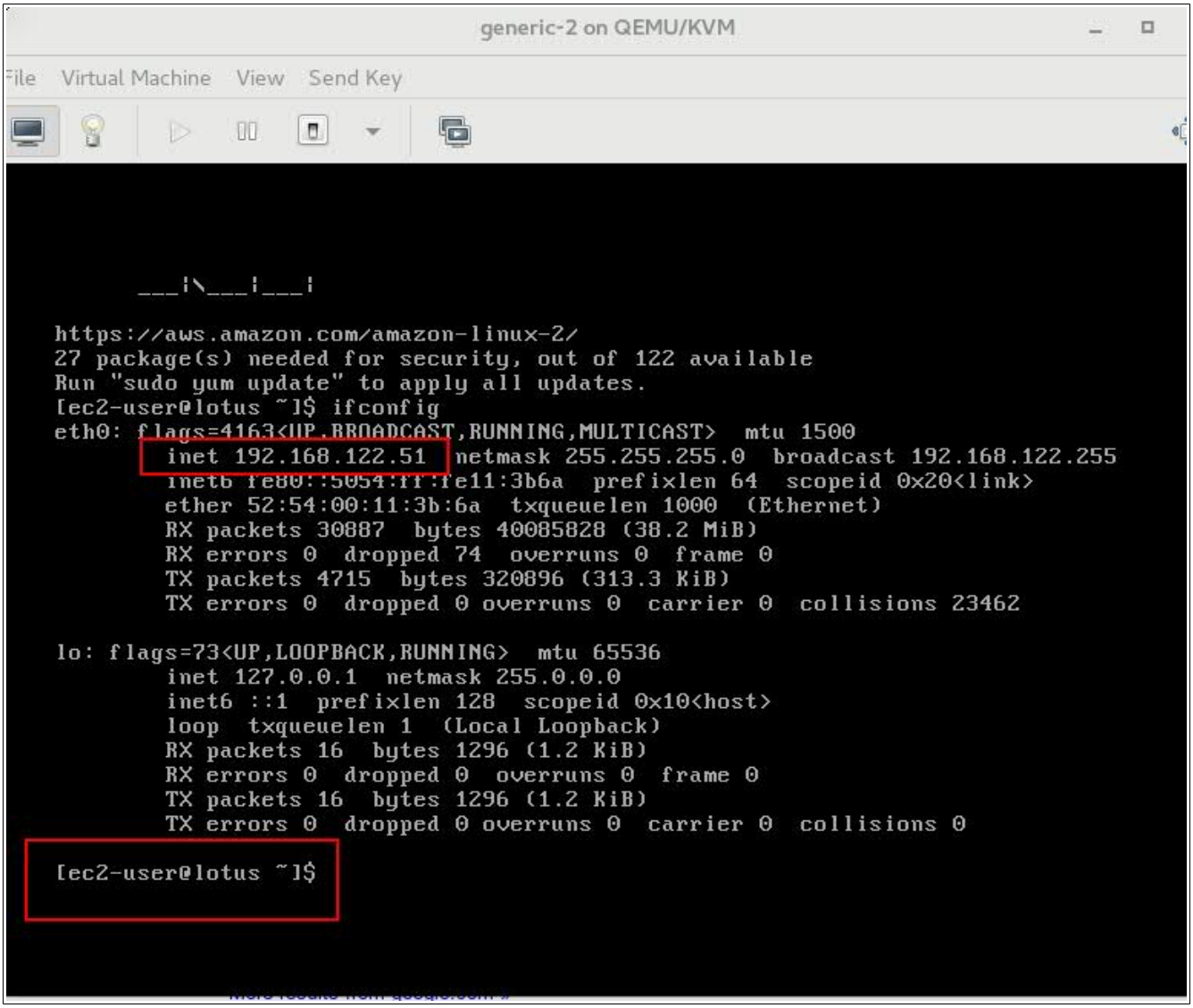
```
[sivaramakrishnan@lavender aws_siva]$ genisoimage -output s1.iso -volid cidata -joliet -rock user-data meta-data
I: -input-charset not specified, using utf-8 (detected in locale settings)
Total translation table size: 0
Total rockridge attributes bytes: 331
Total directory bytes: 0
Path table size(bytes): 10
Max brk space used 0
183 extents written (0 MB)
[sivaramakrishnan@lavender aws_siva]$ ls *.iso
s1.iso  seed.iso
[sivaramakrishnan@lavender aws_siva]$ pwd
/home/sivaramakrishnan/Desktop/aws_siva
[sivaramakrishnan@lavender aws_siva]$
```

```
[sivaramakrishnan@lavender aws_siva]$ cat meta-data
local-hostname: lotus.local
[sivaramakrishnan@lavender aws_siva]$
```

```
[sivaramakrishnan@lavender aws_siva]$ cat user-data
#cloud-config
# vim:syntax=yaml
users:
# A user by the name ec2-user is created in the image by default.
  - default
# Following entry create user1 and assigns password specified in plain text.
# Please not use of plain text password is not recommended from security best
# practises standpoint
  - name: user1
    groups: sudo
    sudo: ['ALL=(ALL) NOPASSWD:ALL']
    plain_text_passwd: <password>
    lock_passwd: false
# Following entry creates user2 and attaches a hashed passwd to the user. Hashed
# passwords can be generated with:
# python -c 'import crypt,getpass; print crypt.crypt(getpass.getpass())'
#  - name: user2
#    passwd: < hashed password here >
#    lock_passwd: false
# Following entry creates user3, disables password based login and enables an SSH public key
#  - name: user3
#    ssh-authorized-keys:
#            - < ssh public key here >
#    lock_passwd: true

chpasswd:
  list: |
    ec2-user:password
```

```
[sivaramakrishnan@lavender aws_siva]$ ls -lah
total 1.4G
drwxrwxr-x. 2 sivaramakrishnan sivaramakrishnan 4.0K Jul 26 18:13 .
drwxrwxrwx. 7 sivaramakrishnan sivaramakrishnan  12K Jul 26 17:43 ..
-rw-rw-r--. 1 sivaramakrishnan sivaramakrishnan 1.4G Jul 16 20:49 amzn2-kvm-2017.12.0.20171212.2-x86_64.xfs.gpt.qcow2.0
-rw-rw-r--. 1 sivaramakrishnan sivaramakrishnan   28 Jul 26 18:08 meta-data
-rw-rw-r--. 1 qemu             qemu             366K Jul 26 18:13 s1.iso
-rw-rw-r--. 1 qemu             qemu             366K Jul 26 01:06 seed.iso
-rw-rw-r--. 1 sivaramakrishnan sivaramakrishnan  931 Jul 26 02:12 user-data
[sivaramakrishnan@lavender aws_siva]$ cat user-data
#cloud-config
```




```
[sivaramakrishnan@lavender Desktop]$ export gzip=9
[sivaramakrishnan@lavender Desktop]$ tar cfz aws_siva_amazon_linux.tar.gz  aws_siva/
[sivaramakrishnan@lavender Desktop]$
[sivaramakrishnan@lavender Desktop]$ ls -lah aws_siva_amazon_linux.tar.gz
-rw-rw-r--. 1 sivaramakrishnan sivaramakrishnan 557M Jul 26 18:49 aws_siva_amazon_linux.tar.gz
[sivaramakrishnan@lavender Desktop]$
```

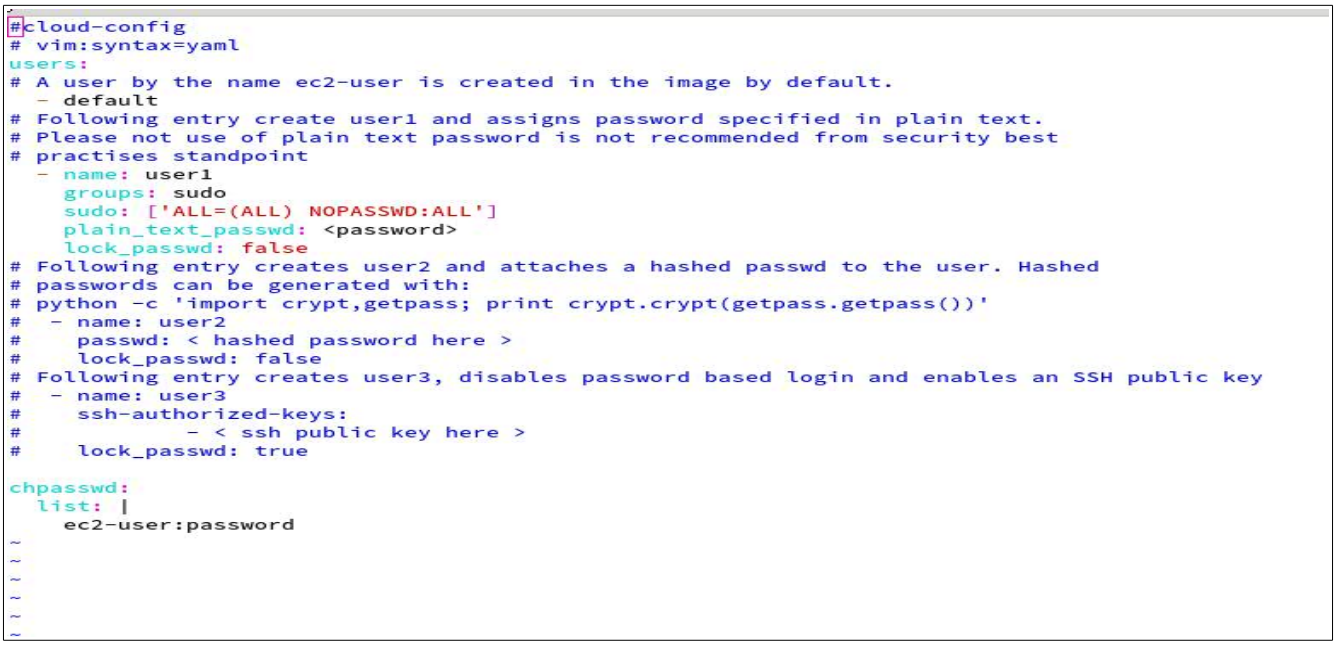
Essentaisl Files:

#user-data

#cloud-config

```
# vim:syntax=yaml
users:
# A user by the name ec2-user is created in the image by default.
  - default
# Following entry create user1 and assigns password specified in plain text.
# Please not use of plain text password is not recommended from security best
# practises standpoint
  - name: user1
    groups: sudo
    sudo: ['ALL=(ALL) NOPASSWD:ALL']
    plain_text_passwd: <password>
    lock_passwd: false
# Following entry creates user2 and attaches a hashed passwd to the user. Hashed
# passwords can be generated with:
# python -c 'import crypt,getpass; print crypt.crypt(getpass.getpass())'
#  - name: user2
#    passwd: < hashed password here >
#    lock_passwd: false
# Following entry creates user3, disables password based login and enables an SSH public key
#  - name: user3
#    ssh-authorized-keys:
#          - < ssh public key here >
#    lock_passwd: true

chpasswd:
  list: |
    ec2-user:password
```



#meta-data
local-hostname: lotus.local

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/amazon-linux-2-virtual-machine.html

wget -c https://cdn.amazonlinux.com/os-images/2.0.20180622.1/kvm/amzn2-kvm-2.0.20180622.1-x86_64.xfs.gpt.qcow2

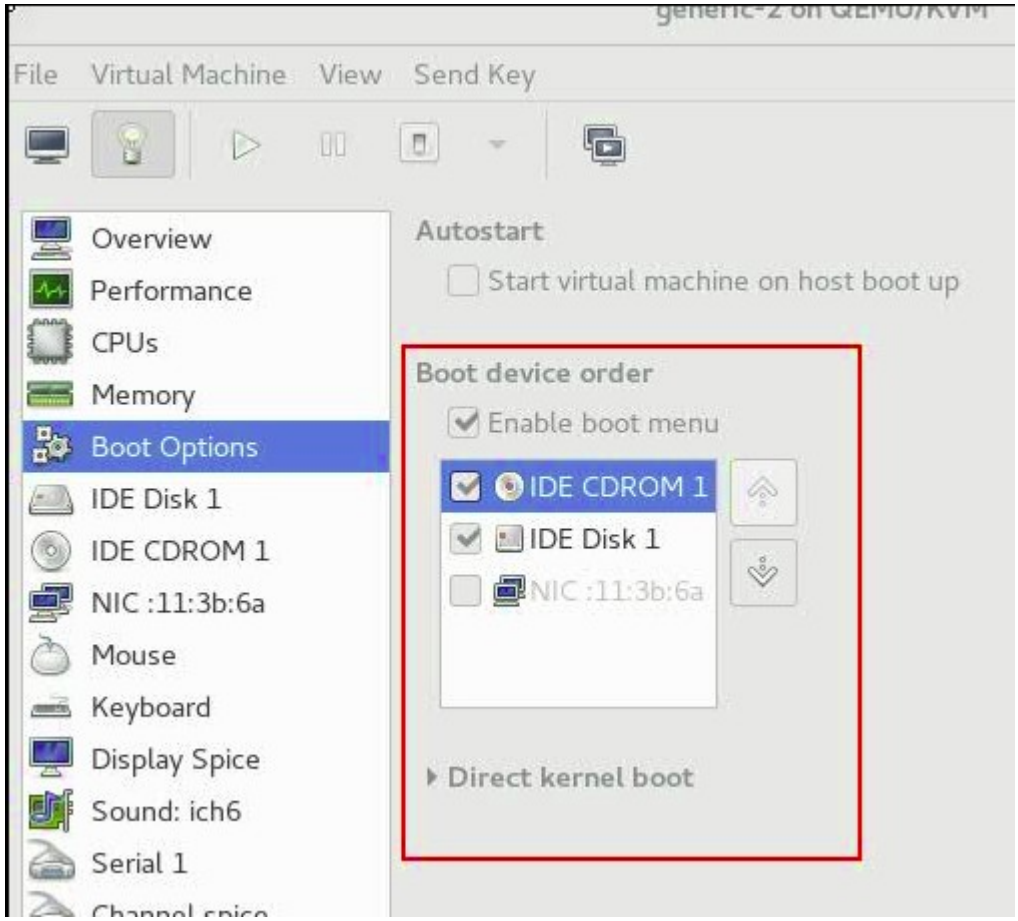
wget -C https://cdn.amazonlinux.com/os-images/2.0.20180622.1/vmware/amzn2-vmware_esx-2.0.20180622.1-x86_64.xfs.gpt.ova

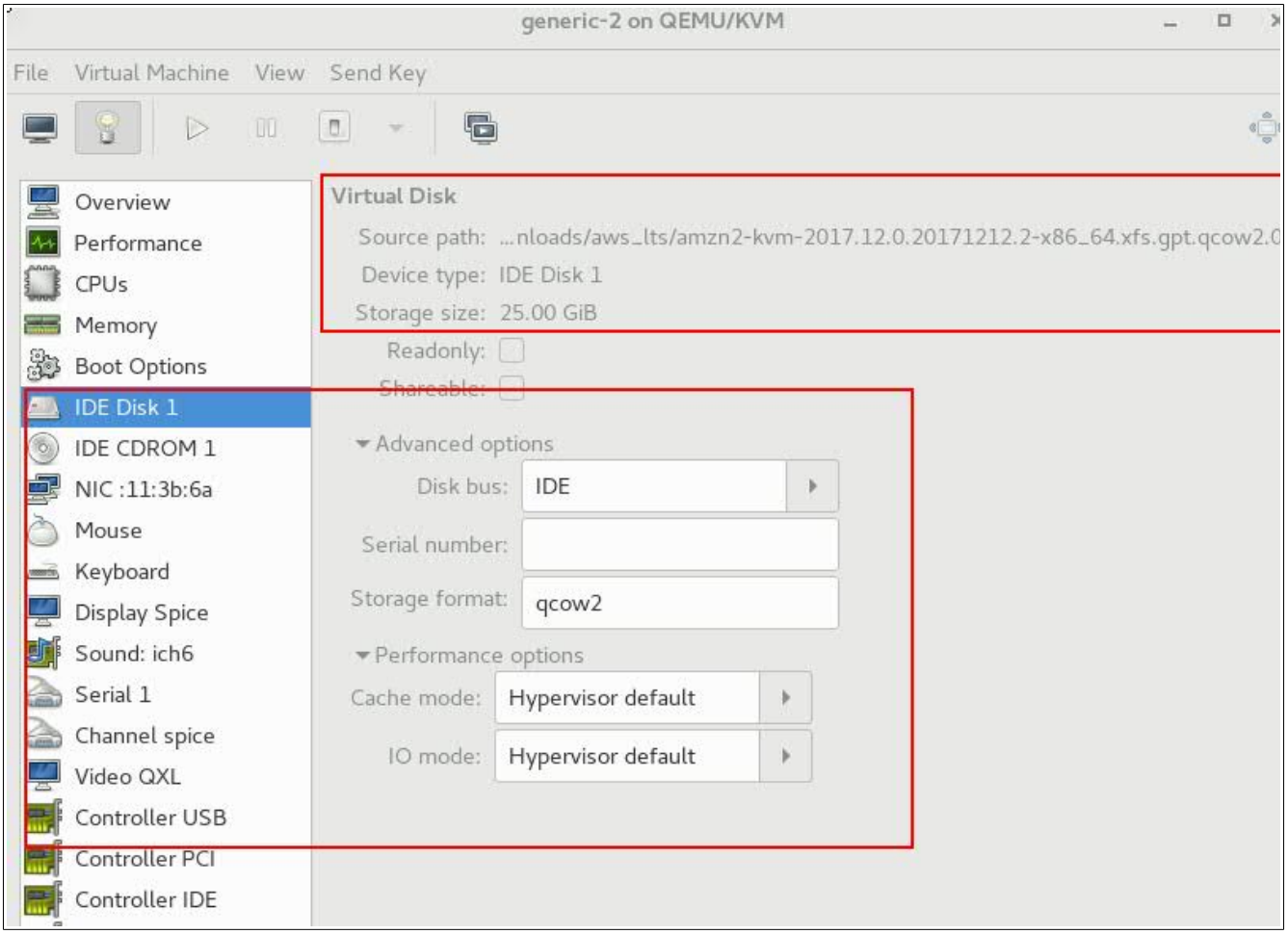
For Linux, use a tool such as genisoimage. Navigate into the `seedconfig` folder and execute the following command:

```
$ genisoimage -output seed.iso -volid cidata -joliet -rock user-data meta-data
```

For macOS, use a tool such as **hdiutil**. Navigate one level up from the `seedconfig` folder and execute the following command:

```
$ hdiutil makehybrid -o seed.iso -hfs -joliet -iso -default-volume-name cidata seedconfig/
```




generic-2 on QEMU/KVM
File
Virtual Machine
View
Send Key
Overview
Performance
CPUs
Memory
Boot Options
IDE Disk 1
IDE CDROM 1
NIC :11:3b:6a
Mouse
Keyboard
Display Spice
Sound: ich6
Serial 1
Channel spice
Video QXL
Controller USB
Controller PCI
Controller IDE
Virtual Disk
Source path: ...nloads/aws_lts/amzn2-kvm-2017.12.0.20171212.2-x86_64.xfs.gpt.qcow2.0
Device type: IDE Disk 1
Storage size: 25.00 GiB
Readonly:
Shareable:
Advanced options
Disk bus: IDE
Serial number:
Storage format: qcow2
Performance options
Cache mode: Hypervisor default
IO mode: Hypervisor default