

GRUB ISO

<https://forums.gentoo.org/viewtopic-t-1167284-start-0.html>

/etc/grub.d/41_custom

```
#!/bin/sh
cat <<EOF
if [ -f \${config_directory}/custom.cfg ]; then
    source \${config_directory}/custom.cfg
elif [ -z "\${config_directory}" -a -f \${prefix}/custom.cfg ]; then
    source \${prefix}/custom.cfg
fi
EOF

ADD_CMND_LINE="iso-scan/filename"
ISO_DIR="/boot/grub/iso-images"
ISO_REAL_DIR="/boot/grub/iso-images"
# If the ISO files are on the root filesystem (`/`), then ISO_REAL_DIR
equals ISO_DIR.
# Otherwise, ISO_REAL_DIR must reflect the path relative to the root of the
partition returned by `grub-probe`.

ISO_MNT_DIR="/media"
FS_UUID=$(grub-probe --target=fs_uuid $ISO_DIR)

n=1;
nn=1
IFS_OLD=$IFS
IFS=$'\n'
for iso in $ISO_DIR/*.iso; do
    [ "$iso" = "$ISO_DIR/*.iso" ] && break
    mount -o loop,ro $iso $ISO_MNT_DIR
    for cmdnd in $(grep -E '^menuentry|/boot/'
$ISO_MNT_DIR/boot/grub/grub.cfg); do
        if echo $cmdnd | grep -q "^menuentry"; then
MENUENTRY[n]="$cmdnd"; fi
            if echo $cmdnd | grep -q "linux /"; then
                ISO_IMAGE[n]=$(basename ${iso})
                LINUX[n]="$cmdnd
${ADD_CMND_LINE}=${ISO_REAL_DIR}/${ISO_IMAGE[n]}"
            fi
            if echo $cmdnd | grep -q "initrd"; then INITRD[n]="$cmdnd";
n=$((n+1)); fi
        done
    umount $ISO_MNT_DIR
done
SUB=""
MENU="${ISO_IMAGE[nn]}"
```

```
while [ "$nn" != "$n" ]
do
    [ "$iso" = "$ISO_DIR/*.iso" ] && break
    if [ "$MENU" != "${ISO_IMAGE[nn]}" ]; then
        SUB=""
        echo "}"
    fi
    if [ -z "$SUB" ]; then
        echo "submenu '${ISO_IMAGE[nn]}' {"
        SUB="1"
        MENU="${ISO_IMAGE[nn]}"
    fi
    echo -e "\t${MENUENTRY[nn]}"
    echo -e "\t\tsearch --fs-uuid --set=root $FS_UUID"
    echo -e "\t\tloopback loop ${ISO_REAL_DIR}/${ISO_IMAGE[nn]}"
    echo -e "\t\tset root=(loop)"
    echo -e "\t\t${LINUX[nn]}"
    echo -e "\t\t${INITRD[nn]}"
    echo -e "\t}"
    nn=$((nn+1))
done
[ "$iso" != "$ISO_DIR/*.iso" ] && echo "}"
IFS=$IFS_OLD
```

grub-mkconfig -o /boot/grub/grub.cfg

From:
<https://www.gamu.kr/dokuwiki/> -

Permanent link:
https://www.gamu.kr/dokuwiki/gentoo/trouble/03-direct_iso_boot_use_grub?rev=1768000931

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