

FullHD Grub and Vconsole

```
insmod all_video
insmod gfxterm
insmod gfxmenu

set gfxmode=1920x1080,auto
terminal_output= gfxterm
set gfxpayload=keep
```

```
가          16G
fdisk      linux swap
mkswap
swap       50G
fdisk      linux data
mkfs.ext4
```

```
[baecy@M5Pro ~ ] $ findmnt -D
```

SOURCE	FSTYPE	SIZE	USED	AVAIL	USE%	TARGET
devtmpfs	devtmpfs	10M	0	10M	0%	/dev
tmpfs	tmpfs	13.6G	4K	13.6G	0%	/dev/shm
tmpfs	tmpfs	13.6G	1.6M	13.6G	0%	/run
/dev/nvme0n1p4	ext4	491.1G	10.8G	455.2G	2%	/
/dev/nvme0n1p1	vfat	511M	8.3M	502.7M	2%	/efi
/dev/nvme0n1p127	ext4	48.9G	14.6G	31.8G	30%	/mnt/shared-opt
n40l:/mnt/1st-bay/Gentoo-Bin	nfs4	1.8T	68.8G	1.6T	4%	
/mnt/n40l/pkgdir						
n40l:/mnt/1st-bay/Gentoo	nfs4	1.8T	68.8G	1.6T	4%	
/mnt/n40l/srcpkg						
tmpfs	tmpfs	2.7G	4M	2.7G	0%	
/run/user/1000						

```
/etc/fstab
```

```
# Main
/dev/nvme0n1p4          /                ext4
defaults,noatime        1                2
/dev/nvme0n1p128        none              swap            sw
0                        0
/dev/nvme0n1p1          /efi              vfat
umask=0077,tz=UTC       0                0

# Shared Opt
/dev/nvme0n1p127        /mnt/shared-opt   ext4            defaults
0                        0
```

```
# N40L NFS Mount
n40l:/mnt/1st-bay/Gentoo-Bin      /mnt/n40l/pkgdir      nfs
_netdev,defaults                0                      0
n40l:/mnt/1st-bay/Gentoo        /mnt/n40l/srcpkg      nfs
_netdev,defaults                0                      0
```

KDE Plasma

[Gentoo Wiki - KDE](#)

VERSION Gentoo_HOME

```
#!/bin/bash
# Begin auto-lfs
#
# For Gentoo 12.1-systemd
# you can use it after proceeding with <7.2 Changing Owner>
# Mount and unmount kernel virtual file system and entering to chroot
environment

VERSION=0.1.7
Gentoo=/mnt/gentoo
Gentoo_PART=/dev/nvme0n1p10
Gentoo_BOOT=/dev/nvme0n1p6
Gentoo_EFI=/dev/nvme0n1p2
Gentoo_HOME=/dev/nvme0n1p7
# Dedicated partition mount argument is s , -s , start
if [ "$1" == "s" ] || [ "$1" == "-s" ] || [ "$1" == "start" ]; then
    if ! mountpoint -q $Gentoo;          then mount $Gentoo_PART
$Gentoo; fi
    if ! mountpoint -q $Gentoo/boot;      then mount $Gentoo_BOOT
$Gentoo/boot; fi
    if ! mountpoint -q $Gentoo/boot/efi; then mount $Gentoo_EFI
$Gentoo/boot/efi; fi
    if ! mountpoint -q $Gentoo/home;      then mount $Gentoo_HOME
$Gentoo/home; fi
    if ! mountpoint -q /mnt/n40l/Gentoo; then mount n40l:/mnt/1st-
bay/Gentoo /mnt/n40l/Gentoo; fi

    # Mount point directory check
    if [ ! -d $Gentoo/dev ]; then
        echo "Make necessary directories"
        mkdir -pv $Gentoo/{dev,proc,sys,run}
    else
        echo "All required directories have been verified."
    fi
```

```

fi
# To prepare for run 'chroot', run 'umount' block if a directory exists, or
run 'mount' block
case $1 in
    clean|c|-c)
        if mountpoint -q $Gentoo; then
            # Unmount Kernel Virtual File System used in previous Gentoo
            sessions.
            echo "Gentoo is now set to '$Gentoo'"
            echo "Now proceed with the unmount of <Kernel Virtual File
System> for chroot"
            umount -q -l $Gentoo/dev/{shm,pts}
            umount -q -R $Gentoo
            sleep 10
            for kvfs in dev/shm dev/pts sys proc run dev ; do
                if mountpoint $Gentoo/$kvfs; then umount -q
$Gentoo/$kvfs; fi
            done
            findmnt -o FSTYPE,SIZE,USED,AVAIL,USE%,TARGET | grep lfs
            echo "Ok unmount unnecessary devices"
            echo "Good bye"
            exit 0
        else
            echo "Cleanup of Kernel Virtual File System is Complete."
            findmnt -o FSTYPE,SIZE,USED,AVAIL,USE%,TARGET | grep gentoo
            exit 0
        fi
    ;;
    start|s|-s)
        # Mount the Kernel Virtual File System to Enter Gentoo chroot
        environment.
        echo "Now proceed with the mount of <Kernel Virtual File System> for
chroot"
        echo "Gentoo is now set to '$Gentoo'"
        if ! mountpoint -q $Gentoo/proc; then mount --type proc /proc
$Gentoo/proc; fi
        if ! mountpoint -q $Gentoo/dev; then mount --rbind /dev $Gentoo/dev;
mount --make-rslave $Gentoo/dev; fi
        if ! mountpoint -q $Gentoo/sys; then mount --rbind /sys $Gentoo/sys;
mount --make-rslave $Gentoo/sys; fi
        if ! mountpoint -q $Gentoo/run; then mount --rbind /run $Gentoo/run;
mount --make-rslave $Gentoo/run; fi
        if ! mountpoint -q $Gentoo/mnt/Gentoo; then mount --rbind
/mnt/n40l/Gentoo $Gentoo/Gentoo; fi
        findmnt -o FSTYPE,SIZE,USED,AVAIL,USE%,TARGET | grep gentoo
        # Run 'chroot'
        chroot "$Gentoo" $(type -p env) -i \
            HOME=/root \
            TERM="$TERM" \
            PS1='<Gentoo> \u@\h [ \w ] \$ ' \
            PATH=/usr/bin:/usr/sbin \

```

```
        MAKEFLAGS="-j$(nproc)"      \
        TESTSUITEFLAGS="-j$(nproc)" \
        NINJAJOBS="$(nproc)"        \
        /bin/bash --login
    exit 0
;;
version|v|-v)
    echo "Gentoo chroot script $VERSION"
    exit 0
;;
help|h|-h)
    echo "Gentoo chroot script $VERSION"
    echo "Usage:"
    echo "clean    or c- Unmount Kernel Virtual File System"
    echo "start     or s- Mount and run 'chroot' command with necessary
variables"
    echo "version or v- Print script version"
    echo "help     or h - This screen"
    exit 0
;;
*)
    #Guidance on the factors needed to execute script
    echo "sh ./Auto_Gentoo.sh [ start | clean | help | version ]"
    exit 0
;;
esac
```

From:
<http://175.213.232.13/dokuwiki/> -

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