

# 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.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
```