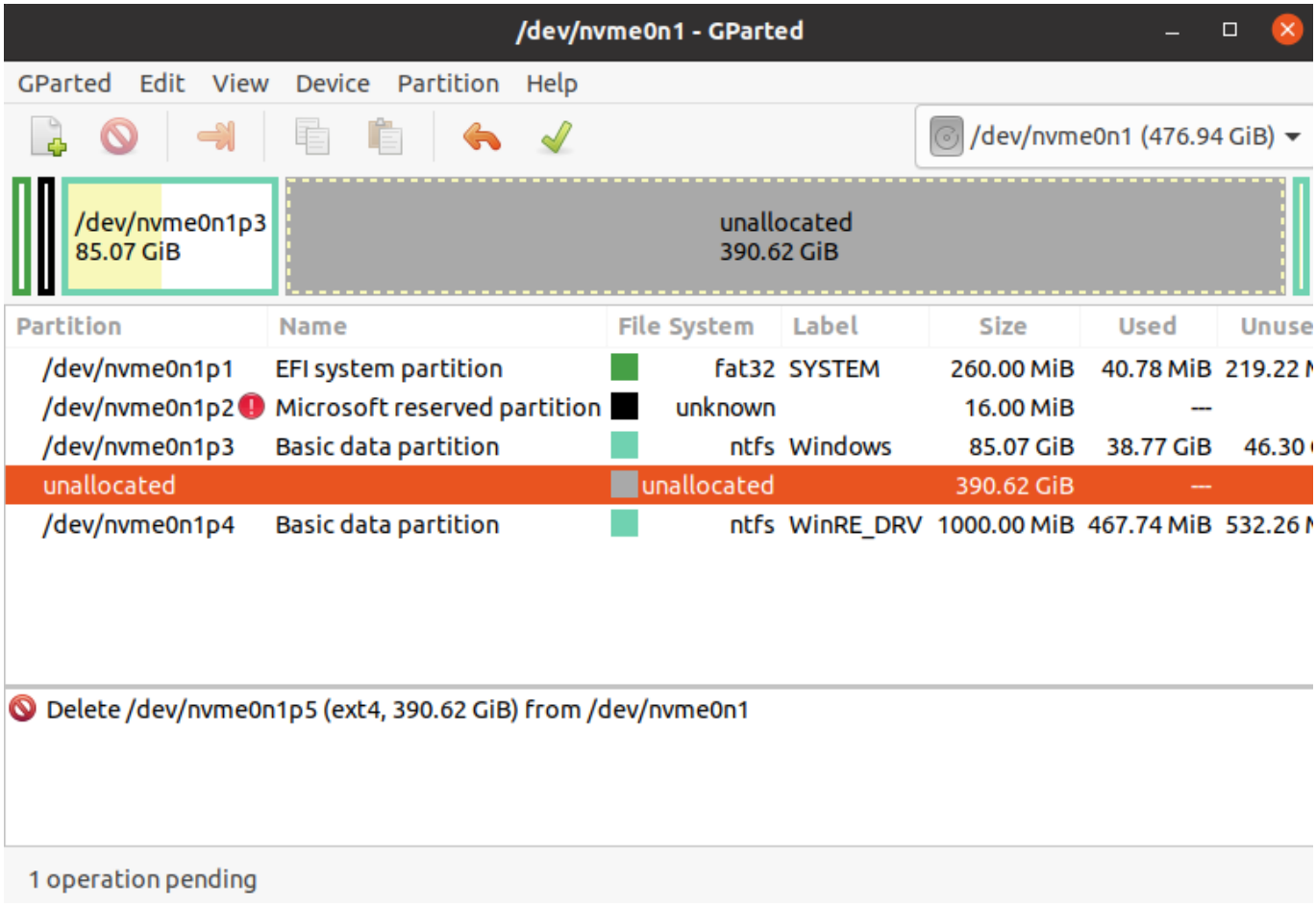
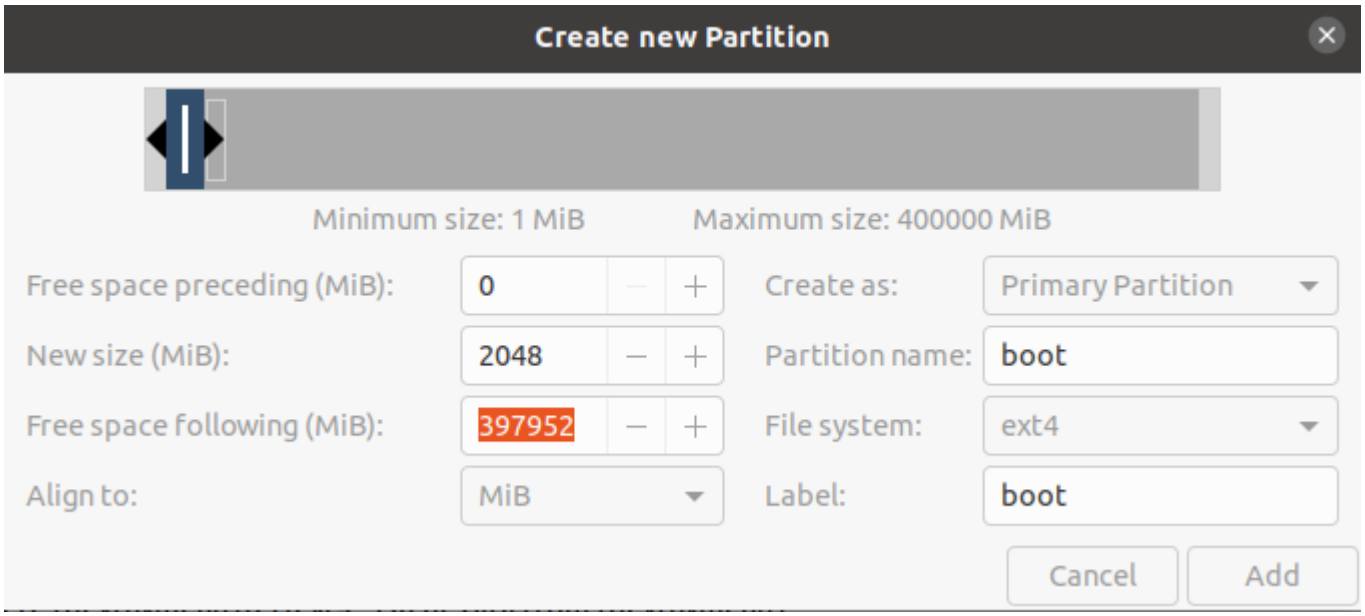
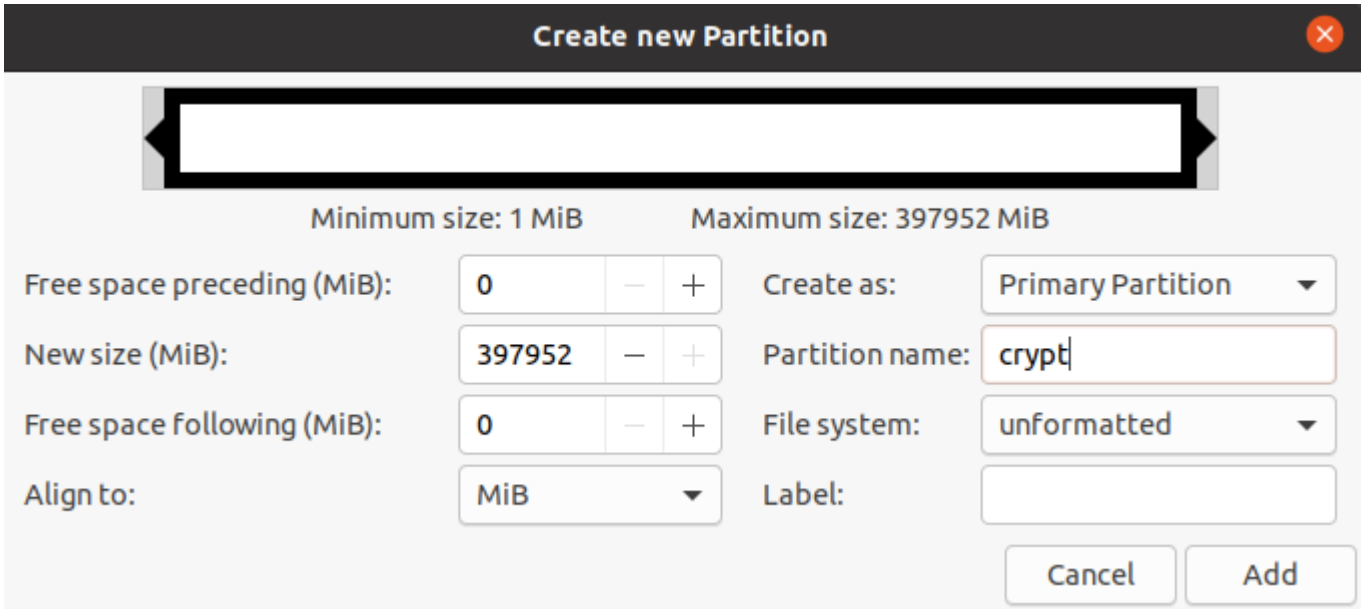
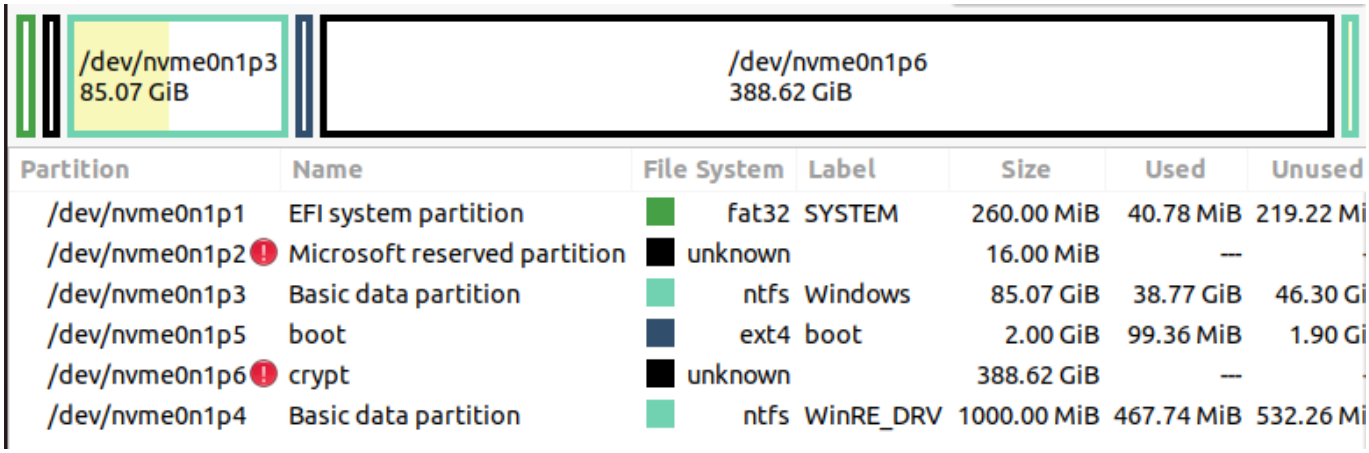
dualboot ubuntu and windows with encrypted ubuntu partition

https://www.mikekasberg.com/blog/2020/04/08/dual-boot-ubuntu-and-windows-with-encryption.html









cryptsetup luksFormat –type=luks1 /dev/nvme0n1p6

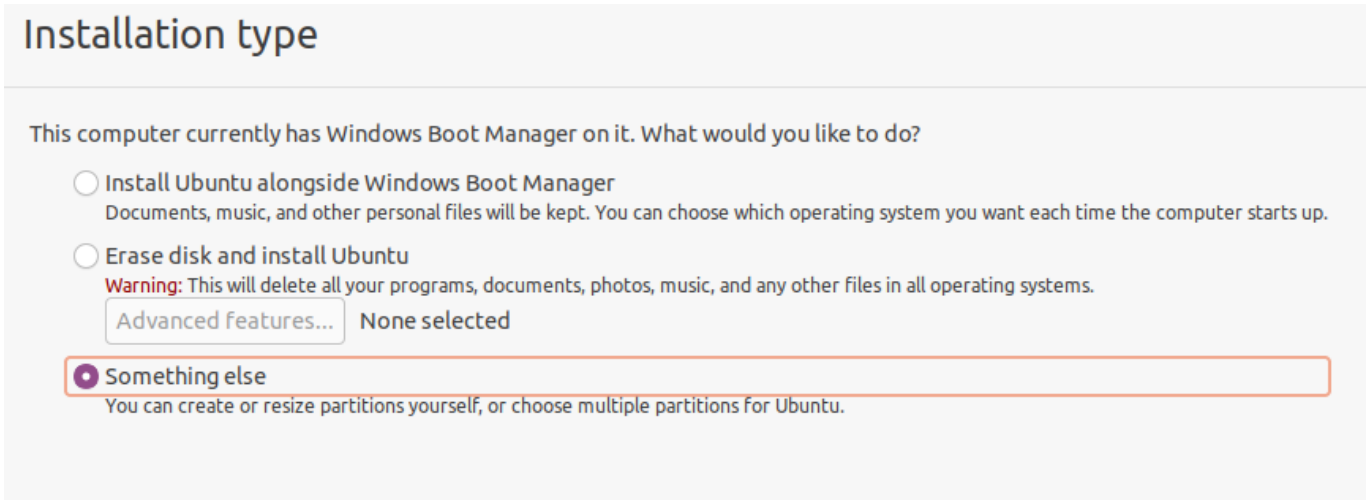
cryptsetup open /dev/nvme0n1p6 crypt

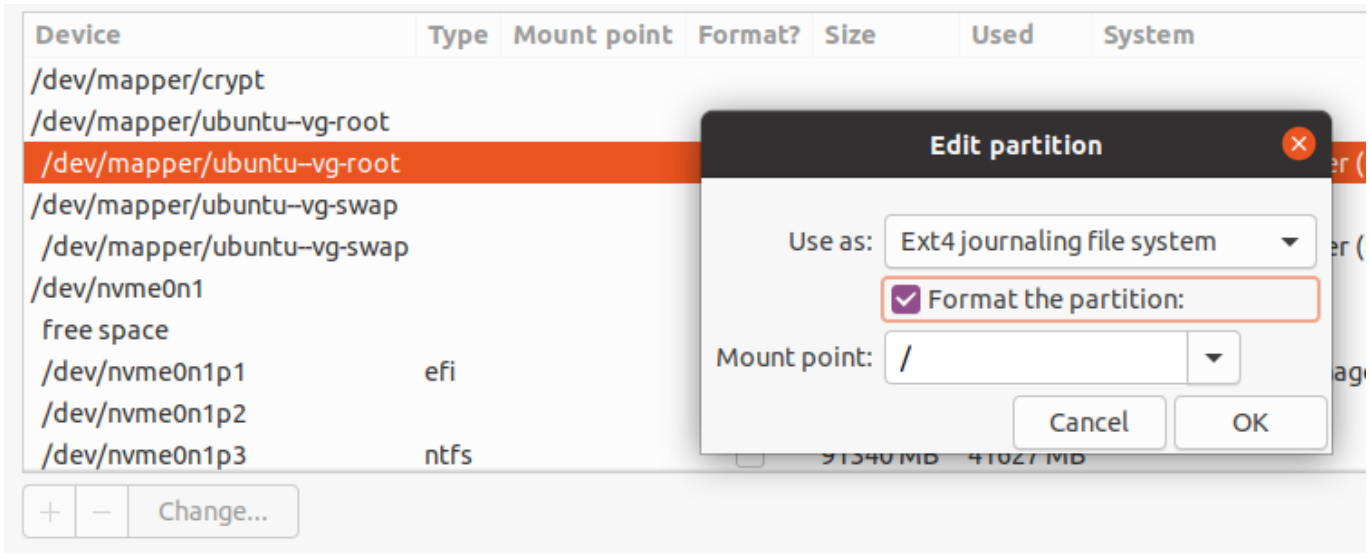
pvcreate /dev/mapper/crypt

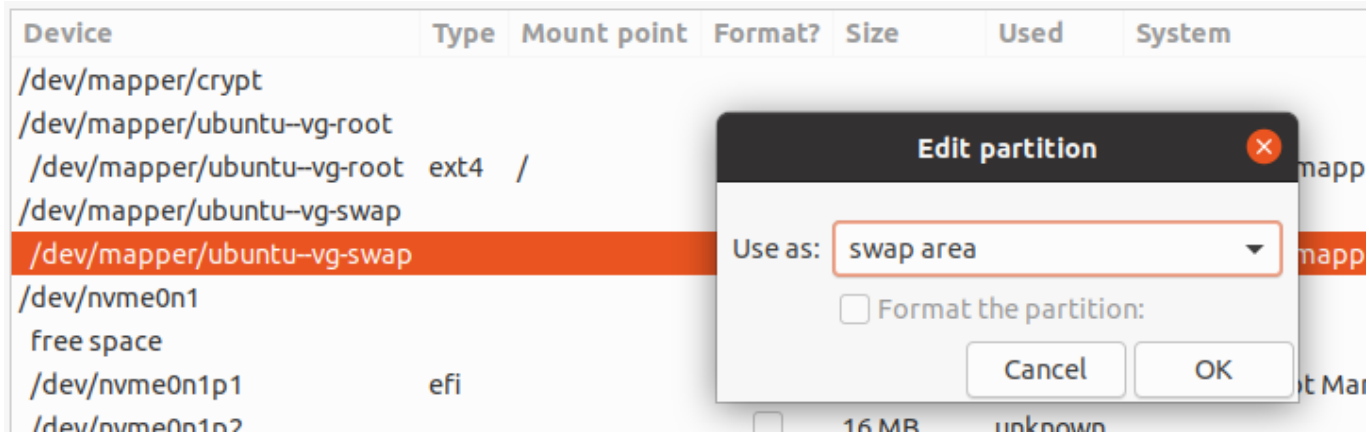
vgcreate ubuntu-vg /dev/mapper/crypt

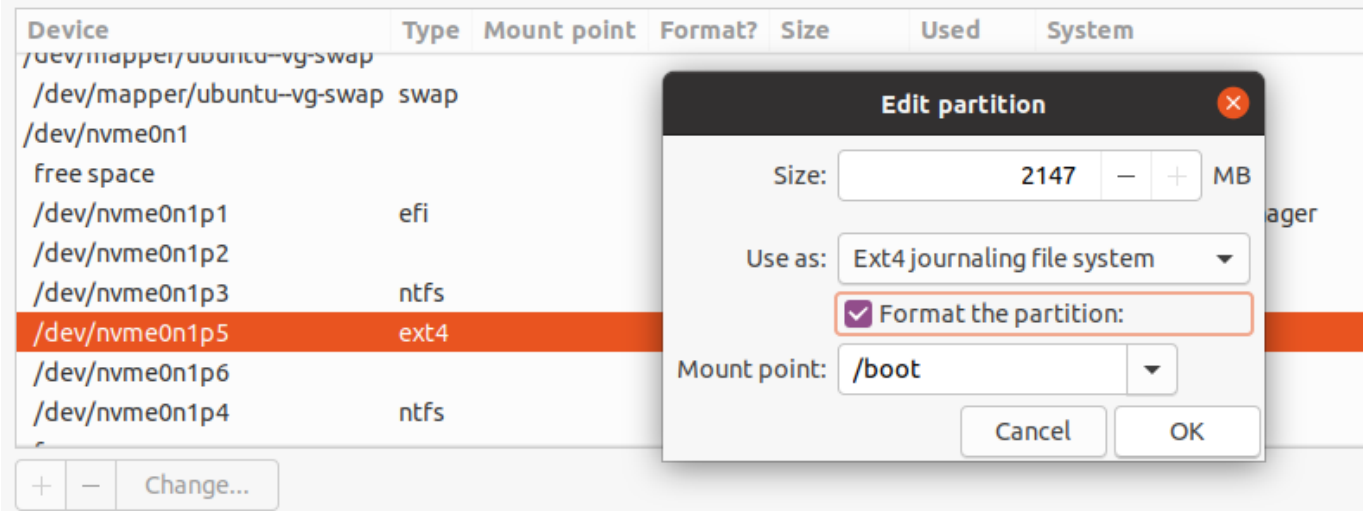
lvcreate -L 8G -n swap ubuntu-vg

lvcreate -l 100%FREE -n root ubuntu-vg


Installation type
This computer currently has Windows Boot Manager on it. What would you like to do?
Install Ubuntu alongside Windows Boot Manager
Documents, music, and other personal files will be kept. You can choose which operating system you want each time the computer starts up.
Erase disk and install Ubuntu
Warning: This will delete all your programs, documents, photos, music, and any other files in all operating systems.
Advanced features...
None selected
Something else
You can create or resize partitions yourself, or choose multiple partitions for Ubuntu.


Device
Type
Mount point
Format?
Size
Used
System
/dev/mapper/crypt
/dev/mapper/ubuntu--vg-root
/dev/mapper/ubuntu--vg-root
/dev/mapper/ubuntu--vg-swap
/dev/mapper/ubuntu--vg-swap
/dev/nvme0n1
free space
/dev/nvme0n1p1 efi
/dev/nvme0n1p2
/dev/nvme0n1p3 ntfs
Change...
Edit partition
Use as: Ext4 journaling file system
Format the partition:
Mount point: /
Cancel
OK


Device
Type
Mount point
Format?
Size
Used
System
/dev/mapper/crypt
/dev/mapper/ubuntu--vg-root
/dev/mapper/ubuntu--vg-root ext4 /
/dev/mapper/ubuntu--vg-swap
/dev/mapper/ubuntu--vg-swap
/dev/nvme0n1
free space
/dev/nvme0n1p1 efi
Edit partition
Use as: swap area
Format the partition:
Cancel
OK



next, click on “Install Now” to proceed with the installation.. from now on just do whatever you do to install ubuntu, but when you are done, don't reboot yet, click on “Continue Testing”

open a terminal

mount /dev/ubuntu-vg/root /mnt

mount PARTLABEL=boot /mnt/boot/

for i in dev proc sys etc/resolv.conf; do mount -o bind /$i /mnt/$i; done

chroot /mnt

blkid /dev/nvme0n1p6

nano /etc/crypttab

<target name> <source device> <key file> <options>

options used:

luks - specifies that this is a LUKS encrypted device

tries=0 - allows to re-enter password unlimited number of times

discard - allows SSD TRIM command, WARNING: potential security risk (more: “man crypttab”)

loud - display all warnings

crypt UUID=“879761ba-42bc-455a-9126-fd21fa386f07” none luks,discard

update-initramfs -k all -c

exit

reboot

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http://wiki.psuter.ch/ - **pswiki**

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Last update: **01.04.2021 17:36**