Astra Linux SecureBoot

secureboot . , secureboot, .

- , . Astra Linux Special Edition.

Astra Linux ().

:

- Astra Linux Special Edition .10015-03 (7.6)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Common Edition 2.12

-
-
- SecureBoot
- SecureBoot

Secure Boot (« ») — , UEFI. UEFI-, , .

:

- **Platform Key (PK)** — . PK KEK, db dbx ( ). PK ;
- **Key Exchange Key (KEK)** — . . KEK .

!

Astra Linux UEFI (. BIOS- CSM Legacy).
Astra Linux UEFI .:

- Astra Linux EFISTUB (grub/grub2)
- Astra Linux (UEFI Legacy BIOS);
- GRUB2 UEFI GPT.

USB- 1.

SecureBoot

:

- Astra Linux Special Edition .10015-01 1.7 (, . Astra Linux Special Edition x.7: ,);
- Astra Linux Special Edition .10015-01 1.6;
- Astra Linux Special Edition .10015-01 1.5 ;
- Astra Linux Common Edition 2.11.* - 2.12;

astra-safepolicy 1.0.32 . Astra Linux Special Edition astra-safepolicy , :

```
sudo apt install astra-safepolicy
```

(astra-secureboot):

```
sudo apt install astra-safepolicy efitools sbsigntool uuid-runtime
```

:

- Astra Linux Special Edition .10015-01 1.5 ;
- Astra Linux Common Edition 1.11

(.).

USB-.

, , :

```
lsblk
```

.

:

```
sudo astra-secureboot /dev/{usb_flash}
```

:

- */root/secureboot/key* ;
- USB- .

.

BIOS (F12) UEFI: USB;

, USB- KeyTool.

KeyTool:

"KeyTool" "Edit Keys" Enter.

"Select Key to Manipulate" "The Allowed Signatures Database (db)" Enter ;

"Manipulating Contents of The Allowed Signatures Database (db)" "Replace Keys";

USB-, efi/ -> boot/ -> keys/ db.auth;

KEK, PK, , , KEK.auth PK.auth;

Esc, Exit;

BIOS SecureBoot.

!

SecureBoot hibernate hybrid-sleep.

SecureBoot

SecureBoot:

1. /etc/initramfs/post-update.d/update-efi-image;
2. /boot/efi/EFI/astralinux/grubx64.efi;
3. grub.

:

```
if [ -f /etc/initramfs/post-update.d/update-efi-image ]; then rm /etc
/initramfs/post-update.d/update-efi-image; fi
mv /boot/efi/EFI/astralinux/grubx64.efi /boot/efi/EFI/astralinux/grubx64.
efi-old
grub-install --bootloader-id=astralinux
```