

Red Book: Astra Linux Special Edition .10015-01 (1.5)

Astra Linux

- 1. BIOS ()
- 2. - .
- 3. "" BIOS .
- 4. "" "" ". , , , , "" - .
- 5. - .
- 6. , .
- 7. Intel Execute Disable Bit (XD-Bit) AMD No Execute Bit (NX-Bit) .
- 8. "" ILO,RSA,iDRAC,ThinkServer EasyManage,AMT,iMana - , IP KVM.
- 9. secureboot .
- 10. (, BIOS .) BIOS , , , . .

- 1. 5. /boot/home/tmp/var/tmp./boot ro (rw). /home/tmp/var/tmp noexec,nodev,nosuid

- 1. BIOS,
- 2. Astra Linux: [Astra Linux Special Edition .10015-01 \(1.5\)](#)
- 3. GENERIC , .
- 4. "" Grub ().
- 5. Intel .
- 6. "" .
- 7. pam_tally .()
- 8. . :
 - a. quota;
 - b. /etc/fstab;
 - c. edquota .
- 9. : ulimits. (/etc/security/limits.conf):

/etc/security/limits.conf

```
#
* hard core 0
#
* hard fsize 50000000
# -( )
* hard nproc 1000
```

- 10. (..) . chkconfig fly-admin-runlevel
- 11. iptables (,).:iptables ufw
- 12. /etc/sysctl.conf:

- a. SysRq, /etc/sysctl.conf

/etc/sysctl.conf

```
kernel.sysrq = 0
```

, 0.:

cat /proc/sys/kernel/sysrq

- b. :

/etc/sysctl.conf

```
fs.suid_dumpable=0
kernel.randomize_va_space=2
net.ipv4.ip_forward=0
net.ipv4.conf.all.send_redirects=0
net.ipv4.conf.default.send_redirects=0
```

13. python :

```
find /usr/lib/python* -type f -name "_ctype*" -exec sudo dpkg-
statoverride --update --add root root 640 {} \;
```

14. VLC:

```
find /usr/lib/ -type f -name "liblua_plugin*" -exec sudo dpkg-
statoverride --update --add root root 640 {} \;
```

15. Libreoffice

16. (Astra Linux Special Edition .10015-01 (1.5), 1.6):

- a. astra-console :

```
addgroup --gid 333 astra-console
```

- b. /etc/rc.local :

/etc/rc.local

```
#!/bin/sh -e
chown root:astra-console /dev/{pts,pts/*,ptmx,ttty*}
chmod g+rx /dev/{pts,pts/*,ptmx,ttty*}
chmod o-rx /dev/{pts,pts/*,ptmx,ttty*}
exit 0
```

- c. /etc/security/access.conf :

```
echo "-:ALL EXCEPT astra-console :LOCAL" >> /etc/security/access.conf
```

- d. /etc/pam.d/login :

```
sed -i 's|.*account.*pam_access.*|account required pam_access.so|'
/etc/pam.d/login
```

- e. astra-console.
17. ELF xattr (,).

- a. xattr : /etc/lib/lib64/lib32/bin/sbin/boot/root/opt/srv/usr
b. ELF /etc/digsig/digsig_initramfs.conf:

/etc/digsig/digsig_initramfs.conf

```
DIGSIG_ENFORCE=1
DIGSIG_LOAD_KEYS=1
```

- c. :

```
update-initramfs -u -k all
```

```
d. .  
e. xattr. .13.5.2  
18. .  
19. .. .15. , fly-kiosk.. .15.6  
20. .  
21. :
```

```
echo 1 > /parsecfs/nochmodx  
echo 1 > /etc/parsec/nochmodx
```

```
. .16  
22. ., ossec.. .15  
23. > 0 x . (set-fs-ilev) ( , 27-10-2017).  
 , unset-fs-ilev.  
1.5 27-10-2017: . Astra Linux Special Edition 1.5 .  
24. sudo, /etc/sudoers:  
1. , sudo :  
"NOPASSWD:" :
```

```
 %astra-admin ALL=(ALL:ALL) NOPASSWD: ALL
```

```
2. , :
```

```
 Defaults timestamp_timeout=0
```