astra-safepolicy

- -
  - astra-autologin-control
  - astra-bash-lock
  - astra-commands-lock
  - astra-console-lock
  - astra-digsig-control
  - astra-docker-isolation
  - astra-format-lock
  - astra-hardened-control
  - astra-ilev1-control
  - astra-interpreters-lock
  - astra-lkrg-control
  - astra-macros-lock
  - astra-mac-control
  - astra-mic-control
  - astra-modban-lock
  - astra-modeswitch
  - astra-mode-apps
  - astra-mount-lock
  - astra-noautonet-control
  - astra-nobootmenu-control
  - astra-nochmodx-lock
  - astra-overlay
  - astra-ptrace-lock
  - astra-secdel-control
  - astra-shutdown-lock
  - astra-strictmode-control
  - astra-sudo-control
  - astra-sumac-lock
  - astra-swapwiper-control
  - astra-sysrq-lock
  - astra-ufw-control
  - astra-ulimits-control
- astra-security-monitor

:

- Astra Linux Special Edition .10015-01 (1.7)
- Astra Linux Special Edition .10152-02 (4.7)
- Astra Linux Special Edition .10015-01 (1.6) 6 (, .)
- Astra Linux Common Edition 2.12.29 (, , .)

.

- (astra-modeswitch astra-strictmode-control), astra-safepolicy, :

  - **enable** - / .
    (, astra-mic-control enable astra-autologin-control);
  - **disable** - / (astra-strictmode-control disable);
  - **status** - , , (, ,).
    (0 - , 1 -);
  - **is-enabled** (/).
    (0 - , 1 -);

, - , , (.).

- (unit-,)".

-

astra-autologin-control

.

() , .

astra-bash-lock

bash. , , .. , , .

, bash , bash , .

astra-admin.

.

astra-commands-lock

:

- df;
- chattr;
- arp;
- ip.

750 (rwx r-x - - -). , .. .

.

astra-console-lock

, astra-console. astra-console , astra-admins .

.

astra-digsig-control

() . astra-digsig-control enable (DIGSIG_ELF_MODE=1 /etc/digsig/digsig_initramfs.conf), astra-digsig-control disable (DIGSIG_ELF_MODE=0 /etc/digsig/digsig_initramfs.conf).

.

astra-docker-isolation

Astra Linux x.7 .

docker 2. /etc/systemd e override-. docker. docker , docker .

astra-format-lock

Astra Linux x.7 .

. ( ).

astra-hardened-control

/ grub2 hardened , .

, grub2.

astra-ilev1-control

:

Astra Linux Special Edition .10015-01 1.6 20210611SE16 (7).

1, /etc/systemd override- . :

- apache2;
- dovecot;
- exim4.

, . . , :

```
sudo systemctl restart apache2 dovecot exim4
```

astra-interpreters-lock

. astra-bash-lock.

, . :

- perl;
- python;
- irb;
- dash;
- ksh;
- zsh;
- csh;
- tcl;
- tk;
- expect;
- lua;
- ptksh (2024-0212SE17MD (1.7.5.UU.1));
- qemu-user-static (2024-0212SE17MD (1.7.5.UU.1));

astra-interpreters-lock:

- bash, , bash, . bash astra-bash-lock.
- astra-admin.

, , . astra-nochmodx-lock, .. , , . astra-interpreters-lock astra-nochmodx-lock.

.

astra-lkrg-control

lkrg (lkrg-5.10.0-1045-generic, lkrg-5.4.0-81-generic, lkrg-5.10-generic, lkrg-5.4.0-54-generic, lkrg-5.4-generic .) generic, lkrg (initrd) lkrg astra-lkrg-control. astra-lkrg-control lkrg . lkrg - , . , , virtualbox.

hardened, astra-lkrg-control , hardened lkrg .

astra-macros-lock

libreoffice. libreoffice , , , . - .

.

astra-mac-control

Astra Linux x.7 .

. - . .

, , .
, .
, , .

. astra-modeswitch.

astra-mic-control

, parsec.max_ilev . . (/dev, /proc, /run, /sys). , (63), ().

.

. astra-modeswitch.

astra-modban-lock

. , .

.

astra-modeswitch

Astra Linux x.7 .

:

- ;
- ;
- .

:

- : , ;
- : ( ) , , , .

, " " , , :

```
sudo astra-modeswitch set 2
```

. :

```
sudo astra-mic-control enable
sudo astra-mac-control enable
sudo astra-digsig-control enable
sudo astra-secdel-control enable
sudo astra-swapwiper-control enable
```

.

, , .

, , :

0			

0			
0			

:

- list - ;
- get - ;
- getname - ;
- set <> - , <> ( ). :

	base	0
	advanced	1
	maximum	2

astra-mode-apps

Astra Linux x.7 .

:

- AstraMode apache2 (/etc/apache2/apache2.conf). AstraMode /etc/apache2/apache2.conf ( ) ;
- Enable cups (/etc/cups/cupsd.conf).

apache2 cups.

astra-mount-lock

fly-reflex-service/fly-admin-reflex .

.

astra-noautonet-control

, NetworkManager, network-manager connman, .

.

astra-nobootmenu-control

grub2. .

, grub2.

astra-nochmodx-lock

(chmod +x), . , , astra-admin, root.

astra-nochmodx-lock astra-interpreters-lock.

.

astra-overlay

overlay (). overlay , . , , , . , . , , , , .

overlay , , . , , /home , .

.

astra-ptrace-lock

ptrace, kernel.yama.ptrace_scope 3 (ptrace).

. 0. .

astra-secdel-control

, /etc/fstab. :

- ext2;
- ext3;
- ext4;
- xfs;

astra-secdel-control , , . , , .

(..).

astra-shutdown-lock

, . policykit (/etc/polkit-1/localauthority/10-vendor.d/ru.astralinux.noshutdown.pkla), . Ctrl-Alt-Del.

.

astra-strictmode-control

:

- Astra Linux Special Edition .10015-01 .10015-10 (1.7) 2022-0819SE17 (1.7.2)
- Astra Linux Special Edition .10015-37 (7.7)
- Astra Linux Special Edition .10152-02 (4.7) 2022-0926SE47 (4.7.2)

.

(disable) .

.

astra-sudo-control

sudo. Astra Linux Special Edition x.7 sudo ( ), sudo . sudo , . "" sudo , "" - .

.

astra-sumac-lock

sumac fly-sumac. , , PARSEC_CAP_SUMAC, sumac. 000 sumac libsumacrunner.so.

.

astra-swapwiper-control

. /etc/parsec/swap_wiper.conf.

.

astra-sysrq-lock

, SysRq, .. . kernel.sysrq. /etc/sysctl.d/999-astra.conf.



, .. SysRq .

.

astra-ufw-control

ufw. firewalld ( ), ufw , .. .

.

astra-ulimits-control

, . /etc/security/limits.conf.

, , .

astra-security-monitor

" ". .

:



.

- **list** - ;
- **status** - (,);
- **status N** - N, N -- id , list;
- **switches** - , .

:

- /
- /
-

"" , , . "" . , ptrace "", .. , .

"" , , , , , . , "" " " , , (.).

, .. , .

:

- - , , , /etc/parsec/fs-ilev.conf. , :
  - "" - ;
  - "" - ;
  - "" - ;



, /etc/parsec/fs-ilev.conf, :

```
sudo set-fs-ilev status -v
```

- (xattr) - , , xattr ;
- root ssh - root (,). root ssh, .. "";
- - , . /etc/parsec/parsec.conf login_local admin (, astra-admin) no ( ), ;
- -"", ;
- -"", .