

README fstabxref fstablsblk

The accompanying program “fstabxref” or fstablsblk reads a **/etc/fstab** or a similar file fitting the example in TABLE ONE below. It reads and performs a crossreference lookup of the UUID and LABEL lines by either analysing “ls -l /dev/disk/by-uuid” directory.

The fstablsblk program interprets the output of “lsblk -i -f | cut -d' ' -f1-”.

This program is free to use, to destroy as you wish or to improve upon. If you can improve it, please be kind enough to email me with your changes.

Refer to TABLE TWO below for an example of an output of the program.

The program takes take zero, one or two arguments.

By design, the fstabxref program will not write to /etc/fstab

Do not use redirection to force an overwrite /etc/fstab

OPTION ONE No arguments

fstabxref will read /etc/fstab and display the cross referenced lookup.

Output is to standard output (terminal), Use it this way as

```
fstabxref > /tmp/fstab or fstabxref | vi -
```

OPTION TWO

Redirect input to some other fstab copy

```
fstabxref -i some_fstab_copy > /tmp/fstab
or      fstabxref -i some_fstab_copy | vi -
or      fstabxref -i some_fstab_copy | less
```

OPTION THREE

You can redirect output

```
fstabxref -o xrefed_fstab_copy
```

OPTION FOUR

You can do select both input and output files:

```
fstabxref -i some_fstab_file -o xrefed_fstab
or      fstablsblk -i some_fstab_file -o xrefed_fstab
```

OPTION FIVE

fstabxref -h or fstablsblk -h for help info.

TABLE ONE (typical fstab before execution of fstabxref/fstabsblk)

```
#
# /etc/fstab
# Created by anaconda on Thu Mar  3 03:43:36 2016
#
# Accessible filesystems, by reference, are maintained under '/dev/disk'
# See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info
#
#<file system>                                <mount>                                <type>    <options>                                <dump> <pass>
        UUID=5FBD7164754805FF /windata ntfs defaults,noatime 1      1
        LABEL=DoNotDeleteMe /windata ntfs defaults,noatime 1 1
        UUID=e825a1b2-fc60-46ee-be03-8a7f4444c5b4 / ext4 defaults,noatime 1 1
        UUID=cb1cbb1a-a311-4860-b6dd-060dc88aa330 /boot ext4 defaults,noatime 1 2
        UUID=e387b85b-766f-4572-8ab1-e9699c38ac88 /home xfs defaults,noatime 0 0
        UUID=d8b32a2f-7022-4b1a-a3b7-603721b51882 swap swap defaults,noatime 0 0
        UUID=6e488205-8791-41c2-8043-5051f8d0b185 /scratch ext4 defaults,noatime 1 2
        UUID=e09c1a4b-142f-48e8-a538-60b27f169be2 /scratch1 ext4 defaults,noatime 1 2
        UUID=6c830a28-b62e-429c-bc36-988e3cb2c768 /sdd1spare xfs defaults,noatime 1 2

        LABEL=sde1Spare /Development xfs defaults,noatime 1 2
        #UUID=9f9d9bb3-2c94-4264-8604-1f887ee62696 /scratch2 ext4 defaults,noatime 1 2 #/dev/sdb3
        #UUID=923a26b2-81e5-40d2-93a7-882e3aadbe2f /scratch1 xfs defaults,noatime 1 2 #/dev/sde1
```

Table 1:

Comment lines passed without change
UUID= and LABEL= are processed.

TABLE TWO (fstab after fstabxref or fstabsblk)

Lines beginning with # are not processed, but passed on unchanged.

```
#
# /etc/fstab
# Created by anaconda on Thu Mar  3 03:43:36 2016
#
# Accessible filesystems, by reference, are maintained under '/dev/disk'
# See man pages fstab(5), findfs(8), mount(8) and/or blkid(8) for more info
#
#<file system>                                <mount>                                <type>    <options>                                <dump> <pass>
        UUID=5FBD7164754805FF /windata ntfs defaults,noatime 1 1 #/dev/*not found
        LABEL=DoNotDeleteMe /windata ntfs defaults,noatime 1 1 #/dev/sda4
        UUID=e825a1b2-fc60-46ee-be03-8a7f4444c5b4 / ext4 defaults,noatime 1 1 #/dev/sde4
        UUID=cb1cbb1a-a311-4860-b6dd-060dc88aa330 /boot ext4 defaults,noatime 1 2 #/dev/sde3
        UUID=e387b85b-766f-4572-8ab1-e9699c38ac88 /home xfs defaults,noatime 0 0 #/dev/sde5
        UUID=d8b32a2f-7022-4b1a-a3b7-603721b51882 swap swap defaults,noatime 0 0 #/dev/sde6
        UUID=6e488205-8791-41c2-8043-5051f8d0b185 /scratch ext4 defaults,noatime 1 2 #/dev/sdb2
        UUID=e09c1a4b-142f-48e8-a538-60b27f169be2 /scratch1 ext4 defaults,noatime 1 2 #/dev/sdd2
        UUID=6c830a28-b62e-429c-bc36-988e3cb2c768 /sdd1spare xfs defaults,noatime 1 2 #/dev/sdd1

        LABEL=sde1Spare /Development xfs defaults,noatime 1 2 #/dev/sde1
        #UUID=9f9d9bb3-2c94-4264-8604-1f887ee62696 /scratch2 ext4 defaults,noatime 1 2 #/dev/sdb3
        #UUID=923a26b2-81e5-40d2-93a7-882e3aadbe2f /scratch1 xfs defaults,noatime 1 2 #/dev/sde1
```

Table 2:

You can't cross reference a fstab belonging to another computer system.

Comment lines passed without change
UUID= and LABEL= are processed.

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