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

() (), .

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_SAVEDEFAULT="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
```