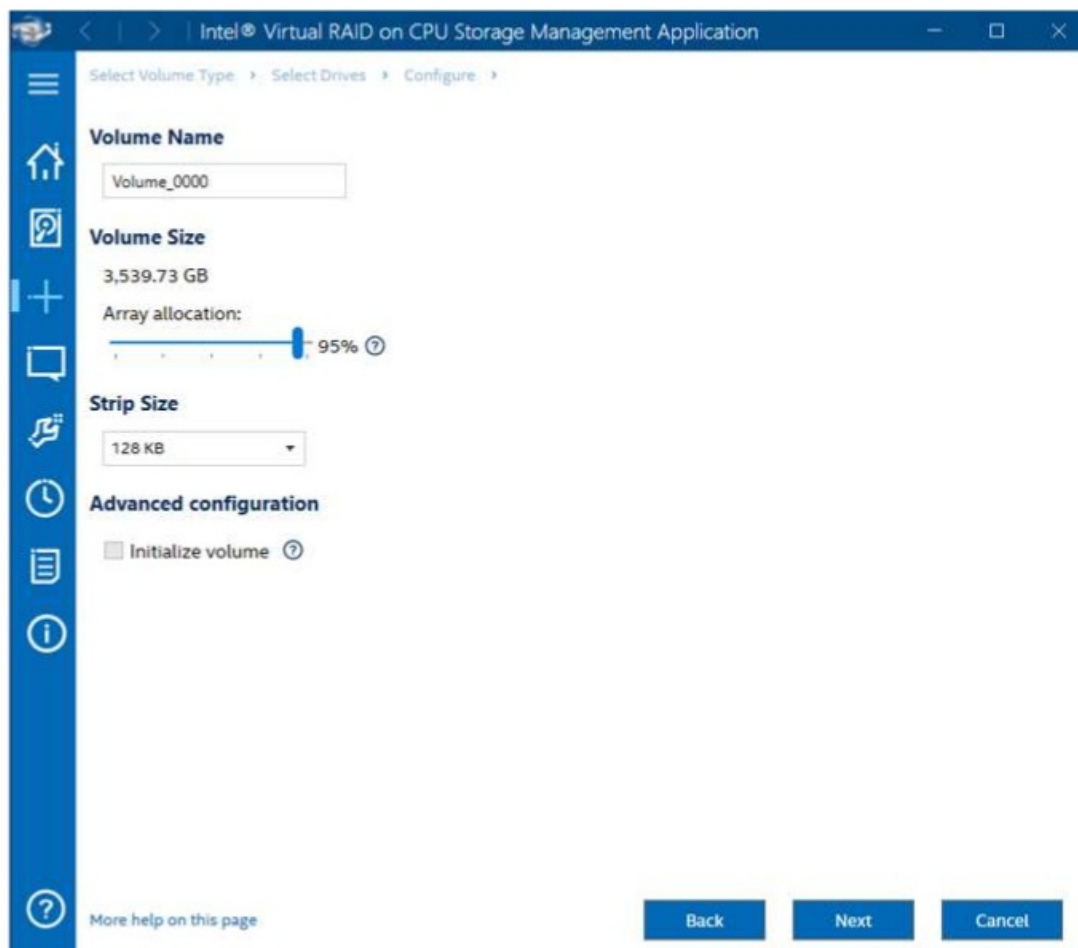
Step 9:

Select the hard drives to be included in the RAID array and then click “Next”.



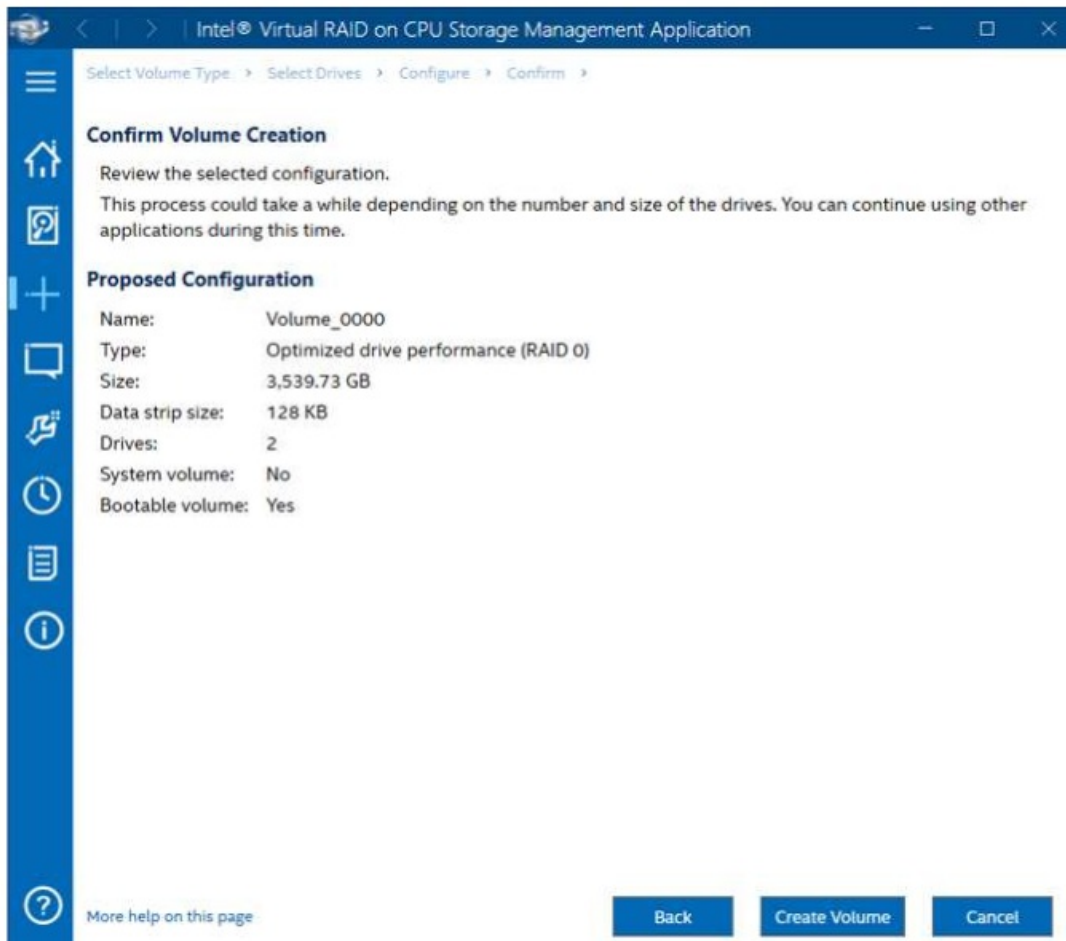
Step 10:

Configure the rest of the options and then click “Next”.



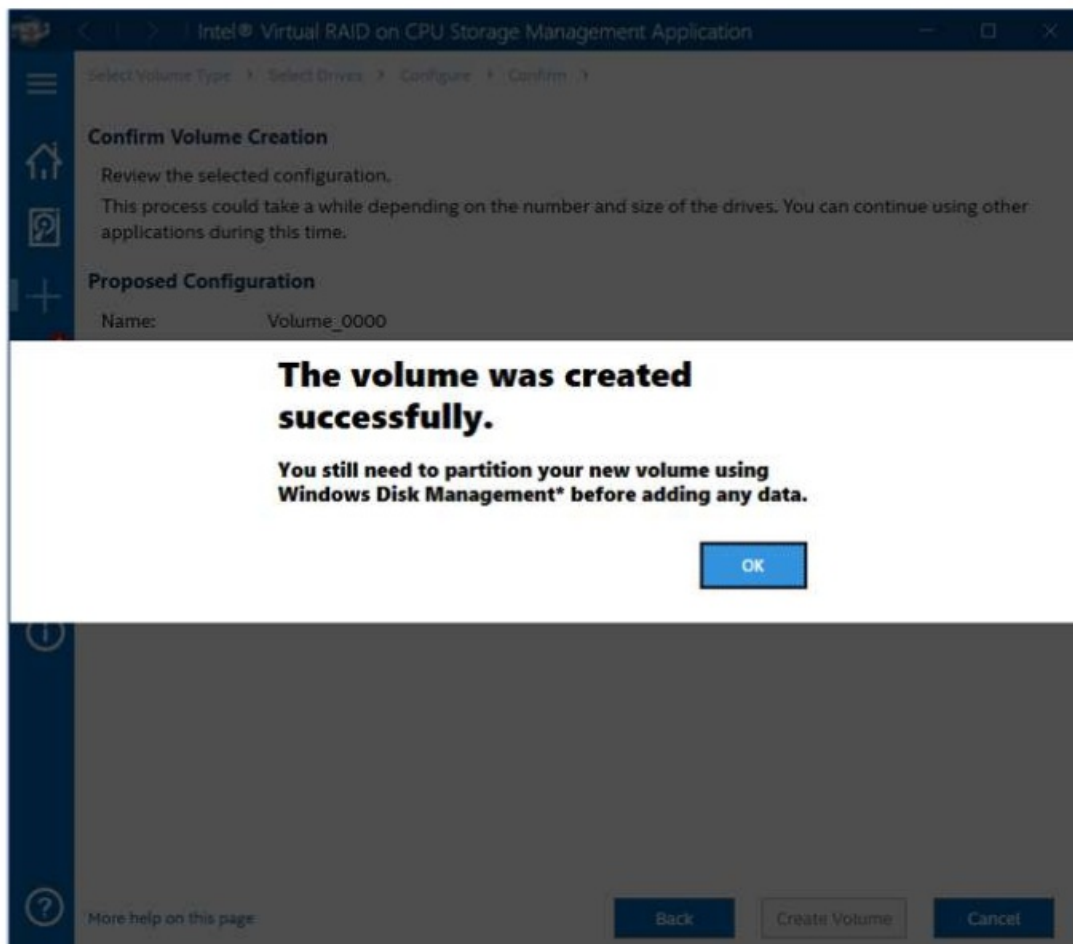
Step 11:

Configure Click "Create Volume".

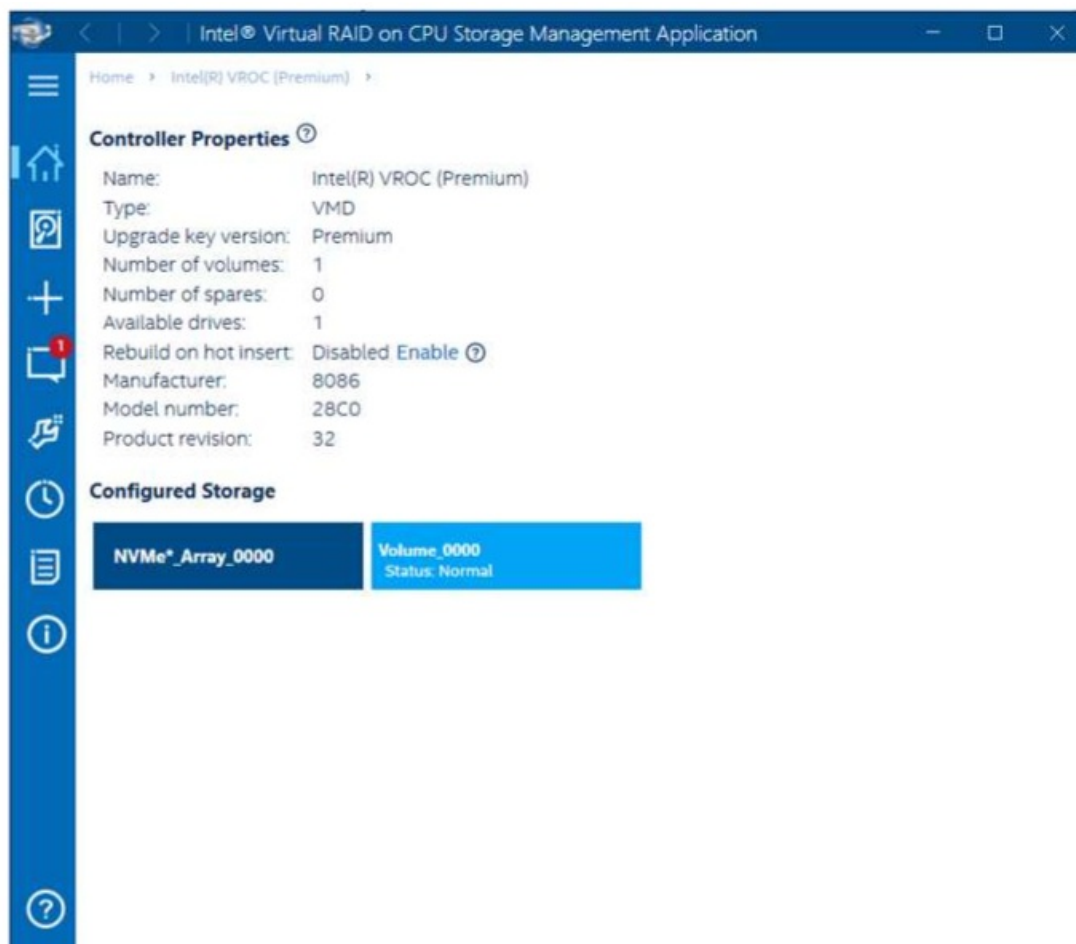


Step 12:

Click "OK" to continue. This will complete the volume creation process.

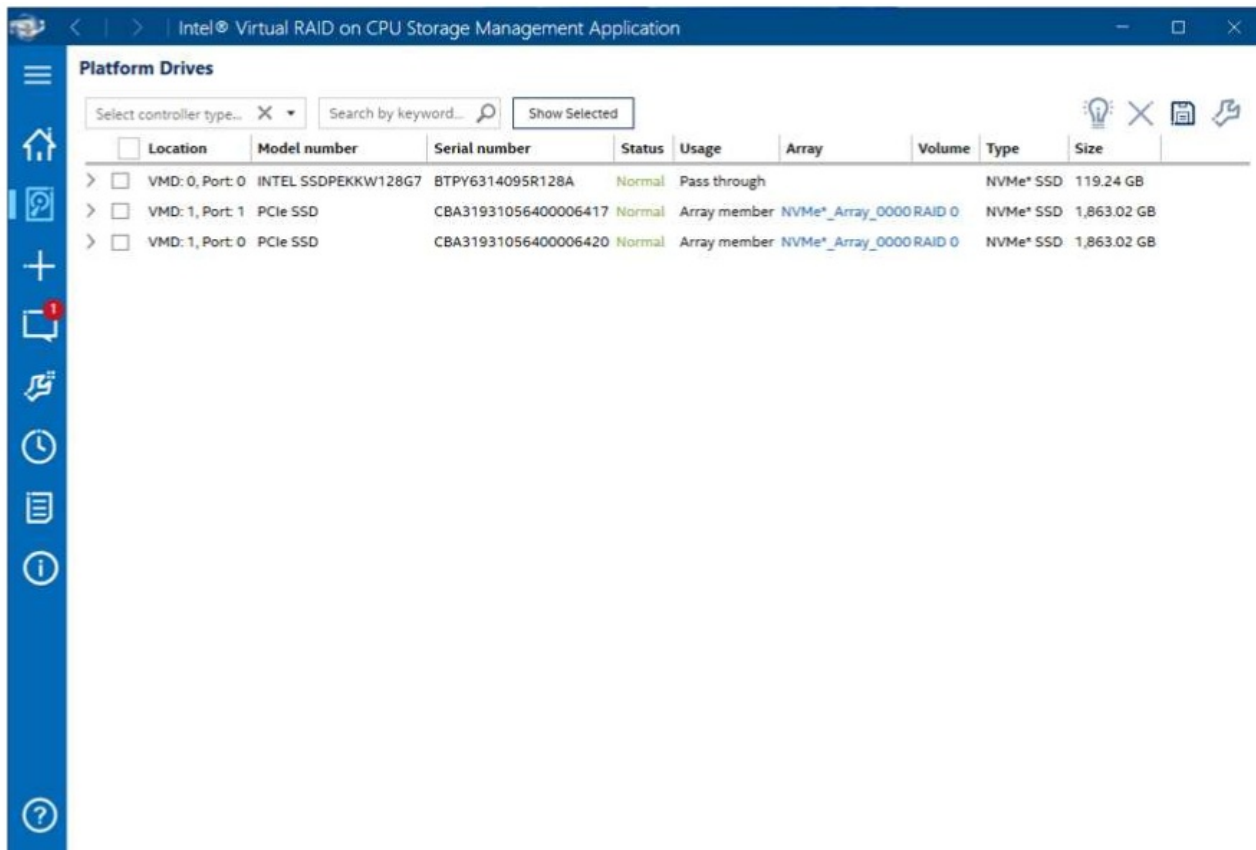


Volume Creation Complete



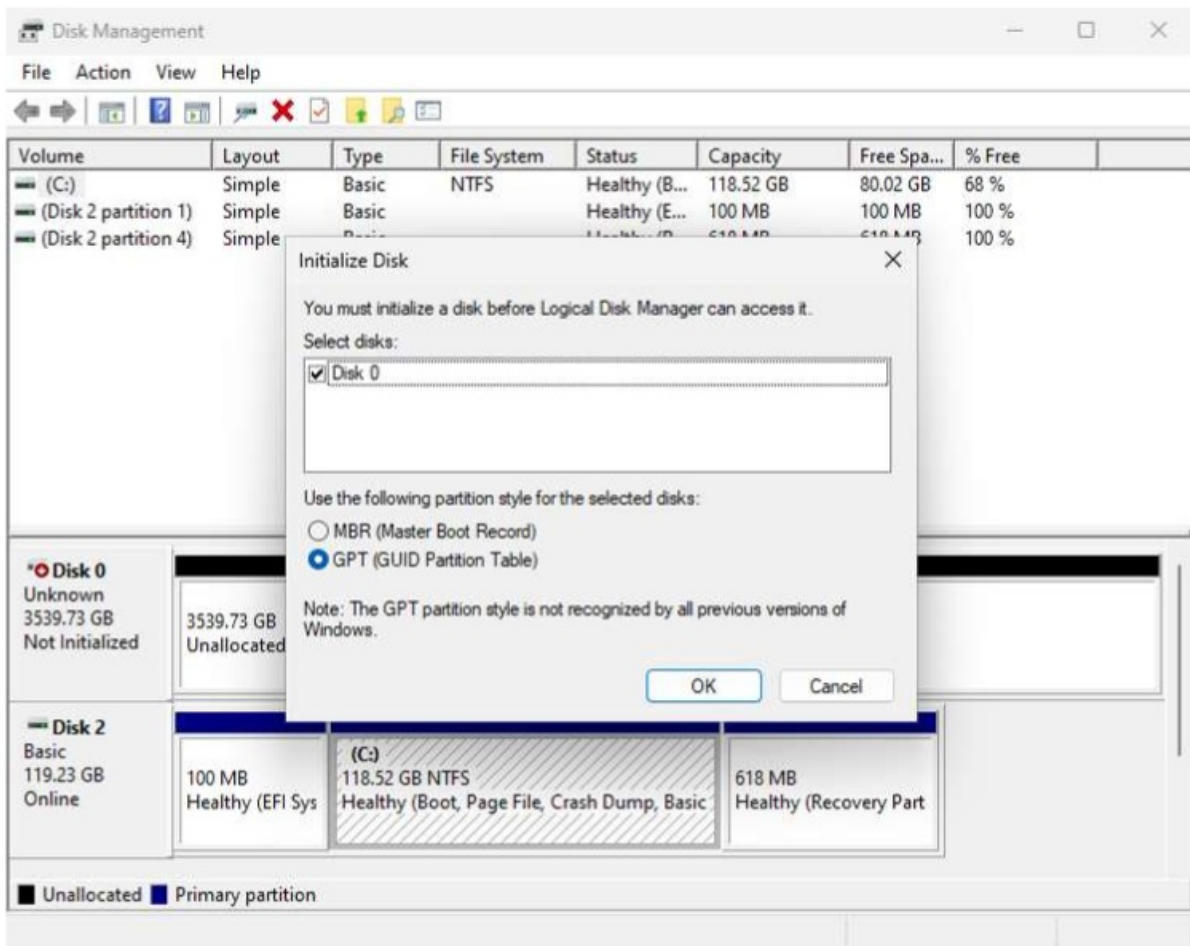
Step 13:

Within the menu pane on the left select the “Platform Drives” to view the current status and volume properties of the newly created RAID volume.



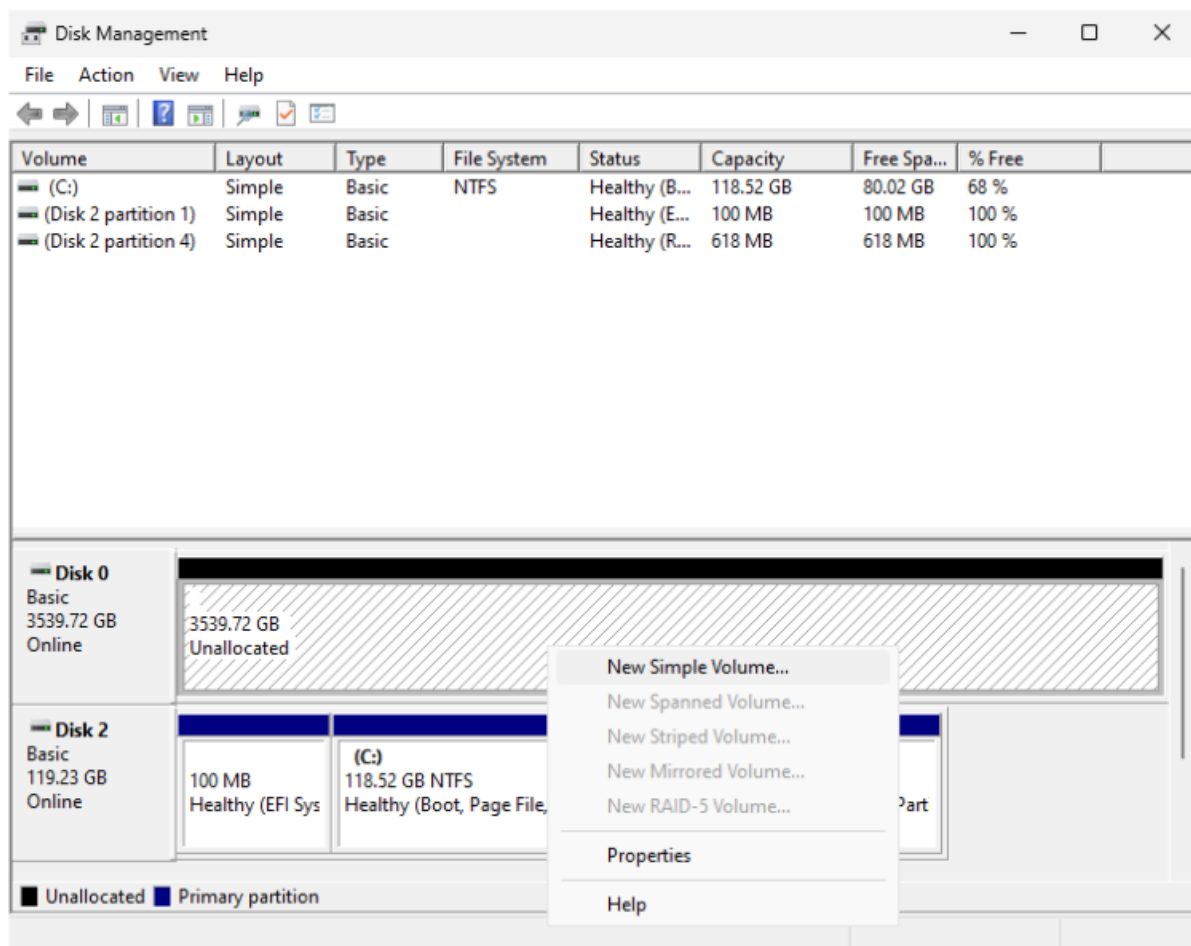
Step 14:

In Windows Disk Management, you need to initialize a disk before Logical Disk Management can access it. Click “OK”.



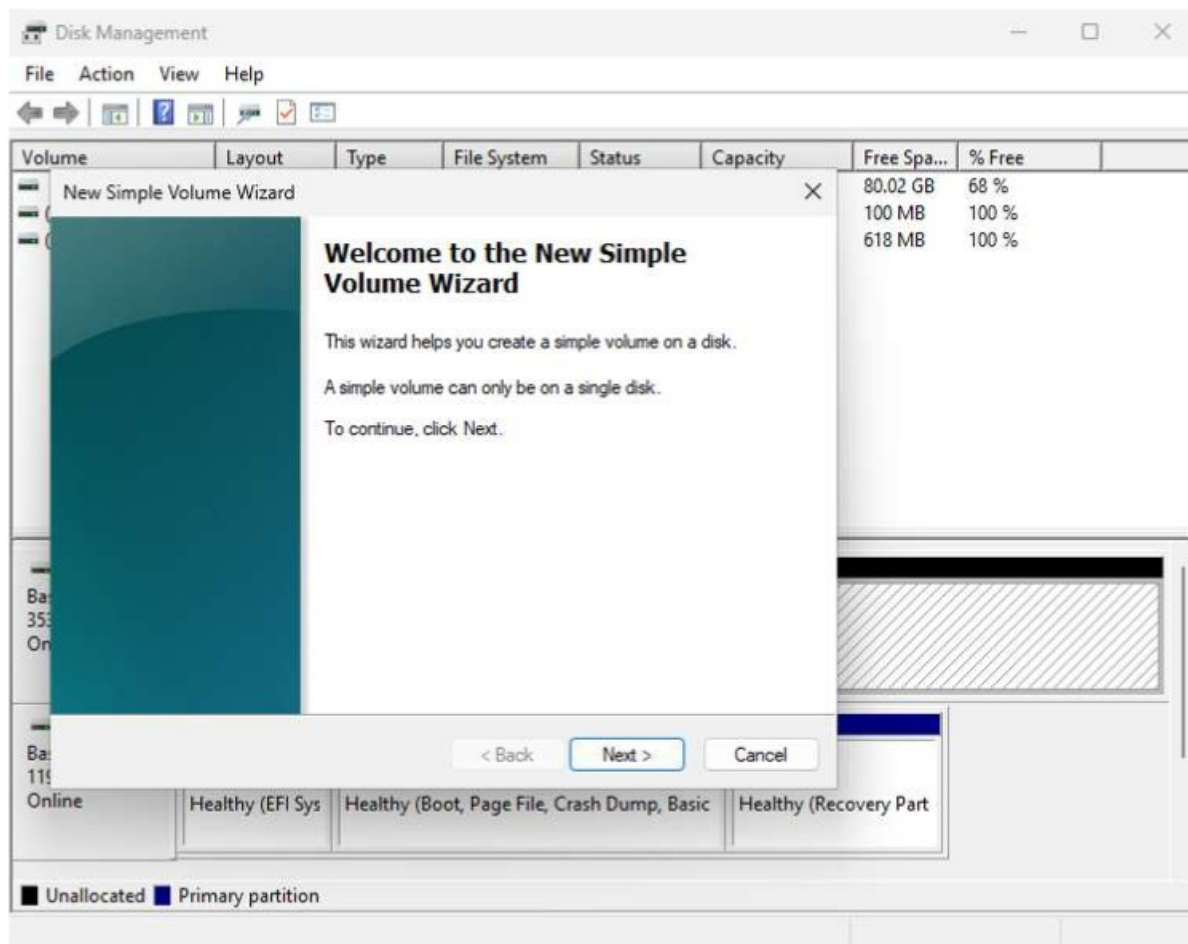
Step 15:

Right-click on Disk 0, click "New Simple Volume".



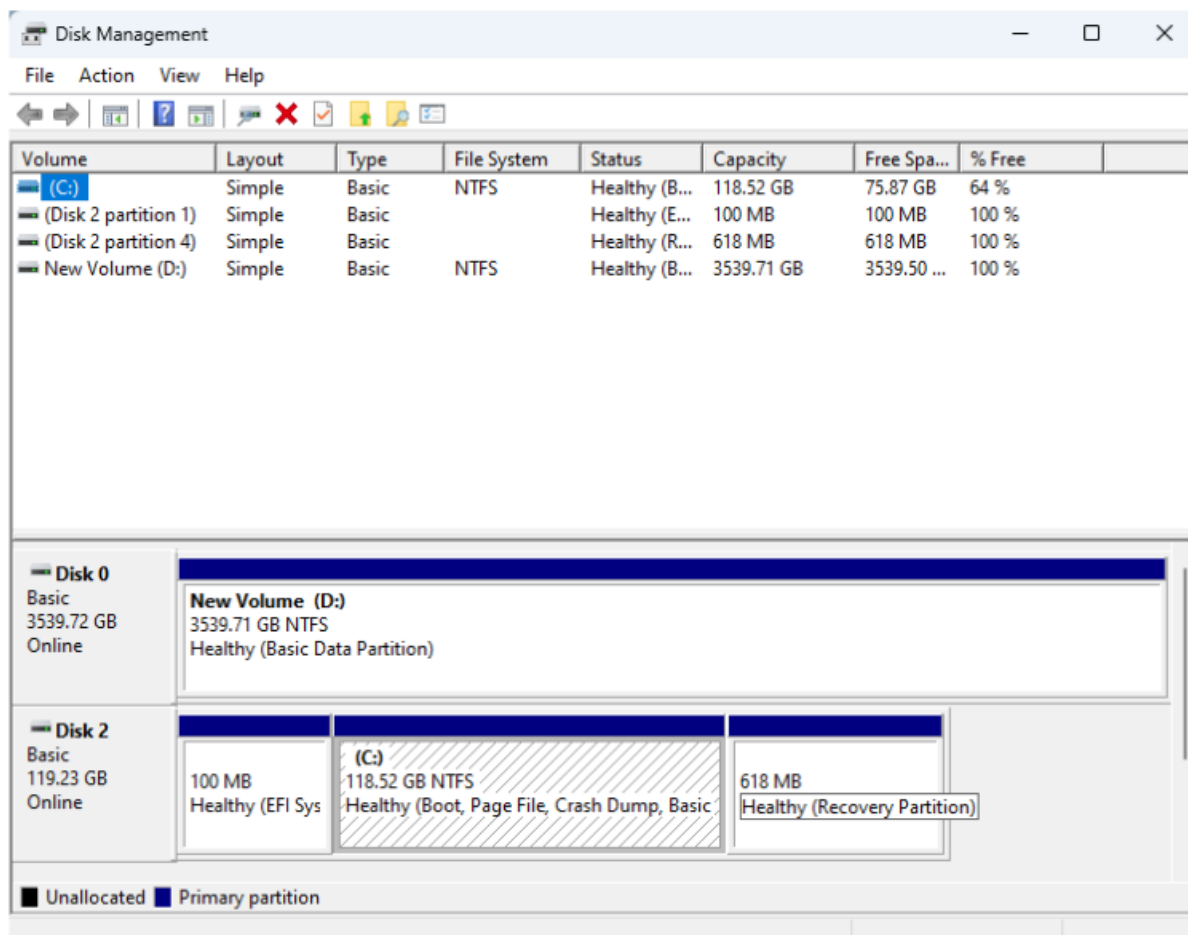
Step 16:

Then follow the instructions on the New Simple Volume Wizard




Step 17:

Finally, you can start to use RAID 0 function.



Documents / Resources

	<p>ASRock Intel Virtual RAID on CPU Software [pdf] User Guide</p> <p>Intel Virtual RAID on CPU Software, Virtual RAID on CPU Software, RAID on CPU Software, CPU Software, Software</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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