Procedure for expanding LVM array

This procedure is useful for adding drives to an array that is getting full.

> **sudo pvcreate /dev/sdXXXXX**

(replace xxxx with path to your new drive you are adding, the the LVM tutorial for more details)

Should read :
Physical volume "/dev/sdXXXXX" successfully created

> **sudo vgextend myvg_data /dev/sdXXXXX**

Replace myvg_data with whatever your volume group is called if you used something different from the LVM tutorial

Should read:
Volume group "myvg_data" successfully extended

> **sudo lvextend -l 100%VG /dev/mapper/myvg_data-data**

Should read something like:
Size of logical volume myvg_data/data changed from 7.28 TiB (1907722 extents) to 12.74 TiB (3338513 extents).
  Logical volume data successfully resized.

> **sudo resize2fs /dev/mapper/myvg_data-data**

Should read something like:
resize2fs 1.42.13 (17-May-2015)
Filesystem at /dev/mapper/myvg_data-data is mounted on /disk1; on-line resizing required
old_desc_blocks = 466, new_desc_blocks = 816
The filesystem on /dev/mapper/myvg_data-data is now 3418637312 (4k) blocks long.

> **df -h**
Check to make sure LVM is now the expected size