

XML Astra Linux Special Edition



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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

QEMU/KVM . [QEMU/KVM Astra Linux](#).



Astra Linux Special Edition .10015-01 (1.7), Astra Linux Special Edition .10152-02 (4.7), Astra Linux Common Edition 2.12
manager (virt-manager).

virt-

XML QEMU/KVM Astra Linux Special Edition:

1. XML XML Scheme (/usr/share/libvirt/schemas). XML web- libvirt: <https://libvirt.org/formatdomain.html>. «generic» :
1. 2.
2. 12 GB /var/lib/libvirt/images/generic.qcow2.
3. ISO- /opt/os_install.iso .

XML- :

generic.xml

```
<domain type='kvm'>
  <name>generic</name>
  <uuid>38b4f179-3653-46e1-aaeb-70562869680e</uuid>
  <memory unit='GiB'>2</memory>
  <currentMemory unit='KiB'>1048576</currentMemory>
  <vcpu placement='static'>1</vcpu>
  <os>
    <type arch='x86_64' machine='pc-i440fx-2.8'>hvm</type>
    <bootmenu enable='yes' />
  </os>
  <features>
    <acpi/>
    <apic/>
    <vmport state='off' />
  </features>
  <clock offset='utc'>
    <timer name='rtc' tickpolicy='catchup' />
    <timer name='pit' tickpolicy='delay' />
    <timer name='hpet' present='no' />
  </clock>
  <on_poweroff>destroy</on_poweroff>
  <on_reboot>restart</on_reboot>
  <on_crash>restart</on_crash>
  <pm>
    <suspend-to-mem enabled='no' />
    <suspend-to-disk enabled='no' />
  </pm>
  <devices>
    <emulator>/usr/bin/kvm</emulator>
    <disk type='file' device='disk'>
      <driver name='qemu' type='qcow2' />
      <source file='/var/lib/libvirt/images/generic.qcow2' />
      <target dev='sda' bus='sata' />
      <boot order='1' />
      <address type='drive' controller='0' bus='0' target='0' unit='0' />
    </disk>
```

```

<disk type='file' device='cdrom'>
  <driver name='qemu' type='raw'/>
  <source file='/opt/os_install.iso'/>
  <target dev='hdb' bus='ide'/>
  <readonly/>
  <boot order='2'/>
  <address type='drive' controller='0' bus='0' target='0' unit='1'/>
</disk>
<controller type='usb' index='0' model='ich9-ehci1'>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x04' function='0x7'/>
</controller>
<controller type='usb' index='0' model='ich9-uhci1'>
  <master startport='0'/>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x04' function='0x0' multifunction='on'/>
</controller>
<controller type='usb' index='0' model='ich9-uhci2'>
  <master startport='2'/>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x04' function='0x1'/>
</controller>
<controller type='usb' index='0' model='ich9-uhci3'>
  <master startport='4'/>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x04' function='0x2'/>
</controller>
<controller type='pci' index='0' model='pci-root'/>
<controller type='ide' index='0'>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x01' function='0x1'/>
</controller>
<controller type='sata' index='0'>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x05' function='0x0'/>
</controller>
<controller type='virtio-serial' index='0'>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x06' function='0x0'/>
</controller>
<serial type='pty'>
  <target port='0'/>
</serial>
<console type='pty'>
  <target type='serial' port='0'/>
</console>
<channel type='spicevmc'>
  <target type='virtio' name='com.redhat.spice.0'/>
  <address type='virtio-serial' controller='0' bus='0' port='1'/>
</channel>
<input type='mouse' bus='ps2'/>
<input type='keyboard' bus='ps2'/>
<graphics type='vnc' port='5900' autoport='no' listen='0.0.0.0'>
  <listen type='address' address='0.0.0.0'/>
  <image compression='off'/>
</graphics>
<sound model='ich6'>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x03' function='0x0'/>
</sound>
<video>
  <model type='qxl' ram='65536' vram='65536' vgamem='16384' heads='1' primary='yes'/>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x02' function='0x0'/>
</video>
<redirdev bus='usb' type='spicevmc'>
  <address type='usb' bus='0' port='1'/>
</redirdev>
<redirdev bus='usb' type='spicevmc'>
  <address type='usb' bus='0' port='2'/>
</redirdev>
<memballoon model='virtio'>
  <address type='pci' domain='0x0000' bus='0x00' slot='0x07' function='0x0'/>
</memballoon>
</devices>
</domain>

```



Spice xml- :

```
<graphics type='vnc' port='5900' autoport='no' listen='0.0.0.0'>
  <listen type='address' address='0.0.0.0' />
  <image compression='off' />
</graphics>
```

:

```
<graphics type='spice' autoport='yes'>
  <listen type='address' />
</graphics>
```

2. 12Gb, (`<disk type='file' device='disk'>...</disk>`):

```
sudo qemu-img create -f qcow2 /var/lib/libvirt/images/generic.qcow2 12G
```

3. `/opt/os_install.iso` `<disk type='file' device='cdrom'>...</disk>`;

4. :

```
virsh -c qemu:///system define XML_
```

XML_ xml- .

7. :

```
virsh -c qemu:///system start generic
```

generic — .

5. :

-) Spice (`spice-client-gtk`):

```
sudo apt install spice-client-gtk
spicy -h localhost -p 5900
```

-) VNC (`gvncviewer` `tigervnc-viewer`):

```
vncviewer localhost:5900
```