Creating a new RAID 1 array with 'mdadm'

STEP 1: Create the array

```
sudo mdadm --create /dev/md0 --level=1 --raid-devices=2 /dev/sdb1 /dev/sdc1
```

STEP 2: Make the filesystem

```
sudo mkfs.ext4 /dev/md0
```

STEP 3: Add the array to the mdadm configuration file

```
sudo mdadm --detail --scan >> /etc/mdadm/mdadm.conf
```

STEP 4: Update initramfs

```
sudo update-initramfs -u
```

STEP 5: Create a mount point

```
sudo mkdir '/mnt/your_dir_name_here'
```

STEP 6: Add the new array to /etc/fstab

```
sudo nano /etc/fstab

[UUID]        [MOUNT_POINT]      [FS_TYPE]    [OPTIONS]    [DUMP]      [PASS]
```

EXAMPLE:

```
7gh57g76-7ghh-7657-g153-128d87w8b67b7   /mnt/raid    ext4   defaults    0     2
```

CHECKING ON THE STATUS OF AN ARRAY (2 COMMANDS):

```
   1. cat /proc/mdstat
   2. sudo mdadm --detail /dev/md127
```