



ARCH LINUX EFI & LEGACY ENCRYPT LUKS LVM2

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Create the partitions you need

Partition X = 10 MiB MBR partition # Hex code EF02
Partition Y = 250 MiB EFI partition # Hex code EF00
Partition Z = Choose a reasonable size for your encrypted root, or just size it to the last sector of your drive. # Hex code 8300.

Review your partitions with 'p'.
Write your gdisk changes with 'w'.

Create filesystems for /boot/efi and /boot

```
> mkfs.fat -F 32 /dev/sdX2
```

Encrypt and open your system partition

```
> cryptsetup -c aes-xts-plain64 -h sha512 -s 512 --use-random luksFormat  
/dev/sdX3  
> cryptsetup luksOpen /dev/sdX3 ArchLUKS
```

Wrote By Matthias CONEJOS

Create encrypted LVM partitions

```
> pvcreate /dev/mapper/ArchLUKS
> vgcreate Arch /dev/mapper/ArchLUKS
> lvcreate -L +<SIZEOFYOUR/ >G Arch -n home #8G min
> lvcreate -l +100%FREE Arch -n root
```

Create filesystems on your encrypted partitions

```
> mkfs.ext4 /dev/mapper/Arch-home
> mkfs.ext4 /dev/mapper/Arch-root
```

Mount the new system

```
> mount /dev/mapper/Arch-root /mnt
> mkdir /mnt/{boot,home}
> mount /dev/mapper/Arch-home /mnt/home
> mount /dev/sdX2 /mnt/boot
```

Install your Arch system

```
> pacstrap /mnt base base-devel wget git
```

Create and review FSTAB

```
> genfstab -U /mnt >> /mnt/etc/fstab
```

Enter the new system

```
> arch-chroot /mnt /bin/bash
> wget https://gitlab.com/Matthias.C/arch/raw/master/post_install.sh
```

Post installation

```
> sh post_install.sh
```

```
> su $USER
> sh aur
> exit
```

```
> exit
```

```
> reboot
```

```
# And now follow the script.
# Don't Worry
```

Now all should be installed.

And don't Forget, Keeping It Simple, Stupid !