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* https://docs.openstack.org/image-guide/create-images-manually.html

RHEL / CentOS

* RHEL 8/9 VM Template Sealing

　　　　　　　　OS　　　　　　　　　　　　　　　　　　　　　　.

* 　　　　　　(　　　)
*

```
# dnf install -y cloud-utils-growpart cloud-init
```

* /etc/cloud/cloud.cfg

```
users:                 #
- default
disable_root: 1       # root
ssh_pwauth: 0         # ssh        password
mount_default_fields: [~, ~, 'auto', 'defaults,nofail,x-
systemd.requires=cloud-init.service', '0', '2']
ssh_deletekeys: 1
ssh_genkeytypes: ['rsa', 'ecdsa', 'ed25519']
syslog_fix_perms: ~
disable_vmware_customization: false

cloud_init_modules:
- resolv-conf        # resolv-conf
```

* /etc/sysconfig/network

```
NOZEROCONF=yes
```

*

/etc/default/grub

```
GRUB_CMDLINE_LINUX_DEFAULT="console=tty0 console=ttyS0,115200n8"
```

```
# grub2-mkconfig -o /boot/grub2/grub.cfg
```

RHEL8

```
$ grubby --update-kernel=ALL --args="console=tty0 console=ttyS0,115200n8"
$ grub2-mkconfig -o /boot/grub2/grub.cfg
$ grubby --info DEFAULT
```

- /etc/sysconfig/network-scripts/ .

- Subscription .

```
# sudo subscription-manager register
# sudo subscription-manager attach --pool=Valid-Pool-Number-123456
# sudo subscription-manager repos --enable=rhel-7-server-rpms
```

- shutdown
- sysprep

```
[root@host]# virt-sysprep -d <            >
```

-

```
[root@host]# virt-sparsify --compress <           > <              >
```

- https://docs.openstack.org/image-guide/openstack-images.html
- https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/8/html/configuring_and_managing_cloud-init_for_rhel_8
- https://access.redhat.com/documentation/en-us/red_hat_openstack_platform/16.2/html/instances_and_images_guide

Debian / Ubuntu

1.

```
truncate -s0 /etc/hostname
hostnamectl set-hostname localhost
```

2. netplan

```
rm /etc/netplan/50-cloud-init.yaml
```

3. machine-id

```
truncate -s0 /etc/machine-id
rm /var/lib/dbus/machine-id
ln -s /etc/machine-id /var/lib/dbus/machine-id
```

4. cloud-init clean   . cloud-init clean

                                        VM   .

5. root

```
passwd -dl root
```

6. history

```
truncate -s0 ~/.bash_history
history -c
```

7.

   •

/etc/default/grub

```
GRUB_CMDLINE_LINUX_DEFAULT="console=tty0 console=ttyS0,115200n8"
```

```
$ sudo update-grub
#
$ sudo grub-mkconfig -o /boot/grub/grub.cfg
```

8. VM   shutdown -h now

- https://docs.openstack.org/image-guide/ubuntu-image.html
- https://medium.com/@dsykes012/making-a-custom-ubuntu-20-04-lts-focal-fossa-vm-template-that-works-with-cloud-init-2cfffb6783b4