VirtualBox

-
  - Oracle VirtualBox
  - Debian
  -
- VirtualBox Extension Pack
-
- USB- -
-
  - " VM -> -> "
  - "Kernel driver not installed (rc=-1908)"
  - "VBoxNetAdpCtl: Error while adding new interface: failed to open.dev/vboxnetctl: No such file or directory"

- Astra Linux Special Edition .10015-01 (1.7), .10015-10
- Astra Linux Special Edition .10015-17
- Astra Linux Special Edition .10015-37 (7.7)
- 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

VirtualBox (Oracle VM VirtualBox) — Microsoft Windows, Linux, FreeBSD[5], macOS, Solaris/OpenSolaris, ReactOS, DOS

VirtualBox web- https://www.virtualbox.org/wiki/Linux_Downloads. Astra Linux , Debian (. Astra Linux Special Edition).

VirtualBox (extension pack). VirtualBox;

:

- Oracle VirtualBox;
- Debian;
- .

Oracle VirtualBox

- ca-certificates, :

```
sudo apt install ca-certificates
```

- Oracle VirtualBox:

```
wget https://www.virtualbox.org/download/oracle_vbox_2016.asc -O - |
sudo apt-key add
```

- VirtualBox (. Astra Linux):
  - Astra Linux Special Edition .10015-01 (1.7):

    ```
    deb [arch=amd64] https://download.virtualbox.org/virtualbox/debian buster contrib
    ```

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

    ```
    deb [arch=amd64] https://download.virtualbox.org/virtualbox/debian stretch contrib
    ```

- , libvpx4 (Astra Linux Special Edition 1.6) libvpx5 (Astra Linux Special Edition 1.7):

```
sudo apt update
apt-cache policy libvpx*
```

, :

  - :

```
wget http://ftp.ru.debian.org/debian/pool/main/libv/libvpx
/libvpx5_1.7.0-3+deb10u1_amd64.deb
```

- :

```
sudo apt install ./libvpx5_1.7.0-3+deb10u1_amd64.deb
```

- Debian:
  - Astra Linux Special Edition .10015-01 (1.7):

    ```
    deb https://deb.debian.org/debian/ buster main
    ```

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

    ```
    deb https://archive.debian.org/debian/ stretch main
    ```

- apt:
  - :

    ```
    sudo apt update
    ```

  - VirtualBox:

    ```
    apt-cache policy virtualbox*
    ```

  - virtualbox, virtualbox-6.1:

    ```
    sudo apt install virtualbox-6.1
    ```

Debian

Debian virtualbox 5.4. (5.4.0.54, 5.4.0.71) . 5.4 :

```
sudo apt purge linux-image-5.4.0-71-generic
sudo apt purge linux-image-5.4.0-54-generic
```

:

- Debian (. Astra Linux):
  - Astra Linux Special Edition .10015-01 (1.7) - ;
  - Astra Linux Special Edition .10015-01 (1.6):

    ```
    deb https://archive.debian.org/debian/ stretch-backports contrib
    deb https://archive.debian.org/debian/ stretch main
    ```

- :

  ```
  sudo apt update
  ```

  :

```
W:     .         .  GPG: https://archive.debian.org/debian stretch-backports InRelease:      ,     :
NO_PUBKEY 04EE7237B7D453EC NO_PUBKEY 648ACFD622F3D138
W:     .         .  GPG: https://archive.debian.org/debian stretch Release:      ,     : NO_PUBKEY
7638D0442B90D010 NO_PUBKEY 04EE7237B7D453EC NO_PUBKEY EF0F382A1A7B6500
```

:

```
sudo apt install debian-archive-keyring
```

. , :

```
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys
04EE7237B7D453EC
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys
648ACFD622F3D138
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys
7638D0442B90D010
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys
04EE7237B7D453EC
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys
EF0F382A1A7B6500
```

- apt, :

```
sudo apt install virtualbox-7.0
```

- Astra Linux Special Edition .10015-01 (1.6) Astra Linux Special Edition .10015-16 . 1:
  - ( );
  - ca-certificates ( ):

    ```
    sudo apt install ca-certificates
    ```

- libvpx*, Debian:
  - Astra Linux Special Edition .10015-01 (1.7):

    ```
    wget http://ftp.de.debian.org/debian/pool/main/libv/libvpx
    /libvpx5_1.7.0-3+deb10u1_amd64.deb
    ```

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

    ```
    wget http://ftp.de.debian.org/debian/pool/main/libv/libvpx
    /libvpx4_1.6.1-3+deb9u2_amd64.deb
    ```

- :
  - Astra Linux Special Edition 1.7 Debian 10 : https://www.virtualbox.org/wiki/Linux_Downloads:
  - Astra Linux Special Edition 1.6 Astra Linux Common Edition Debian 9 https://www.virtualbox.org/wiki /Download_Old_Builds_6_1;
- apt :

```
sudo apt install ./<____VirtualBox>
```

```
sudo apt install ./<____VirtualBox> ./libvpx*_amd64.deb
```

:

```
N: Download is performed unsandboxed as root as file '/tmp/tmp.yKiAwHtLXZ/virtualbox-6.1_6.1.26-
145957~Debian~stretch_amd64.deb' couldn't be accessed by user '_apt'. - pkgAcquire::Run (13:   )
```

(. "Download is performed unsandboxed as root as file..." apt).

VirtualBox Extension Pack

VirtualBox Extension Pack : https://www.virtualbox.org/wiki/Download_Old_Builds_6_1.

:

1. :

```
wget https://download.virtualbox.org/virtualbox/6.1.48
/Oracle_VM_VirtualBox_Extension_Pack-6.1.48.vbox-extpack
```

2. :

```
sudo VBoxManage extpack install Oracle_VM_VirtualBox_Extension_Pack-
6.1.48.vbox-extpack
```

. Astra Linux

USB- -

, , , USB-, - (.. " "), vboxusers.

" VM -> -> "

:

~/.config/Trolltech.conf [Qt] :

~/.config/Trolltech.conf
`fileDialog\useNative=false`

VirtualBox.

"Kernel driver not installed (rc=-1908)"

"Kernel driver not installed (rc=-1908)" ( ):

:

1. (Astra Linux Special Edition 1.6 —).
2. gcc, make perl:

```
sudo apt install gcc make perl
```

3. :

```
sudo /sbin/vboxconfig
```

4. :

```
sudo modprobe vboxdrv
```

"VBoxNetAdpCtl: Error while adding new interface: failed to open.dev/vboxnetctl: No such file or directory"

"VBoxNetAdpCtl: Error while adding new interface: failed to open.dev/vboxnetctl: No such file or directory". VirtualBox Linux (vboxdrv) :

```
sudo modprobe vboxdrv
```

, :

```
sudo apt update
sudo apt install --reinstall linux-headers-$(uname -r) virtualbox-dkms dkms
```

, :

```
sudo modprobe vboxdrv
```

, Secure Boot BIOS/UEFI