Configuring RAID

[Video for this Configuration](https://www.youtube.com/watch?v=EPe0BOJDMcA)

I thought I needed to initialize for PowerEdge 710B. I had to go to system setup and change the boot sequence to select just the Integrated RAID option. I am having an issue with Linux not coming up after the initializing of RAID. Conclusion: When you initialize the RAID, then you have to upload Ubuntu and KVM again. This took awhile. The RAID is already configured on the servers.

RAID levels explained in this [link](https://www.booleanworld.com/raid-levels-explained/)

RAID levels comparison chart [link](https://www.raid-calculator.com/raid-types-reference.aspx)

RAID Real World Performance [link](https://larryjordan.com/articles/real-world-speed-tests-for-different-hdd-raid-levels/)

We can configure the RAID using function F10 instead of control R.

F2: I changed the boot sequence to: Hard Drive, Embedded, then SATA – to change the boot order you just press the minus or plus key on the keyboard to move the order around.

I pressed F2 in BIOS configuration and selected check consistency to verify and correct parity or mirror for fault tolerance on virtual disk. It is recommended by dell.com [link](https://www.dell.com/support/kbdoc/en-us/000139796/perc-how-to-perform-a-check-consistency-using-openmanage-server-administrator) (performed every 30 days) The consistency takes a while but is recommended every 30 days, so it is done for the R710b.