How to create a RAID1 System on the PR/VR PC's

At first: Be aware that you will lose all data on the SSD. There exist no workaround.

Here are the steps you have to follow

- 1. Switch off the PC
- 2. Insert a second HDD/SSD into the empty SATA Slot
- 3. Reboot the PC and press the "del" key until you are in the BIOS screen
- 4. Switch to the Advanced menu and change the SATA mode Selection from AHCI to RAID, be aware, that the Software Preserve status is on both SSDs on "SUPPORTED"

Aptio Setup U Advanced	tility – Copyright (C) 2017 American	neguti chao,
SATA Controller(s) SATA Mode Selection SATA Speed Serial ATA Port 1	[Enabled] [RAID] [Gen3] SQF-S25M4-256G (256.0GB)	Determines controller(
Software Preserve Serial ATA Port 2 Software Preserve	Empty Unknown	
Serial ATA Port 3 Software Preserve	SATA Mode Selection — AHCI RAID	↔: Select †∔: Select
		Enter: Sele +/-: Change F1: General F2: Previou F3: Optimiz F4: Save &

5. Reboot the PC

6. During reboot press <Ctrl><I> at the same time. It will take some time, then the RAID Menu appears

Rexroth Intel(R) Rapid Copyright (I 1. Create RAI 2. Delete RAI 3. Reset Disk	Storage Technology C) Intel Corporation [MAIN M D Volume D Volume s to Non-RAID [DISK/VOLUME]	 Option ROM All right All Recover Recover Acceler Exit FORMATION] 	- 14.8.0.2377 s reserved. •y Volume Options	ms
RAID Volumes: ID Name Ø Volume1 Physical Devices: ID Device Model	Level RAID1(Mirror) Serial #	Strip S N/A 149.0 Si: 238.4	ize Status 3GB Normal ze Type/Status GB Member Disk	Bootable Yes (Vol ID) (0)
0 SQF-S25M4-256G-S 2 TOSHIBA MK1676GS	127NC0QYT	149.0	GB Member Disk	(8)
[↑↓]-Select	LESU J-Exit	LE	IIIKI-Select M	

- 7. Press the number 1 to create a RAID Volume
- 8. Select RAID1 for mirroring, that means, both SSD's have always the same information
- 9. Save and Exit this menu
- 10. Get the recovery stick ready and plug it into one USB Slot
- 11. The recovery routine will start
- 12. It will take some time until everything is done, follow the hints on the screen
- 13. After everything is finished, you can work as usual

14. To check the RAID System while running, you can use the Intel Rapid Storage Technology Software which is always installed on the PR/VR



If you have any questions, do not hesitate to contact me

Peter