

Add Virtual Drive in the Modular RAID Controller

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Introduction

This document describes the procedure to use the Modular RAID Controller (Cisco 12G SASA Modular RAID) to configure disk drive groups and virtual drives, RAID configuration and to perform other configuration tasks in a pre-boot environment.

Procedure to Add Virtual Drive

Perform these steps to configure drive groups and virtual drives with the use of the Modular RAID Controller.

1. Log into the Cisco UCS Manager.
2. Open a console to the host.
3. Reboot the host

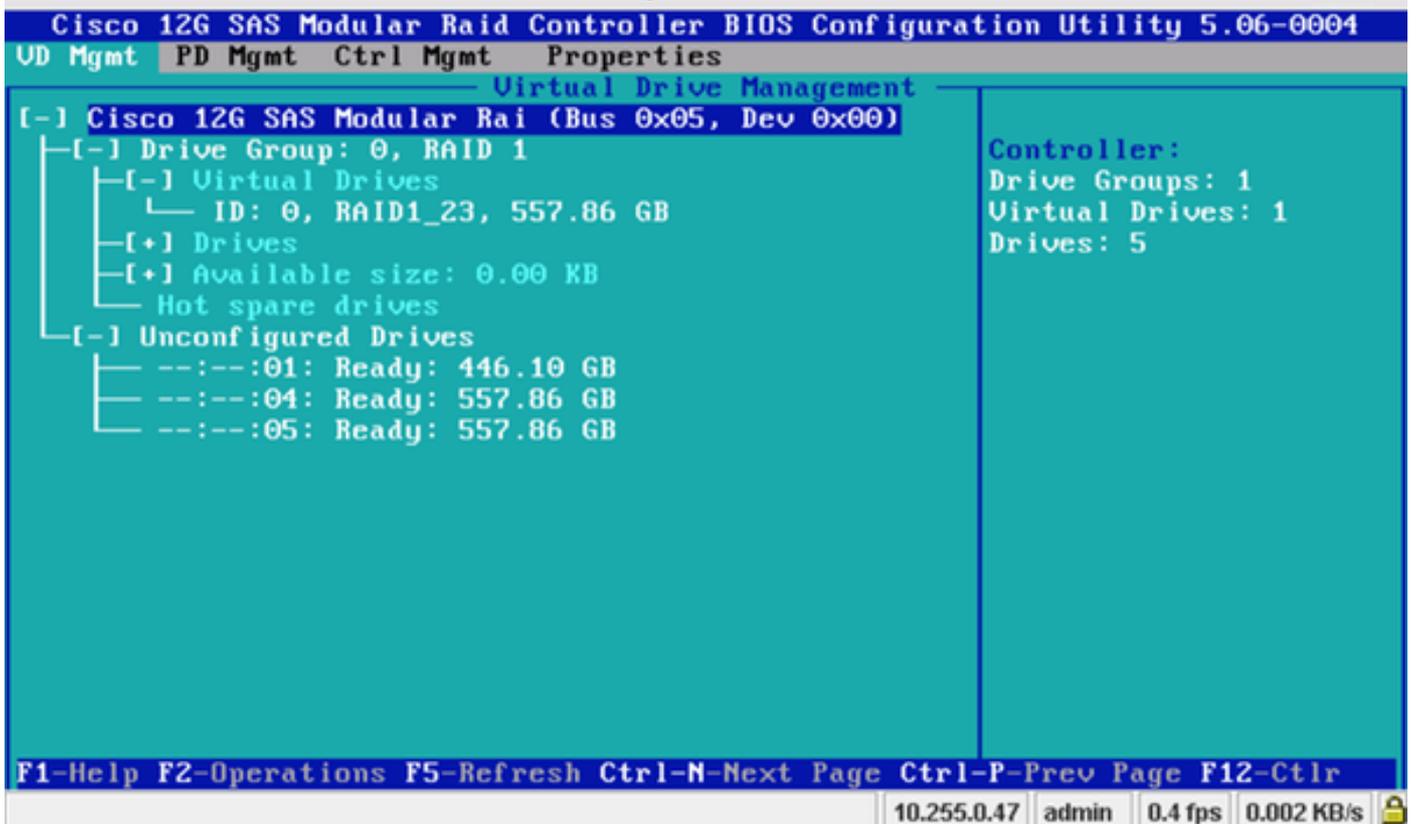
```
File View Macros Tools Power VirtualMedia Help
ID LUN VENDOR PRODUCT REVISION CAPACITY
-- -- -
      LSI Cisco 12G SAS Modular Raid 4.250.01-3633 0MB
8 0 SEAGATE ST600MM0006 0001 572325MB
10 0 SEAGATE ST600MM0006 0001 572325MB
12 0 SEAGATE ST600MM0006 0001 572325MB
13 0 SEAGATE ST600MM0006 0001 572325MB
14 0 ATA INTEL SSDSC2BB48 0370 457862MB
    0 LSI Virtual Drive RAID1 571250MB

0 JBOD(s) found on the host adapter
0 JBOD(s) handled by BIOS

1 Virtual Drive(s) found on the host adapter.

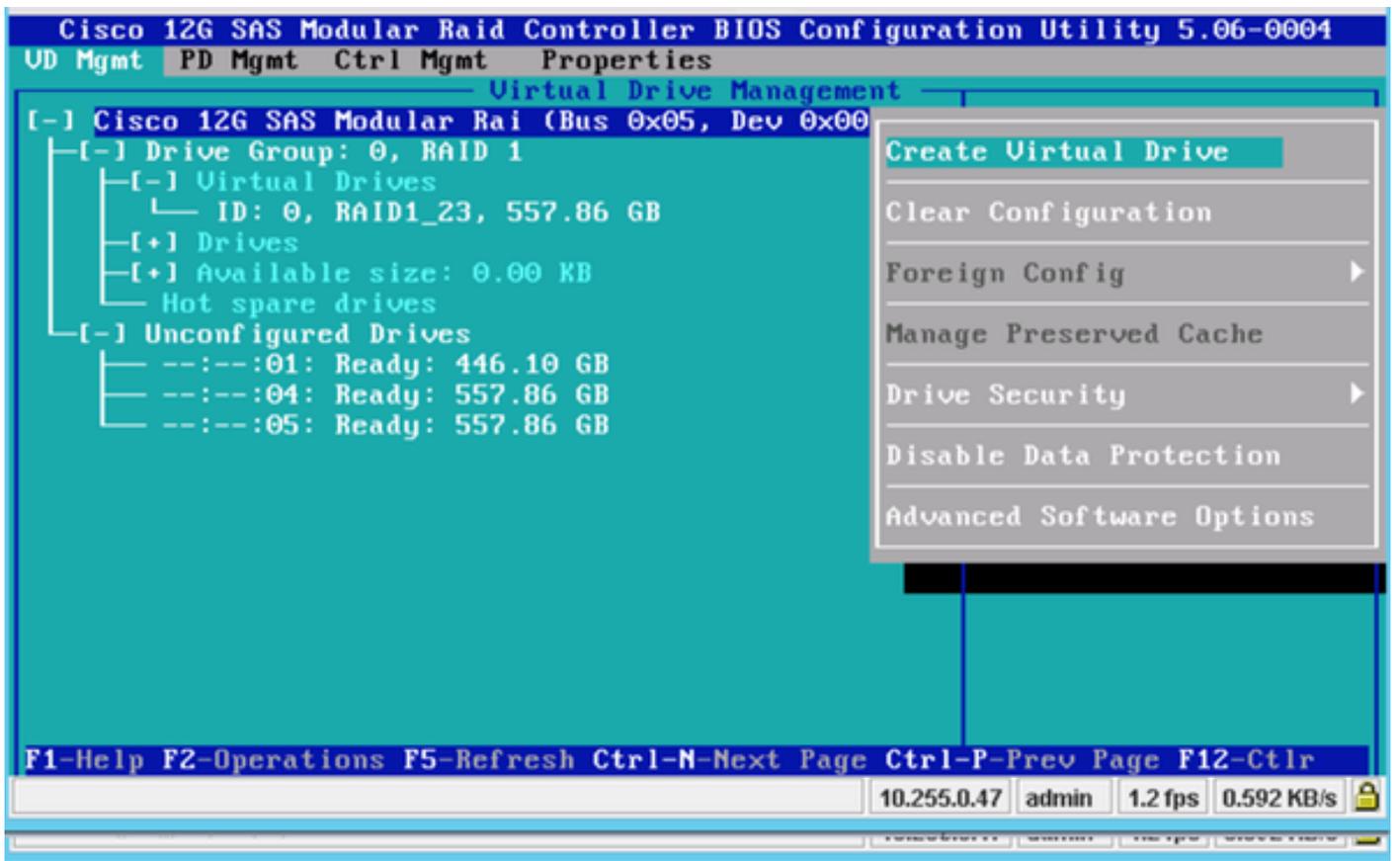
1 Virtual Drive(s) handled by BIOS
Press <Ctrl><R> to Run MegaRAID Configuration Utility
```

On boot up hit **Ctrl+R** to enter the Cisco 12G SAS Modular Raid Controller BIOS Configuration Utility.

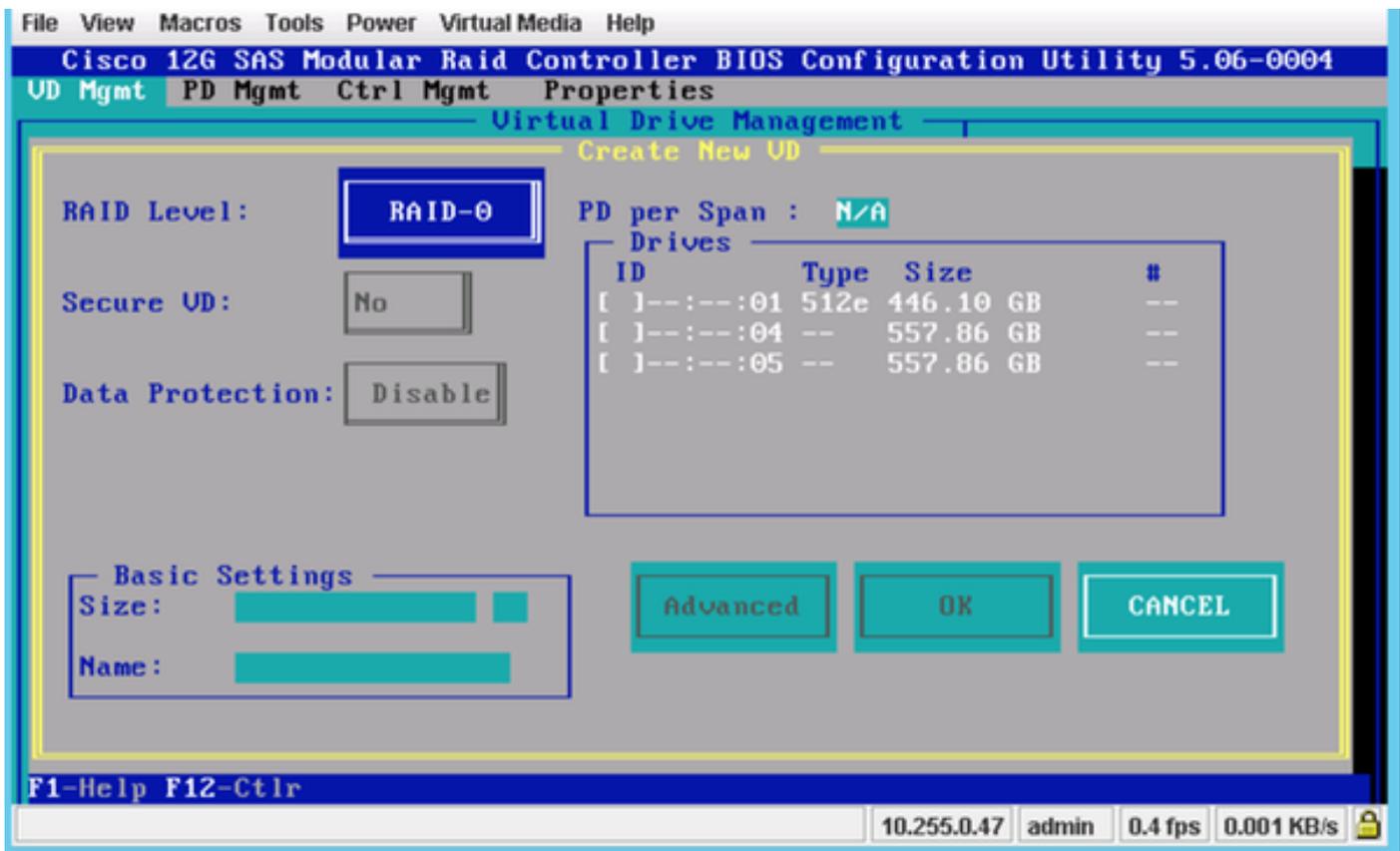


Keep the cursor on the controller name Cisco 12G SASA Modular RAID and press **F2**.

Select **Create Virtual Drive**.

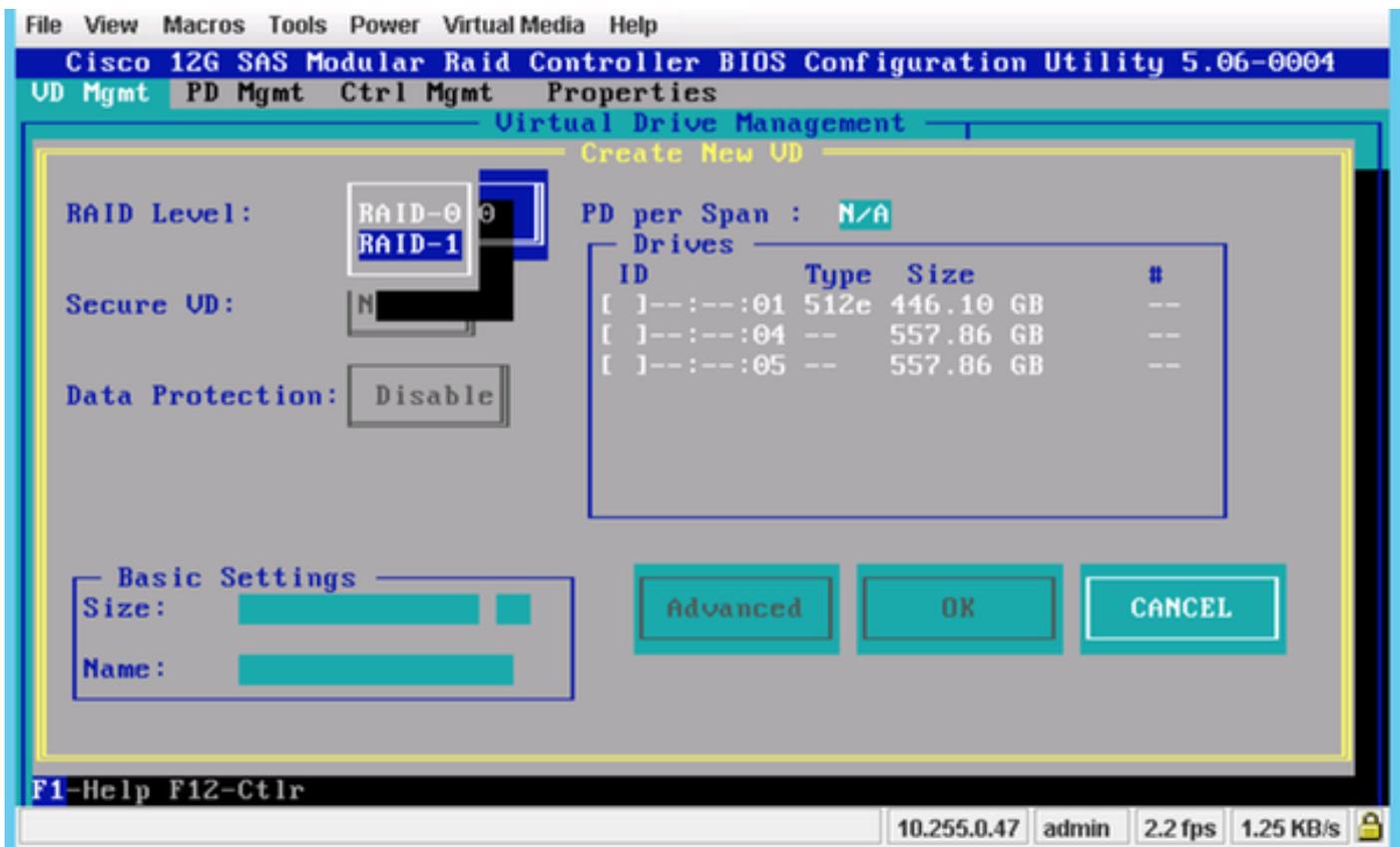


This shows VD Mgmt that helps to configure the RAID.



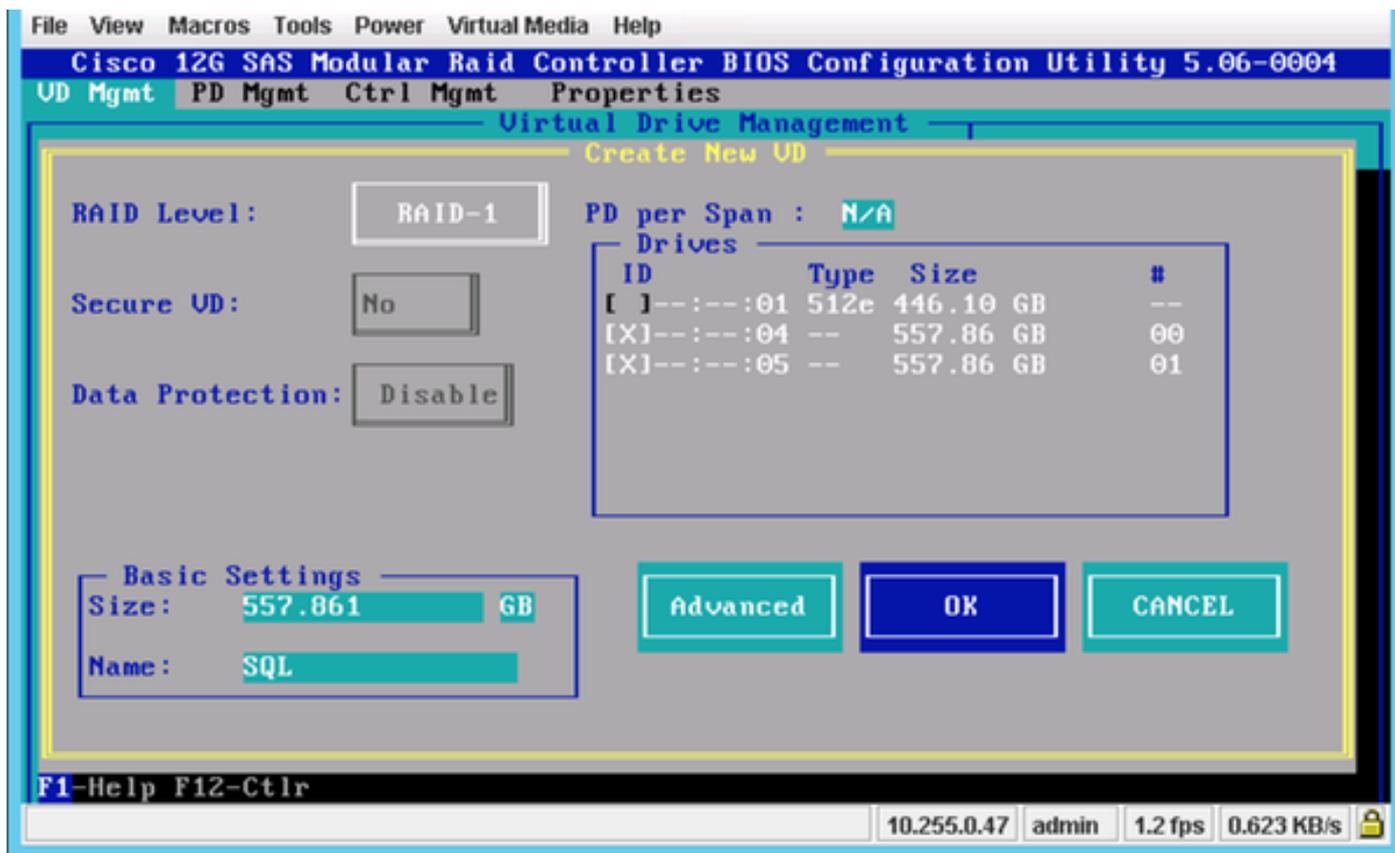
Note: Cisco 12G SASA Modular RAID supports only RAID 0 and RAID 1.

Select the **RAID** as per the requirement.



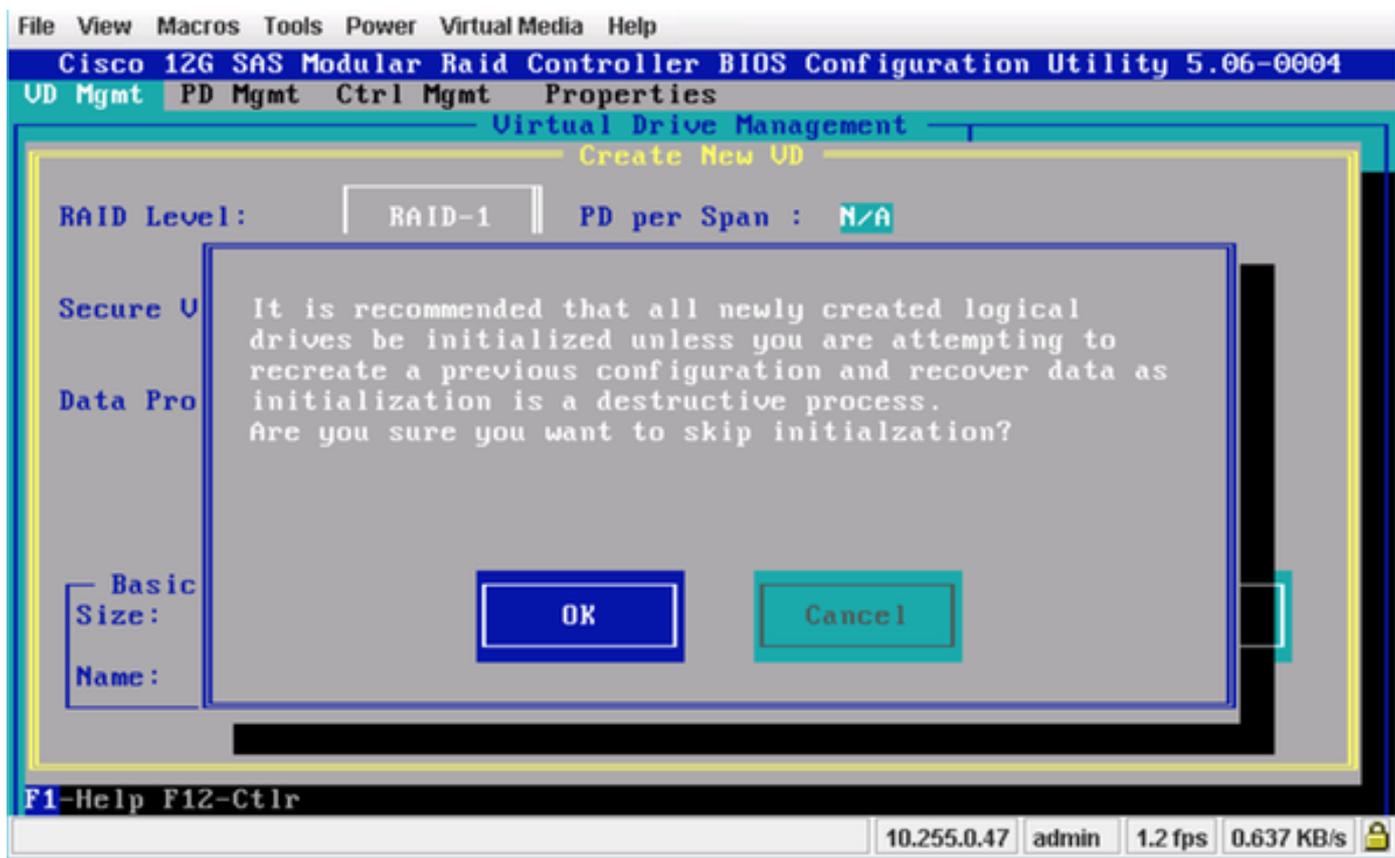
After you select the RAID, select the Hard Drives that will be the part of this RAID.

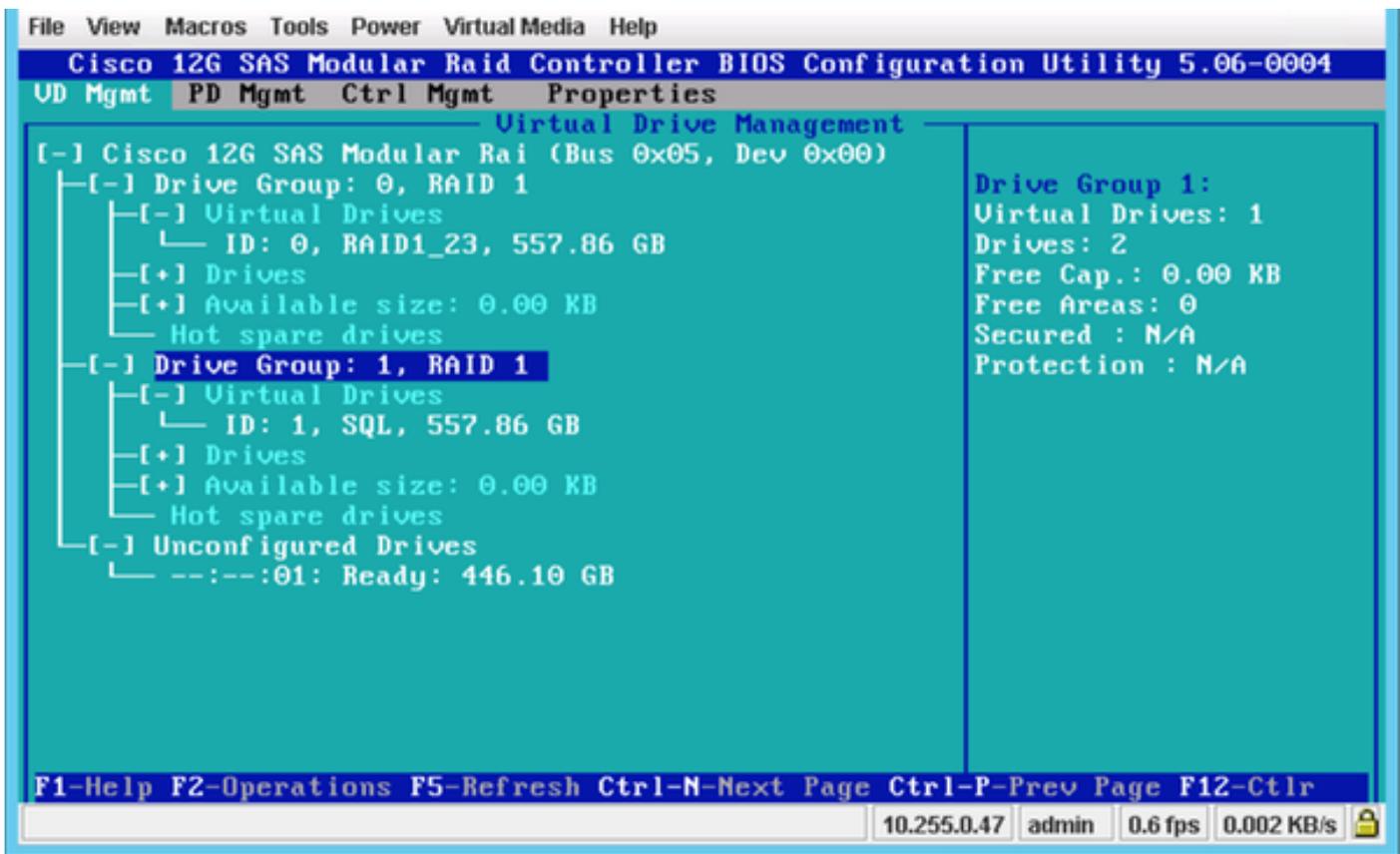
For example, Drive 4 and Drive 5 was chosen as shown.



Now, press **OK**.

This warning message will appear on the screen, press **OK**.





In this screen shot, you see that a New Virtual Drive with 2 Physical drives is successfully added.

Related Information

- http://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/3rd-party/lsi/erswug/guide/48712-00B_EmbMRAID_SWUG.pdf
- [Technical Support & Documentation - Cisco Systems](#)