

Grub2

- / plymouth
- .
- GENERIC
-



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- Astra Linux Special Edition .10015-01 .10015-10 (1.7)
- Astra Linux Special Edition .10015-37 (7.7)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Common Edition 2.12



, (/etc/default/grub /etc/grub.d/) :

```
sudo update-grub
```

/boot/grub/grub.cfg, .
(-).

/ plymouth

/ plymouth / splash GRUB_CMDLINE_LINUX () GRUB_CMDLINE_LINUX_DEFAULT, GRUB_CMDLINE_LINUX_HARDENED .

:

- plymouth :

```
GRUB_CMDLINE_LINUX_DEFAULT="quiet splash parsec.max_ilev=63"
```



GRUB2 , . . .

:

1. :

```
grub-mkpasswd-pbkdf2
```

(grub) (, , "");

2. /etc/grub.d/07_password (, ,), nano :

```
sudo nano /etc/grub.d/07_password
```

3. :



```
#!/bin/bash
cat << EOF
set superusers="username"
password_pbkdf2 username grub.pbkdf2.sha512.10000.9C319610666.....
EOF
```

0 0. .

4. ;

5. , :

```
sudo chmod 700 /etc/grub.d/07_password
```

6. , , :

```
sudo update-grub
```

 grub, Windows. /boot/grub/grub.cfg (, "menuentry") () --unrestricted, :

```
... --class gnu-linux --class gnu --class os --unrestricted ...
```

 , /etc/grub/grub.cfg update-grub.

, /etc/grub.d/40_custom, ., "Windows 10 " Windows 10 (--unrestricted) :

```
menuentry "Windows 10 " --class windows --class os --unrestricted {  
    insmod ntfs  
    search --no-floppy --set=root --fs-uuid <UUID__Windows>  
    ntldr /bootmgr  
}
```

UUID Windows :

```
sudo blkid
```

menuentry /boot/grub/grub.cfg.

1. /etc/default/grub:

```
sudo nano /etc/default/grub
```

2. :

 GRUB_DISABLE_RECOVERY="true"

3. (-5),, (, Shift, /):

 GRUB_TIMEOUT=0

4. Shift / GRUB_TIMEOUT=0 GRUB_HIDDEN_TIMEOUT=5:



```
GRUB_TIMEOUT=0
GRUB_HIDDEN_TIMEOUT=5
```

5. , ;

6. , , :

```
sudo update-grub
```

, , /boot/grub/grub.cfg (, update-grub.

GENERIC

, , HARDENED:

1. /boot/grub/grub/grub.cfg:

```
sudo nano /boot/grub/grub.cfg
```

2. , menuentry, :



```
#menuentry 'AstraLinuxCE GNU/Linux, Linux 4.15.3-1-generic' --class astralinuxce --class gnu-linux --class gnu --class os --
unrestricted $menuentry_id_option 'gnulinux-4.15.3-1-generic-advanced-f923f219-185e-4747-9066-6b09fd0103ae' {
# load_video
# insmod gzio
# if [ x$grub_platform = xxen ]; then insmod xzio; insmod lzopio; fi
# insmod part_msdos
# insmod ext2
# set root='hd0,msdos1'
# if [ x$feature_platform_search_hint = xy ]; then
# search --no-floppy --fs-uuid --set=root --hint-bios=hd0,msdos1 --hint-efi=hd0,msdos1 --hint-baremetal=ahci0,
msdos1 f923f219-185e-4747-9066-6b09fd0103ae
# else
# search --no-floppy --fs-uuid --set=root f923f219-185e-4747-9066-6b09fd0103ae
# fi
# echo ' Linux 4.15.3-1-generic ...'
# linux /boot/vmlinuz-4.15.3-1-generic root=UUID=f923f219-185e-4747-9066-6b09fd0103ae ro quiet net.ifnames=0
# echo ' ...'
# initrd /boot/initrd.img-4.15.3-1-generic
#}
```



, /etc/grub/grub.cfg update-grub.

, GRUB_DEFAULT /etc/default/grub. :

- — . ;
- . :

```
GRUB_DEFAULT=gnulinux-5.15.0-70-hardened-advanced-4d59e93e-ab3e-4f05-be84-1774cd76ab8d
```

- saved - (GRUB_SAVEDDEFAULT="true"):

```
GRUB_DEFAULT="saved"
```

:

```
sudo grep ^menuentry /boot/grub/grub.cfg
```

:

```
menuentry 'AstraLinux GNU/Linux, with Linux 5.15.0-70-lowlatency' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.15.0-70-lowlatency-advanced-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.15.0-70-lowlatency (recovery mode)' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.15.0-70-lowlatency-recovery-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.15.0-70-hardened' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.15.0-70-hardened-advanced-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.15.0-70-hardened (recovery mode)' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.15.0-70-hardened-recovery-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.15.0-70-generic' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.15.0-70-generic-advanced-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.15.0-70-generic (recovery mode)' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.15.0-70-generic-recovery-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.10.176-1-hardened' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.10.176-1-hardened-advanced-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.10.176-1-hardened (recovery mode)' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.10.176-1-hardened-recovery-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.10.176-1-generic' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.10.176-1-generic-advanced-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.10.176-1-generic (recovery mode)' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.10.176-1-generic-recovery-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.4.0-110-generic' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.4.0-110-generic-advanced-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
menuentry 'AstraLinux GNU/Linux, with Linux 5.4.0-110-generic (recovery mode)' --class astralinux --class gnu-linux --class gnu --class os --unrestricted $menuentry_id_option 'gnulinux-5.4.0-110-generic-recovery-4d59e93e-ab3e-4f05-be84-1774cd76ab8d' {
```

```
, , $menuentry_id_option.
```

:

```
sudo grep 'menuentry ' /boot/grub/grub.cfg | cut -f 2 -d '"' | nl -v 0
```

:

```
0 AstraLinux GNU/Linux, with Linux 5.15.0-70-lowlatency
1 AstraLinux GNU/Linux, with Linux 5.15.0-70-lowlatency (recovery mode)
2 AstraLinux GNU/Linux, with Linux 5.15.0-70-hardened
3 AstraLinux GNU/Linux, with Linux 5.15.0-70-hardened (recovery mode)
4 AstraLinux GNU/Linux, with Linux 5.15.0-70-generic
5 AstraLinux GNU/Linux, with Linux 5.15.0-70-generic (recovery mode)
6 AstraLinux GNU/Linux, with Linux 5.10.176-1-hardened
7 AstraLinux GNU/Linux, with Linux 5.10.176-1-hardened (recovery mode)
8 AstraLinux GNU/Linux, with Linux 5.10.176-1-generic
9 AstraLinux GNU/Linux, with Linux 5.10.176-1-generic (recovery mode)
10 AstraLinux GNU/Linux, with Linux 5.4.0-110-generic
11 AstraLinux GNU/Linux, with Linux 5.4.0-110-generic (recovery mode)
```

/etc/default/grub :

```
sudo update-grub
```