**Qemu with Libvirt**

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**1. Qemu**

安装依赖包，编译qemu源码:

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| --- |
| yum -y install gcc gcc-c++ automake libtool zlib-devel glib2-devel bzip2-devel libuuid-devel spice-protocol spice-server-devel usbredir-devel libaio-devel AAVMF pixman pixman-devel  wget <https://download.qemu.org/qemu-3.0.0.tar.xz>  tar -xf qemu-3.0.0.tar.xz  cd qemu-3.0.0  mkdir build  cd build  ../configure --target-list=aarch64-softmmu --enable-kvm --prefix=/usr --libdir=/usr/lib64  make -j40  make install |

**2. Libvirt**

编译安装libvirt:

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| wget <https://libvirt.org/sources/libvirt-4.9.0.tar.xz>  yum -y install gcc libnl-devel libxml2-devel libxslt device-mapper-devel libpciaccess-devel yajl-devel gnutls-devel.aarch64 dnsmasq pm-utils pm-utils-devel  cd libvirt-4.9.0  mkdir build  ../configure --prefix=/usr --sysconfdir=/etc --localstatedir=/var --libdir=/usr/lib64 |

**3. Virt-manager**

安装virt-manager:

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| --- |
| yum -y install libvirt-glib-devel libvirt-glib libosinfo libosinfo-devel vte3-devel vte3 gtk-vnc2 gtk-vnc2-devel  pip install ipaddrvir  wget <https://releases.pagure.org/virt-manager/virt-manager-1.5.1.tar.gz>  tar -zxvf virt-manager-1.5.1.tar.gz  yum install intltool  cd virt-manager-1.5.1  Python setup.py install  # 注意libstdc++.so.6是否存在问题  strings /lib64/libstdc++.so.6 | grep CXXABI  …  CXXABI\_1.3.8  CXXABI\_1.3.9  CXXABI\_1.3.10  CXXABI\_1.3.11  … |

**4. Command line**

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| --- |
| # export display  export DISPLAY=your-host-ip:0  virt-manager |

**5. 问题集**

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