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KVM

redhat qcow guest image

### 2021.08.02 RHEL8  
RHEL8

가 : RHEL 8 guest image  
. url : <https://access.redhat.com/solutions/4073061>

가

## Red Hat Enterprise Linux KVM Guest Images

```
# RHEL6 ~ RHEL7.5 url : https://access.redhat.com/solutions/894123
# RHEL8.4 url :
https://access.redhat.com/downloads/content/479/ver=/rhel---8/8.4/x86_64/product-software
```

## KVM Guest Images

```
# yum -y install libguestfs-tools
# yum -y install guestfish
# systemctl start libvirtd
```

- RHEL 8

```
[root@localhost ~]# yum -y install libguestfs-tools-c libguestfs-bash-completion
```

## guest image

### root

```
## rhel-server-7.9-x86_64-kvm.qcow2
# virt-customize -a rhel-server-7.9-x86_64-kvm.qcow2 --root-password
password:< >
[ 0.0] Examining the guest ...
[ 5.3] Setting a random seed
[ 5.4] Setting the machine ID in /etc/machine-id
[ 5.4] Setting passwords
```

## [ 7.0] Finishing off

```
# virt-customize -a rhel-server-7.9-x86_64-kvm.qcow2 --install httpd,vim
```

```
## timezone
# virt-customize -a rhel-server-7.9-x86_64-kvm.qcow2 --run-command "rm -rf /etc/localtime"
# virt-customize -a rhel-server-7.9-x86_64-kvm.qcow2 --run-command "ln -s /usr/share/zoneinfo/Asia/Seoul /etc/localtime"

## RHEL8 timezone
# virt-customize -a rhel-8.4-x86_64-kvm.qcow2 --timezone "Asia/Seoul"

## repository 가
# virt-customize -a rhel-server-7.9-x86_64-kvm.qcow2 --copy-in [ ]:[ ]
```

## RHEL8 Guest Image

```
## RHEL7 RHEL8 Guest Image 가
# virt-customize -a rhel-8.4.qcow2 --root-password password:SomePassword12345!
virt-customize: warning: mount: mount exited with status 32: mount: wrong fs type, bad option, bad superblock on /dev/sda1, missing codepage or helper program, or other error

In some cases useful info is found in syslog - try dmesg | tail or so. (ignored)
virt-customize: error: libguestfs error: is_dir: is_dir_stub: you must call 'mount' first to mount the root filesystem
```

If reporting bugs, run virt-customize with debugging enabled and include the complete output:

```
virt-customize -v -x [...]
##
RHEL7 RHEL8 GuestImage .
RHEL8 .
virt-customize 가 , 가
guestfish .
```

```
[ 0.0] Examining the guest ...  
virt-customize: error: libguestfs error: could not create appliance through  
libvirt.
```

Try running qemu directly without libvirt using this environment variable:  
export LIBGUESTFS\_BACKEND=direct

Original error from libvirt: Cannot access storage file  
'/root/Rocky-8-GenericCloud-Base.latest.x86\_64.qcow2' (as uid:107,  
gid:107): Permission denied [code=38 int1=13]

If reporting bugs, run virt-customize with debugging enabled and include  
the complete output:

```
virt-customize -v -x [...]
```

LIBGUESTFS\_BACKEND 가  
export LIBGUESTFS\_BACKEND=direct

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