

Astra Linux Special Edition 1.6:

- [mkiosk](#)
- [otrace](#)
- [fly-admin-kiosk](#)
- [Fly](#)



- Astra Linux Special Edition .10015-01 (1.6) 5.15
parsec-kiosk2



parsec-kiosk2 - PARSEC, (-2: [parsec-kiosk2](#) ()). 5.15. () 5.15, parsec-kiosk parsec-kiosk2. . parsec-kiosk2 - fly-admin-kiosk , . 1, 16.3. .:

- -2 ;
- -2: [parsec-kiosk2](#) ();
- Astra Linux: 5 .

[umask](#) , umask , .
/etc/parsec/kiosk_mask 0000 ().
• 0003 (), , , , ;
• 0000, .
/parsecfs/mode_mask.
parsec-cups ().

mkiosk

mkiosk . ACL parsec, . ACL .
/etc/hosts :



/etc/hosts r--

(r), (w) (x) /usr/bin/example.sh :



/usr/bin/example.sh rwx

bash, ls .. /etc/parsec/kiosk-profiles. , mkiosk . ` , .. , . default, mkiosk. , , ,
(").
otrace.
/etc/parsec/kiosk , , , , .
PAM-. mkiosk :

-h, --help	
-u, --user=	

-w, --without-profile	.
-e, --mask	. , . /parsecfs/mode_mask

```
:
, /etc/parsec/kiosk/<_>
```

```
sudo mkiosk -u <_>
```

```
/etc/passwd , . , 0003 , , :
```

```
mkiosk -u <_> --mask=3 --without-profile "/etc/passwd r--"
```

otrace

otrace open() execve().
otrace:

 otrace [-h, --help] [-s, --silent] [-o, --output=] [-k, --kiosk-dir=] [-p, --pid=] [-u, --user=] [-t, --trace] [-a, --audit-trace] [-m, --merge] [-f, --trace-failed] [-e, --mask=] [command]

otrace .

```
( ) , , , . , , . ACL - parsec. . ACL - .
```

```
, . /etc/parsec/kiosk-profiles`
, ls:
```

```
/bin/ls r-x
/etc/group r--
/etc/ld.so.cache r--
/etc/ld.so.preload r--
/etc/localtime r--
/etc/nsswitch.conf r--
/etc/passwd r--
/etc/selinux/config r--
/lib/libacl.so.1 r--
/lib/libattr.so.1 r--
/lib/libc.so.6 r--
/lib/libdl.so.2 r--
/lib/libnsl.so.1 r--
/lib/libnss_compat.so.2 r--
/lib/libnss_files.so.2 r--
/lib/libnss_nis.so.2 r--
/lib/libpthread.so.0 r--
/lib/librt.so.1 r--
/lib/libselinux.so.1 r--
/proc/mounts r--
/usr/lib/gconv/gconv-modules.cache r--
/usr/lib/gconv/KOI8-R.so r--
/usr/lib/locale/locale-archive r--
/usr/share/locale/locale.alias r--
/usr/share/locale/ru/LC_MESSAGES/coreutils.mo r--
/usr/share/locale/ru/LC_TIME/coreutils.mo r--
/usr/share/locale/ru_RU/LC_MESSAGES/coreutils.mo r--
/usr/share/locale/ru_RU/LC_TIME/coreutils.mo r--
/usr/share/locale/ru_RU.utf8/LC_MESSAGES/coreutils.mo r--
/usr/share/locale/ru_RU.utf8/LC_TIME/coreutils.mo r--
/usr/share/locale/ru_RU.UTF-8/LC_MESSAGES/coreutils.mo r--
/usr/share/locale/ru_RU.UTF-8/LC_TIME/coreutils.mo r--
/usr/share/locale/ru.utf8/LC_MESSAGES/coreutils.mo r--
/usr/share/locale/ru.UTF-8/LC_MESSAGES/coreutils.mo r--
/usr/share/locale/ru.utf8/LC_TIME/coreutils.mo r--
/usr/share/locale/ru.UTF-8/LC_TIME/coreutils.mo r--
```


fly-admin-kiosk

fly-admin-kiosk, .



- , /etc/parsec/kiosk-profiles;
- fly-dm /etc/parsec/kiosk.

, , parsec-kiosk.

fly-dm /etc/parsec/kiosk /etc/parsec/kiosk-profiles, :

```
sudo mv /etc/parsec/kiosk/fly-dm /etc/parsec/kiosk-profiles/fly-dm
```

fly-dm /etc/parsec/kiosk, :

```
echo fly-dm | sudo tee /etc/parsec/kiosk/fly-dm
```

/etc/parsec/kiosk-profiles, :



"/lib64/ld-linux-x86-64.so.2" r-x
"/lib/x86_64-linux-gnu/ld-linux-x86-64.so.2" r-x

fly-admin-kiosk.

<_> /etc/parsec/kiosk <_> , ,:

- default
- bash

:

```
echo -e "default\nbash" | sudo tee /etc/parsec/kiosk/<_>
```

:

- (, tty1);
- (, tty2) , :

```
sudo otrace -a -o /etc/parsec/kiosk-profiles/<__> -f --mask=3 -u <_>
```

- parlogd;
- , ;
- ;
- root , <Enter>;
- , :

```
echo __ | sudo tee -a /etc/parsec/kiosk/<_>
```

- , :

```
echo 0003 | sudo tee /etc/parsec/kiosk_mask
sudo reboot
```

:

- fly-dm /etc/parsec/kiosk/fly-dm;
- fly _ , root :

```
echo fly | sudo tee -a /etc/parsec/kiosk/_
```

fly :

1. ;
2. fly-dm|, :

```
sudo systemctl stop fly-dm
```

3. /usr/bin/x-session-manager, :

```
ls -l /usr/bin/x-session-manager
```

4. .orig, :

```
sudo rm /usr/bin/x-session-manager
sudo ln -s /etc/alternatives/x-session-manager /usr/bin/x-session-
manager.orig
```

5. /usr/bin/x-session-manager :

```
i #!/bin/bash
/usr/sbin/otrace -t -f -o /test/fly --mask=3 /usr/bin/x-session-manager.orig $@ &
sleep 20
/usr/bin/fly-wmfunc FLYWM_EXIT
```

6. , :

```
sudo chmod 777 /usr/bin/x-session-manager
```

7. strace, :

```
sudo apt install strace
```

8. /test 777, :

```
mkdir -m 777 /test
```

9. fly-dm, :

```
sudo systemctl start fly-dm
```

10. 20 (- Fly, fly-term);
11. root fly /test, :

```
ls -l /test/fly
```

12. /usr/bin/x-session-manager, :

```
sudo rm /usr/bin/x-session-manager
```

13. /usr/bin/x-session-manager, :

```
sudo ln -s /etc/alternatives/x-session-manager /usr/bin/x-session-manager
```

14. /test/fly , ... resumed ..., /proc , , "/";

15. , :

```
sudo cp /test/fly /etc/parsec/kiosk-profiles/fly
```

16. fly , :

```
echo fly | sudo tee -a /etc/parsec/kiosk/<_>
```

17. , :

```
echo 0003 | sudo tee /etc/parsec/kiosk_mask  
sudo reboot
```

18. ;

19. , :

- a. ;
- b. /home/<_>/.xsession-errors, , fly, .
/home/_/.xsession-errors:

 /etc/X11/fly-dm/Xsession : line 55 /bin/df: /

fly:

```
echo '"/bin/df" r-x' | sudo tee -a /etc/parsec/kiosk-profiles/fly
```

20. , :

```
sudo mkiosk -u <_>
```

21. /home/<_>/.xsession-errors| , "unable to create error file":

- a. fly:
 - i. :
 1. chmod;
 2. rm
 3. cp
 - ii. :
 1. XErrorDB;
 2. /usr/lib/parsec/bin/x-session-manager

, , .

(, firefox) :

1. , :

```
echo 0000 | sudo tee /etc/parsec/kiosk_mask
sudo reboot
```

2. ;
3. ;
4. P , :

```
sudo otrace -a -o /etc/parsec/kiosk-profile/firefox -f --mask=3 -u <_>
```

5. parlogd;
6. / firefox;
7. ;
8. , <Enter>;
9. firefox , :

```
echo firefox | sudo tee -a /etc/parsec/kiosk/_
```

10. , :

```
echo 0003 | sudo tee /etc/parsec/kiosk_mask
sudo reboot
```

Fly

```
fly-admin-smc. fly-admin-smc << Fly>> << Fly>>. . , . , . , . , . , .
fly-admin-smc , .
```