Install on KVM

For supported software information, click here.

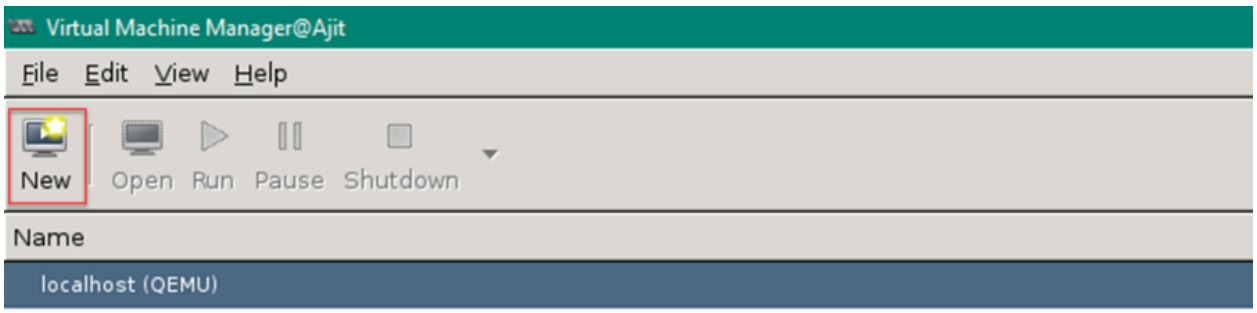
This article describes how to install the Versa headend components on a KVM virtual machine platform.

Install Versa Analytics on KVM

1. Use SSH to connect to the KVM platform.
2. Issue the **sudo virsh** or **sudo virt-manager** shell command to open the Virtual Machine Manager GUI. For example:

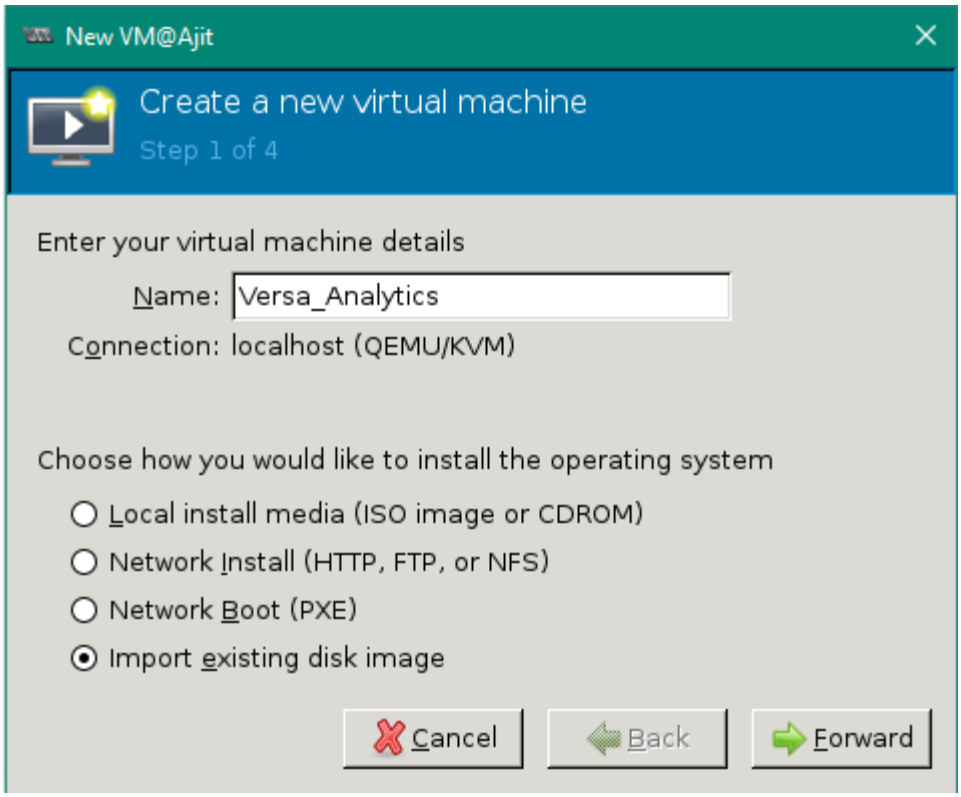
```
kvm-host@User:~$ sudo virt-manager
sudo: unable to resolve host User
[sudo] password for virtual-machine:
kvm-host@User:~$
```

3. Click New to create a new VM.

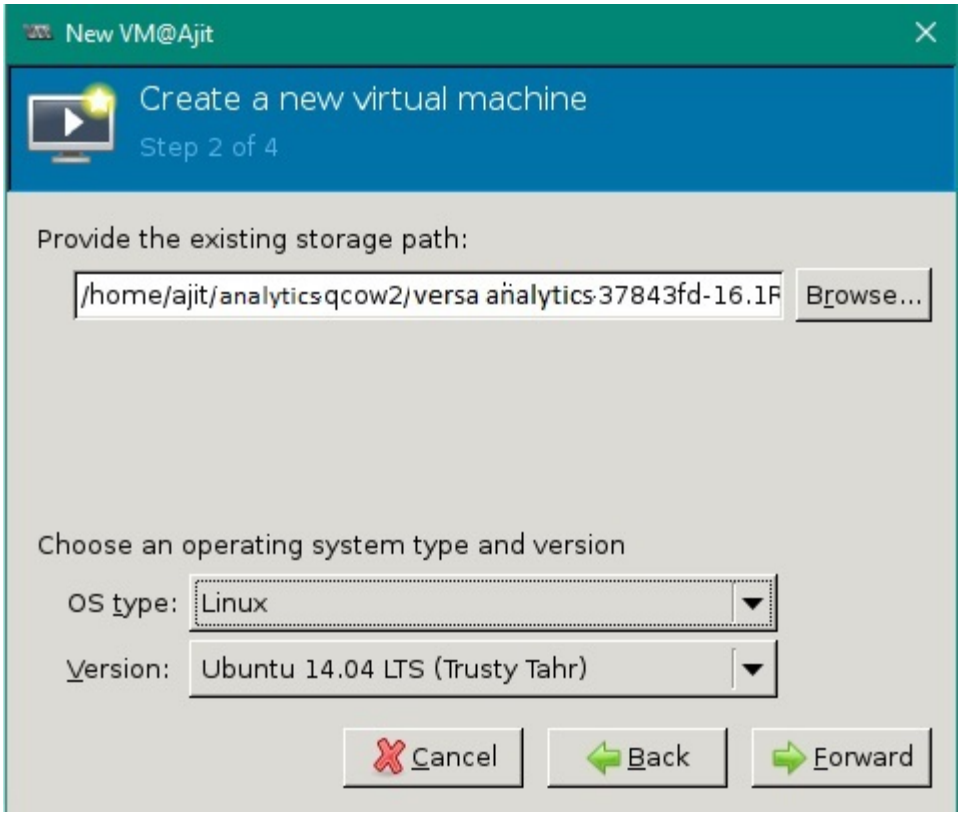


Updated: Wed, 23 Oct 2024 07:14:34 GMT

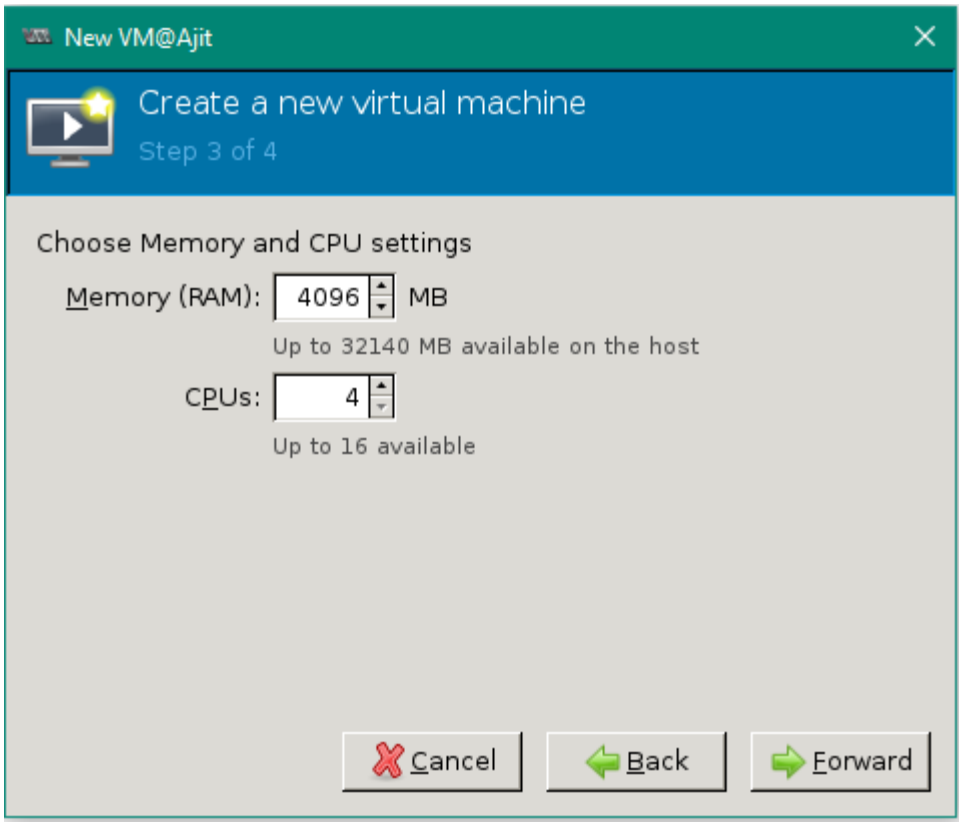
4. Enter the name of the VM, click Import Existing Disk Image, and then click Forward.



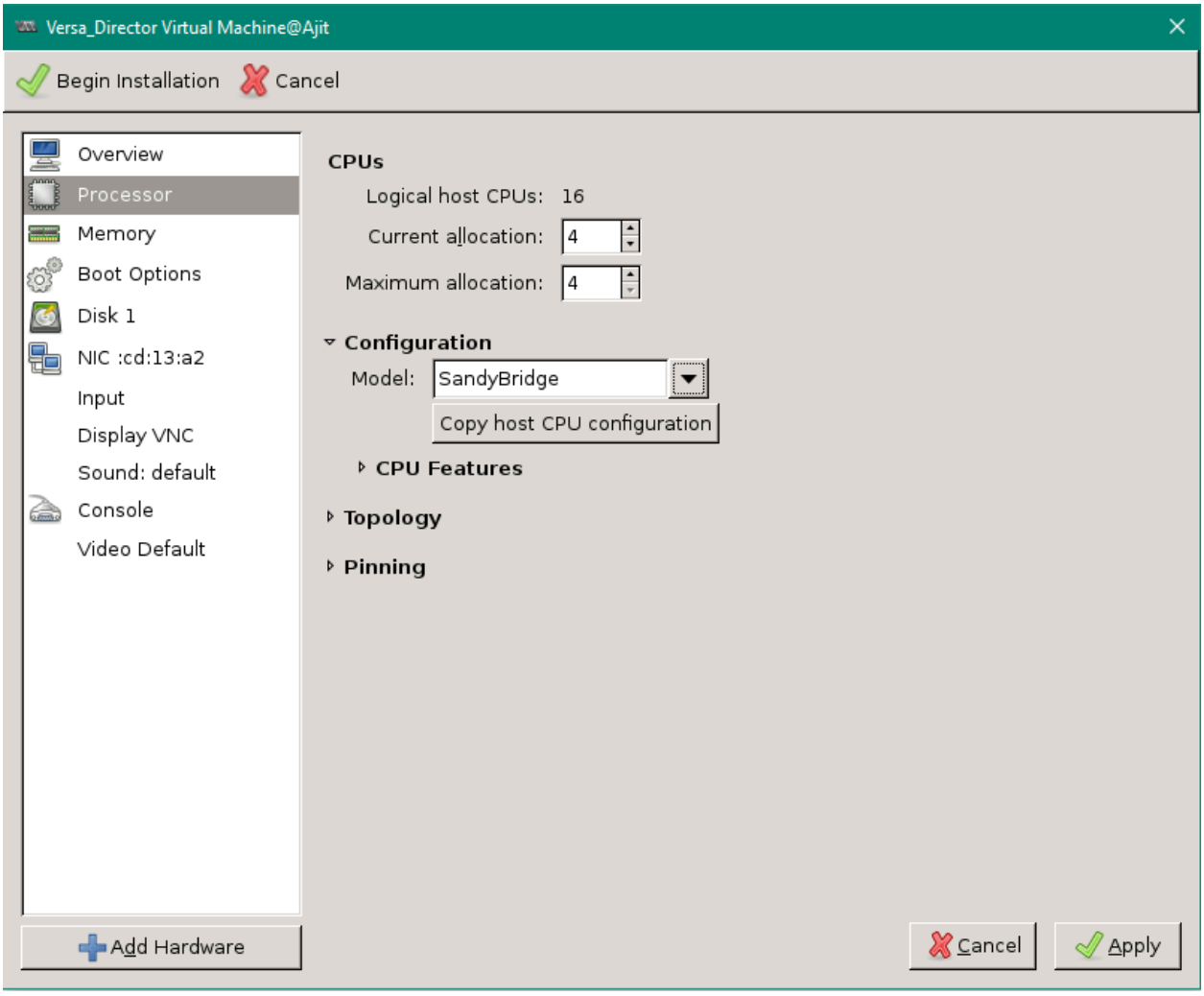
5. Click Browse to select the storage path and the OS type, and then click Forward. Note that the Version field is automatically populated depending on the OS type you select.



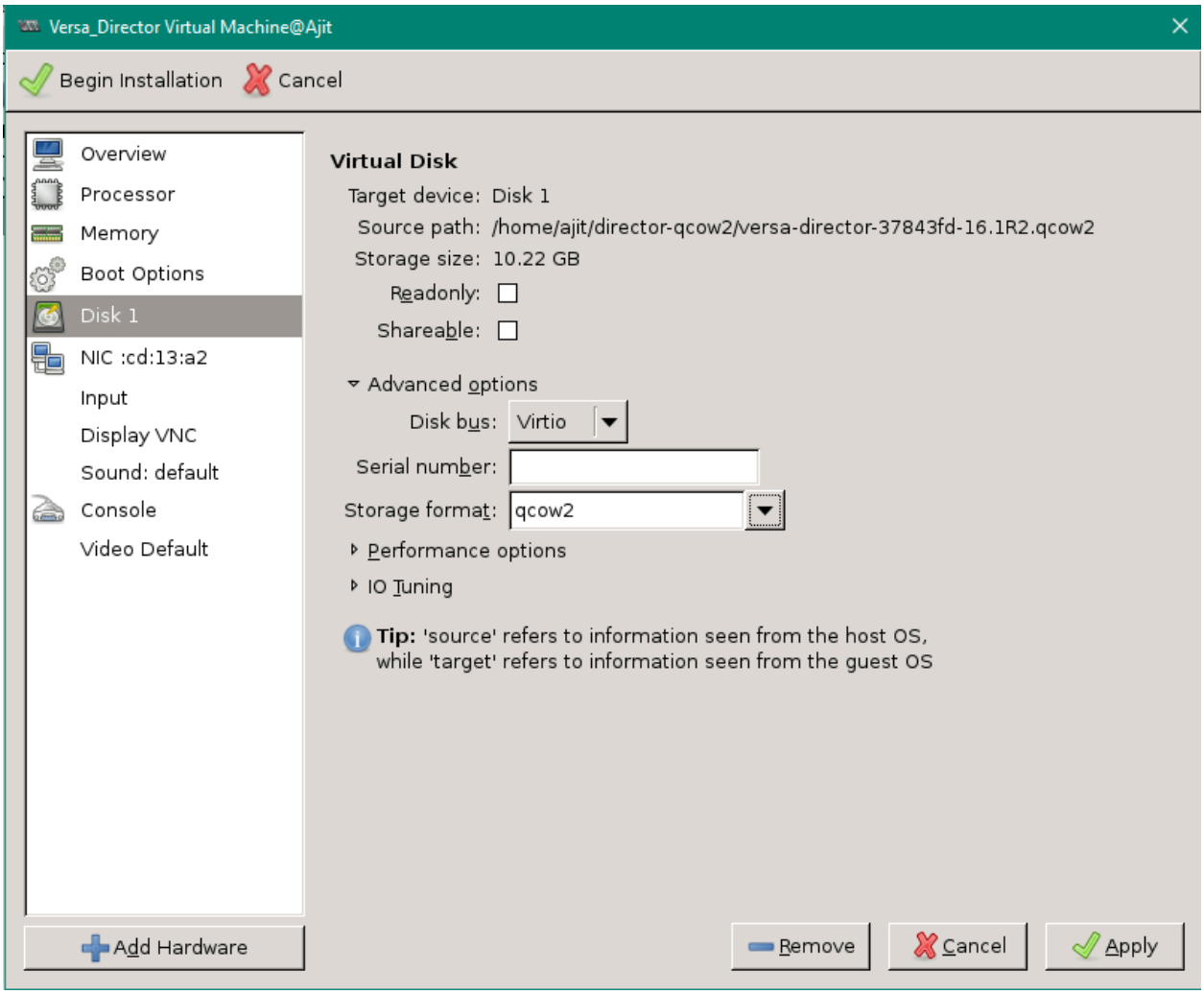
6. Select the amount of memory and number of CPUs for the VM, and then click Forward. Note that the values listed for memory and CPU vary, depending on the deployment scenario.



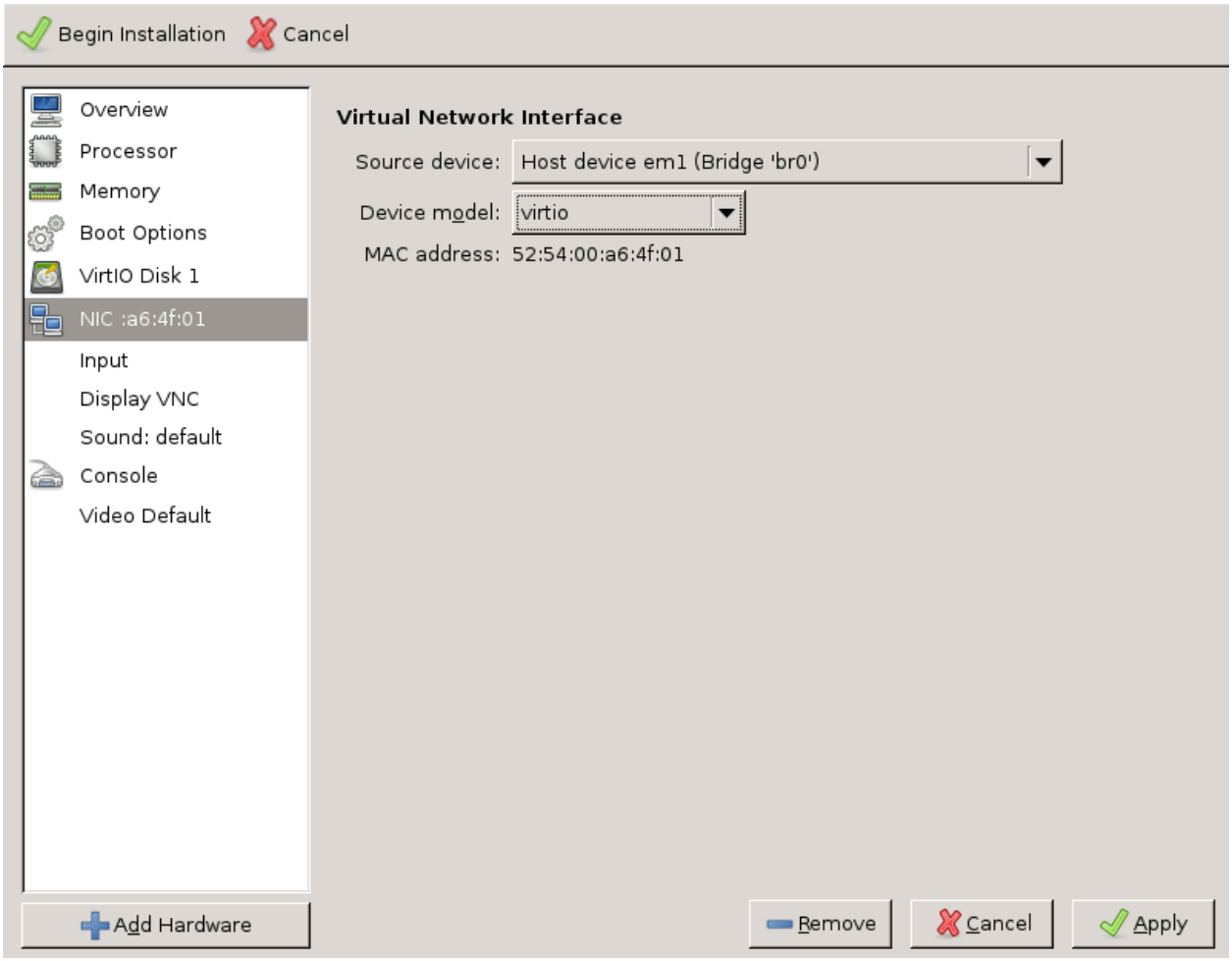
7. Click Customize Configuration Before Install.
8. Click Finish to create the VM.
9. In the left navigation bar, select Processor.
    a. In the Configuration field, select SandyBridge in the Model drop-down list.
    b. Click Apply.



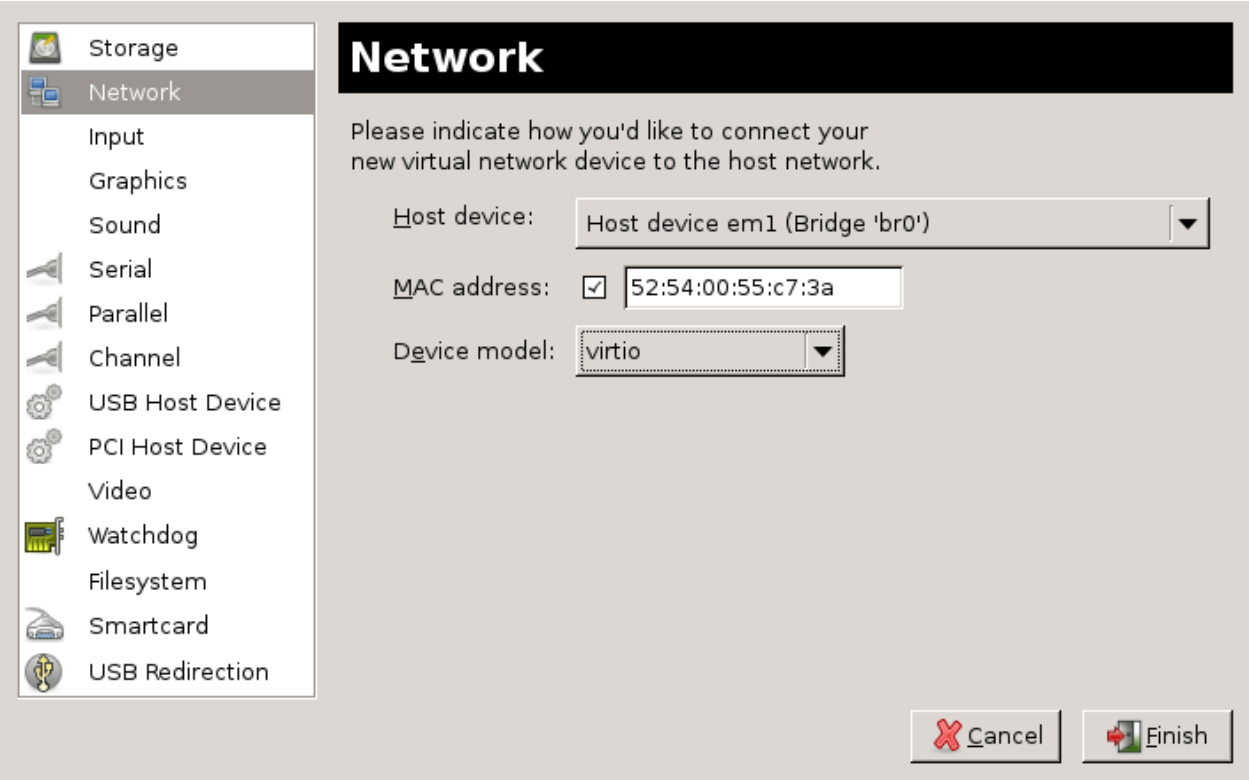
10. In the left navigation bar, select Disk 1.
    a. Click Advanced Options.
    b. In the Disk Bus drop-down list, select Virtio.
    c. In the Storage Format drop-down list, select qcow2.
    d. Click Apply to create the VM instance.



11. In the left navigation bar, select NIC.
    a. In the Source Device drop-down list, select Host device em1 (Bridge br0).
    b. In the Device Model drop-down list, select virtio (for Release 16.1R2) or e1000 (for Releases 20.2 and later).
    c. Click Apply.

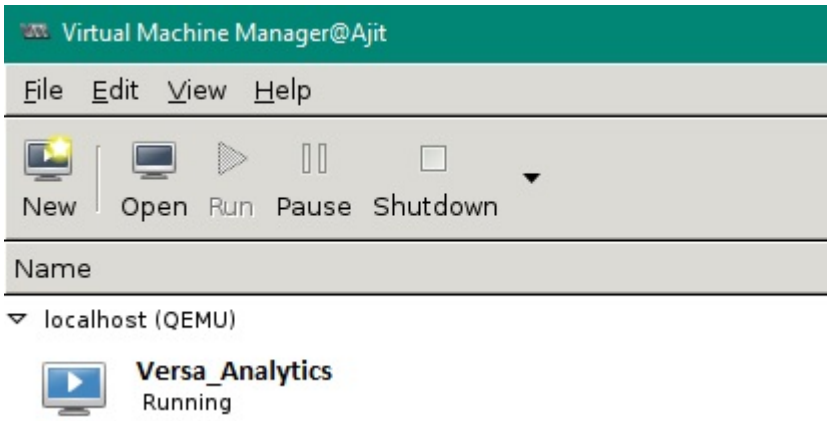


d. Click Add Hardware and select Network option.

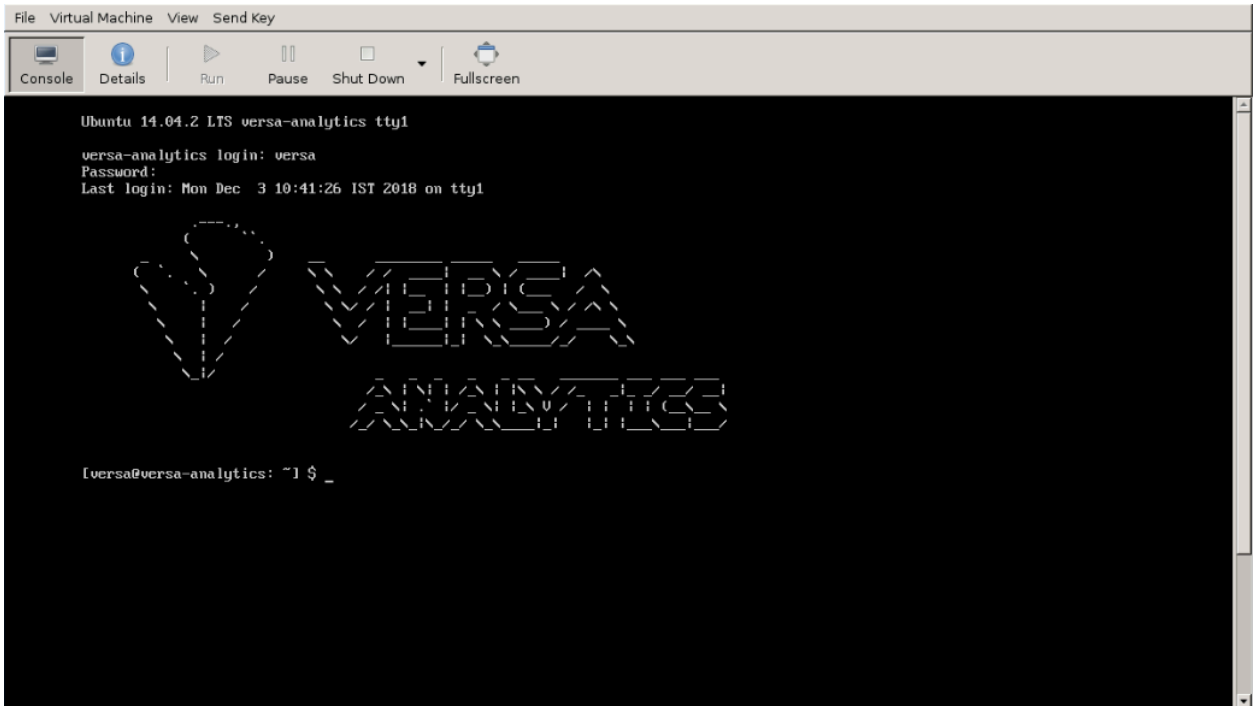


e. Click Finish to add or configure the interface.

12. Click Begin Installation to complete the VM installation. The Virtual Machine Manager displays the Versa Analytics VM and shows that it is running.



13. Log in to Versa Analytics using the default username (versa) and password (versa123). The Versa Analytics banner displays on the console.

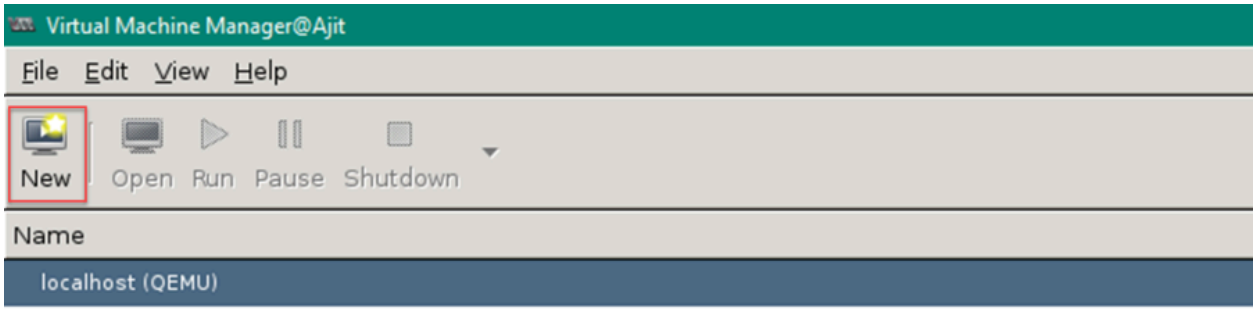


Install Versa Director on KVM

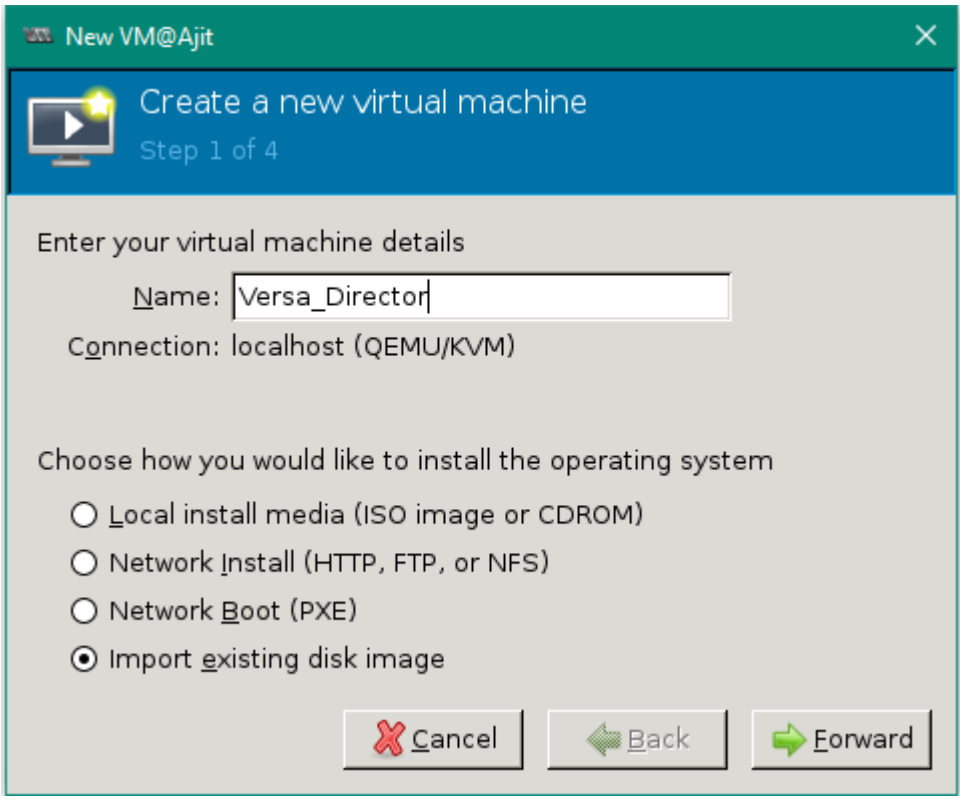
1. Use SSH to connect to the KVM platform.
2. Run the sudo virt-manager shell command. Enter your password when prompted. This opens the Virtual Machine Manager GUI. For example:

```
kvm-host@User:~$ sudo virt-manager
sudo: unable to resolve host User
[sudo] password for virtual-machine:
kvm-host@User:~$
```

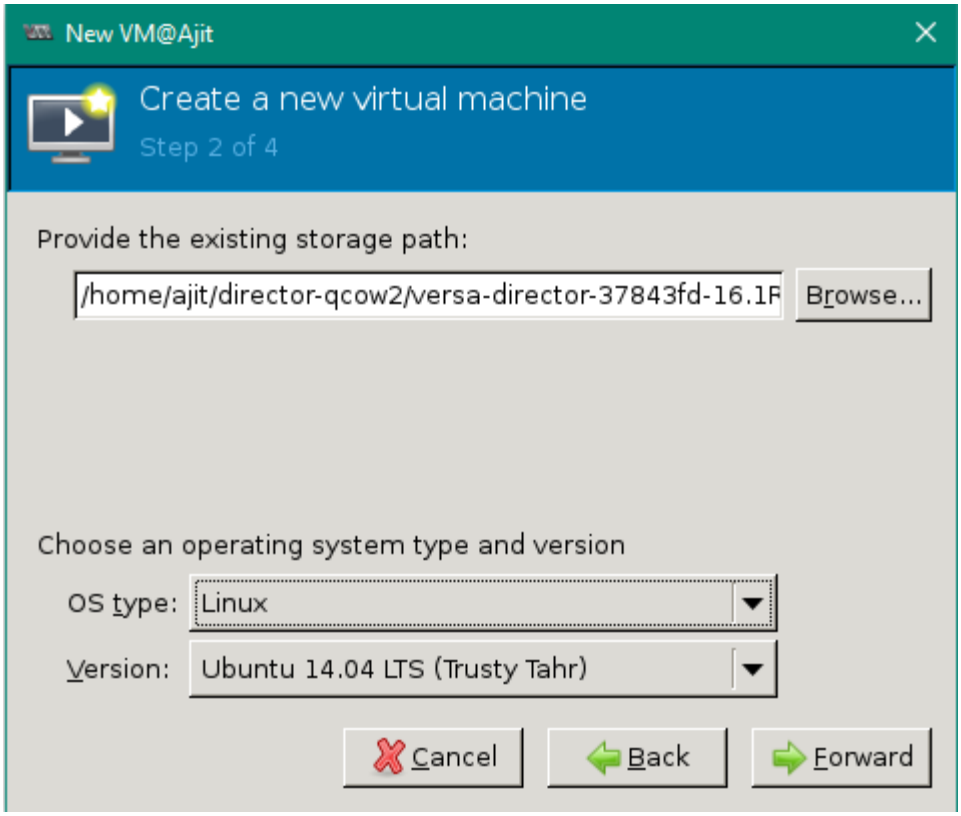
2. Click New to create a new VM.



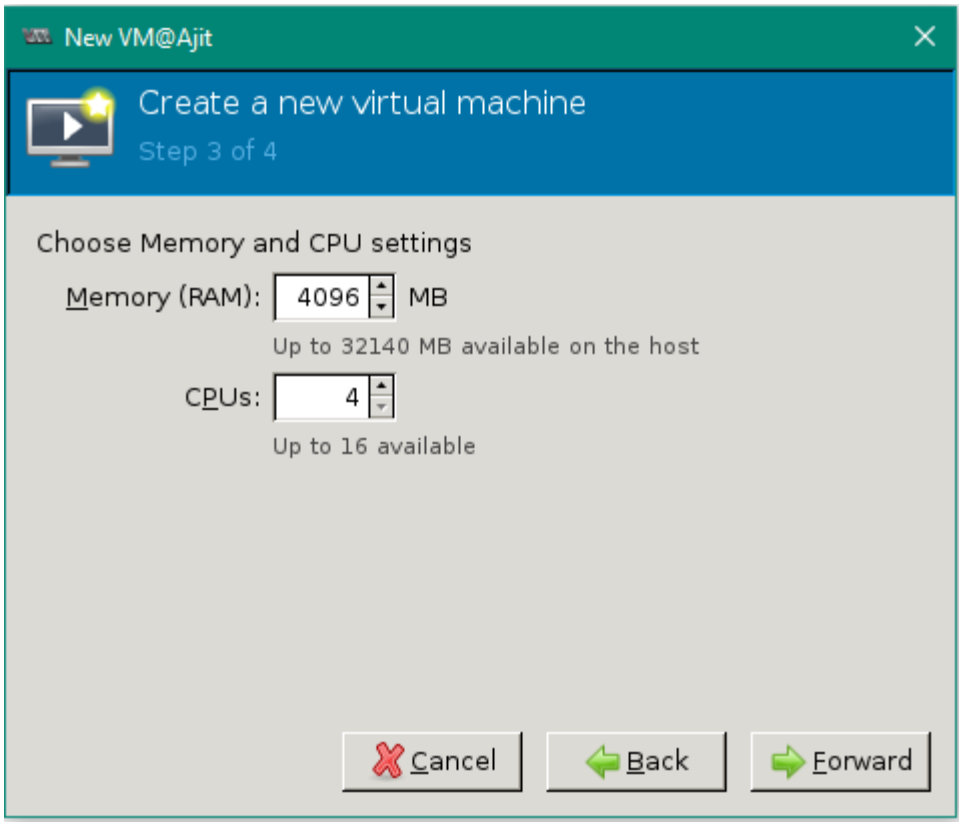
3. Enter the name of the VM, click Import Existing Disk Image, and then click Forward.



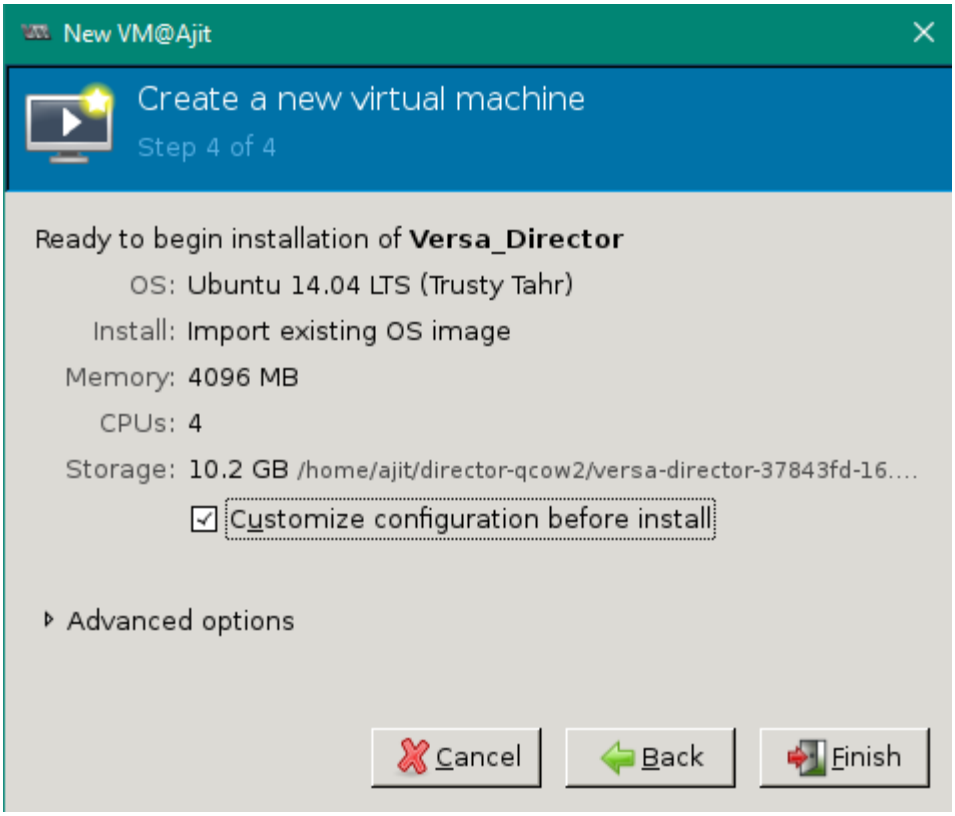
4. Click Browse to select the storage path and the OS type, and then click Forward. Note that the Version field is automatically populated depending on the OS type you select.



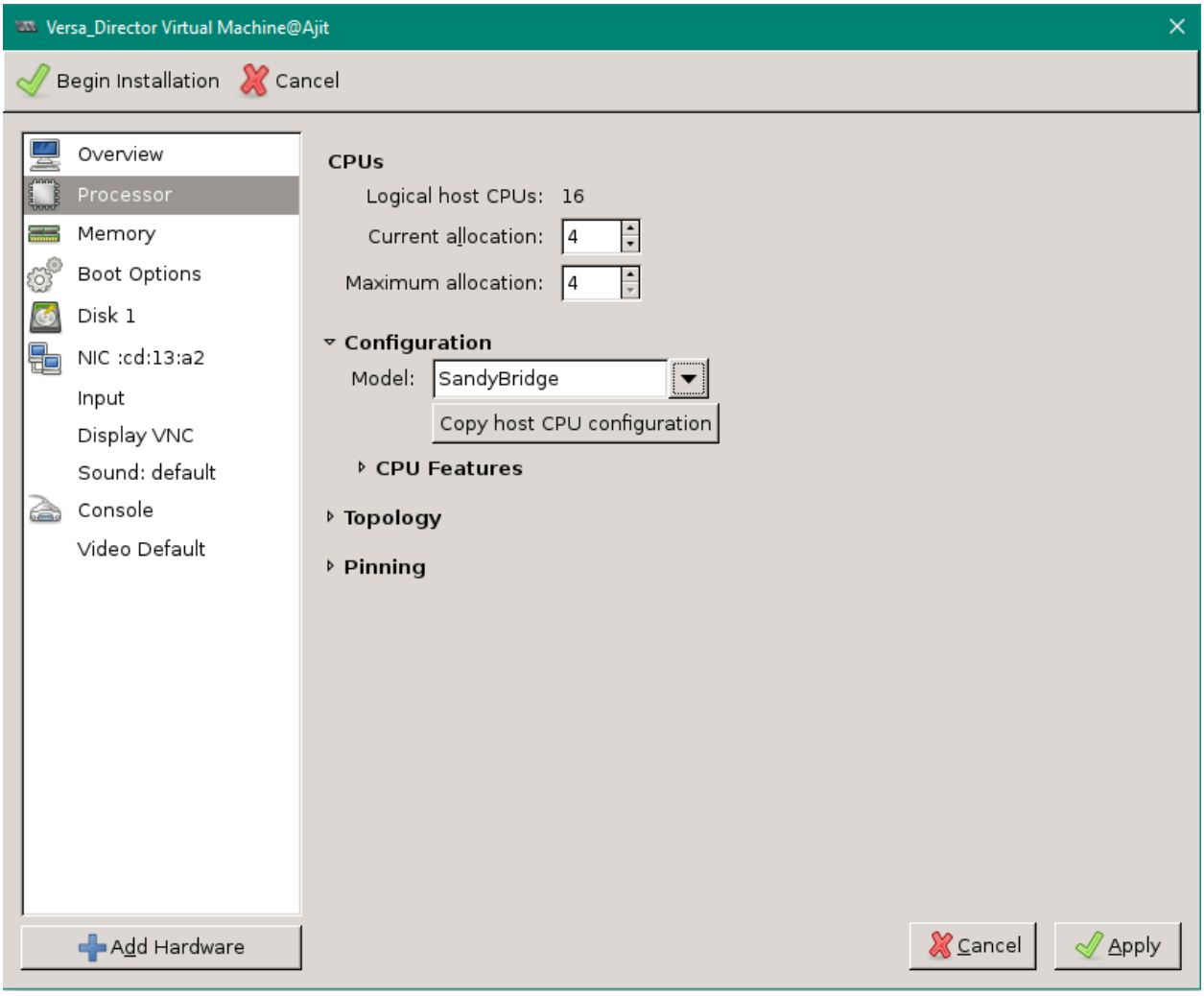
5. Select the amount of memory and number of CPUs for the VM, and then click Forward. Note that the values listed for memory and CPU vary, depending on the deployment scenario.



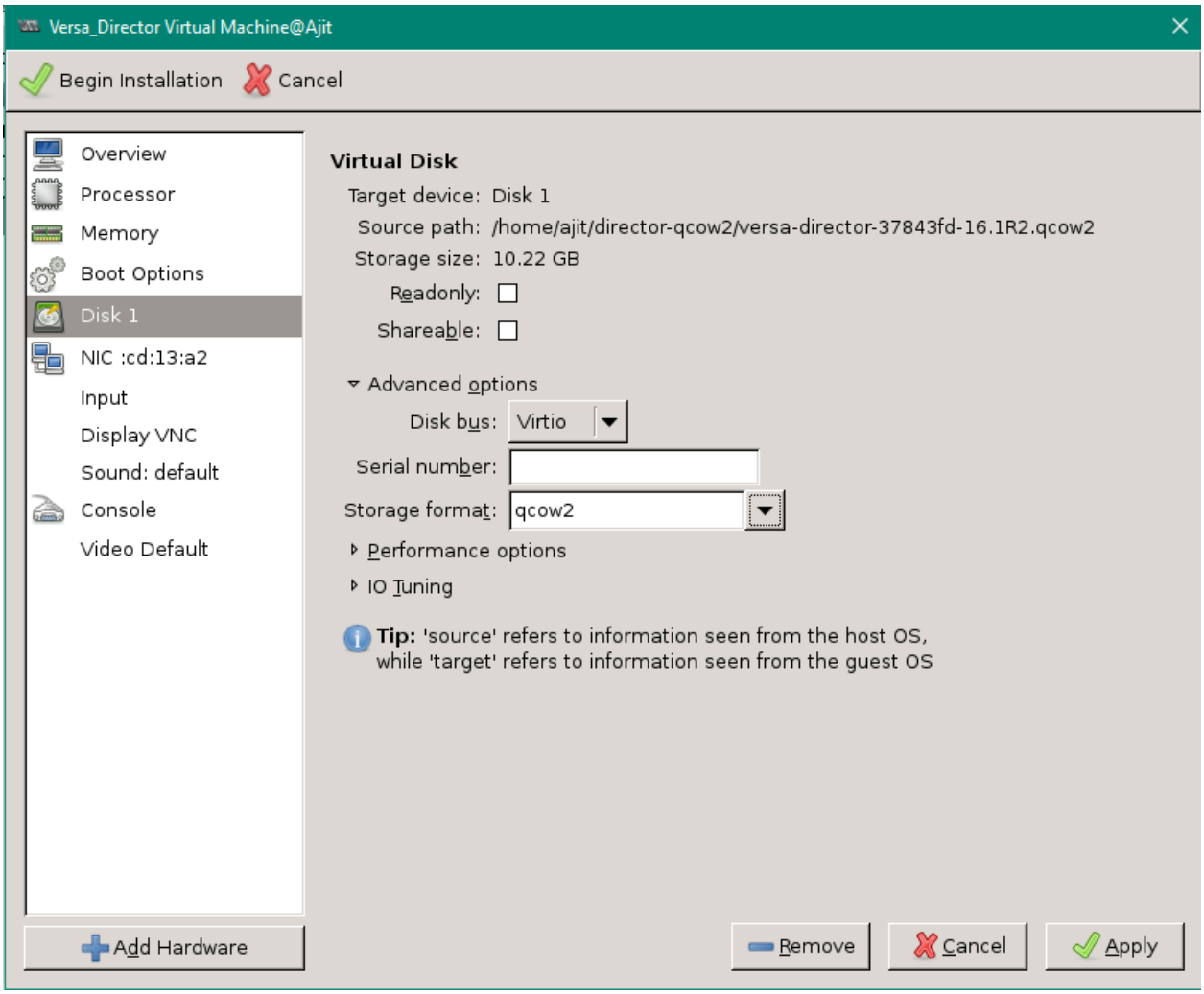
6. Click Customize Configuration Before Install, and then click Finish to create the VM.



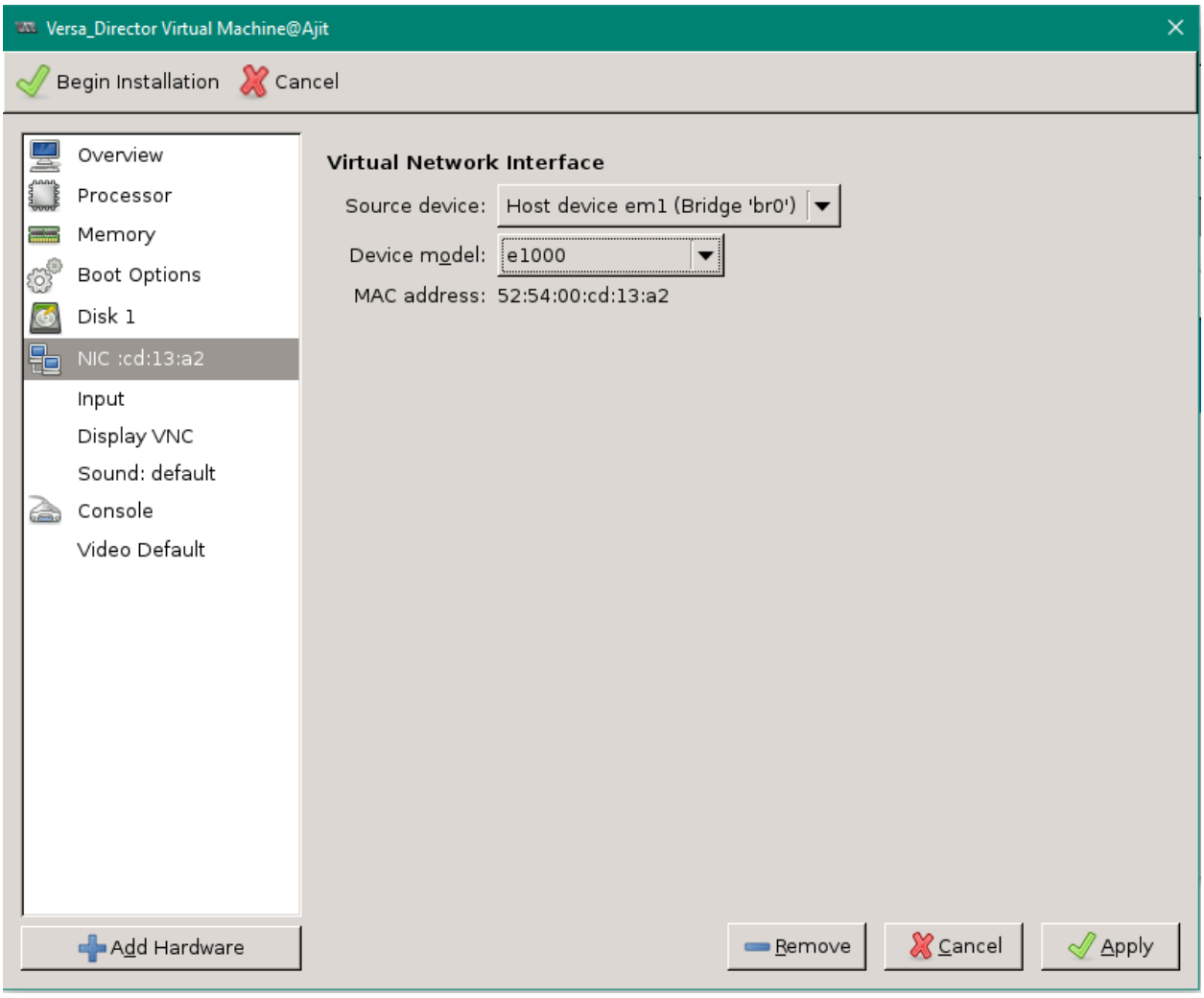
7. In the left navigation bar, select Processor.
    a. In the Configuration field, select SandyBridge in the Model drop-down list.
    b. Click Apply.



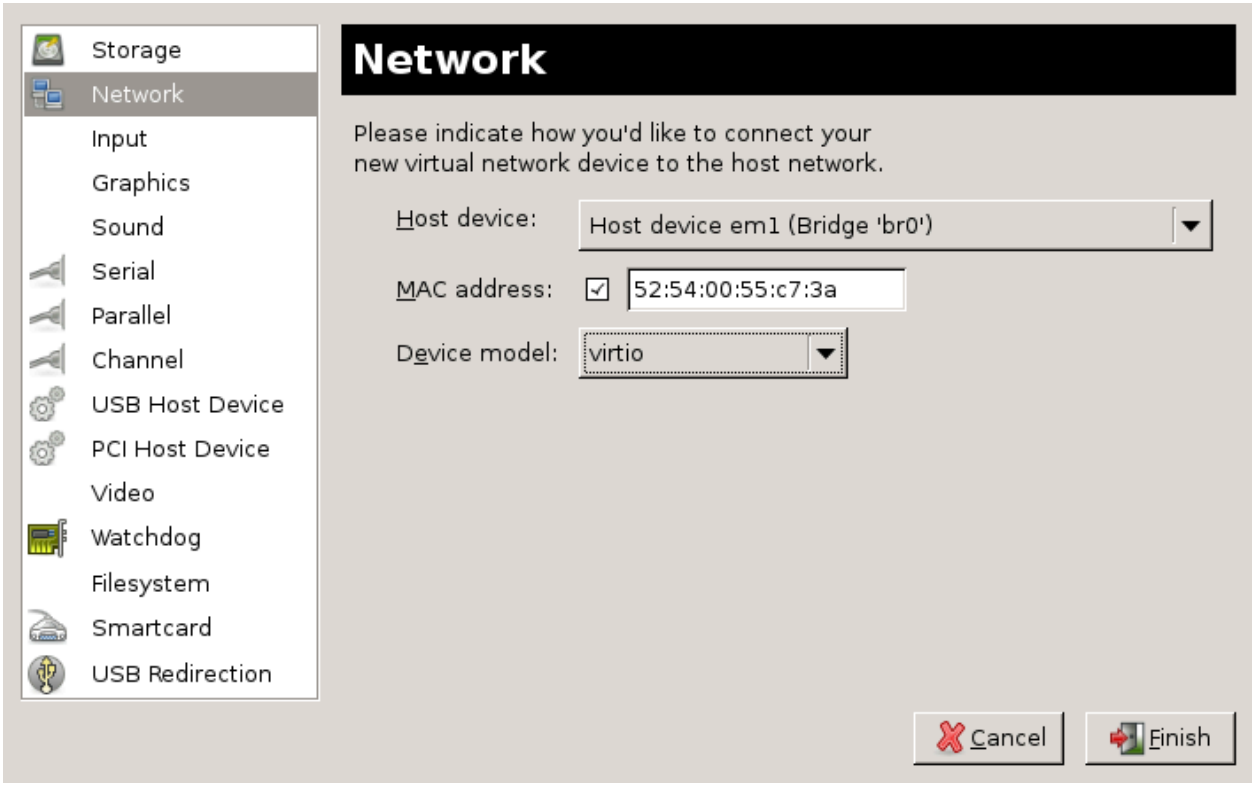
8. In the left navigation bar, select Disk 1.
    a. Click Advanced Options.
    b. In the Disk Bus drop-down list, select Virtio.
    c. In the Storage Format drop-down list, select qcow2.
    d. Click Apply to create the VM instance.



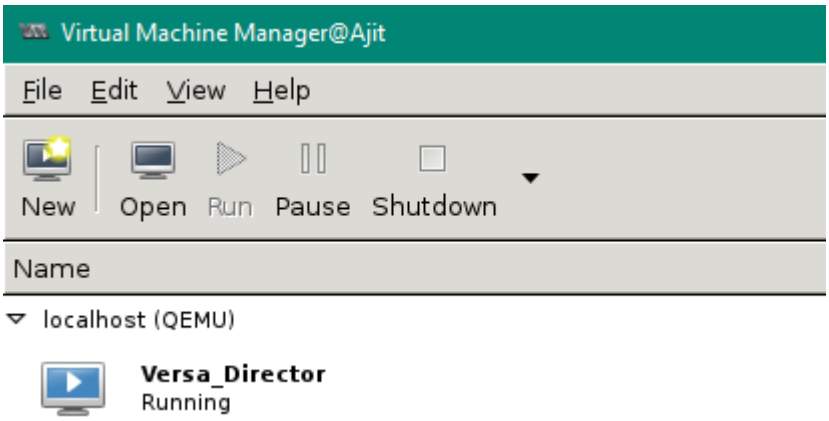
9. In the left navigation bar, select NIC.
    a. In the Source Device drop-down list, select Host Device em1 (Bridge br0).
    b. In the Device Model drop-down list, select e1000.
    c. Click Apply.



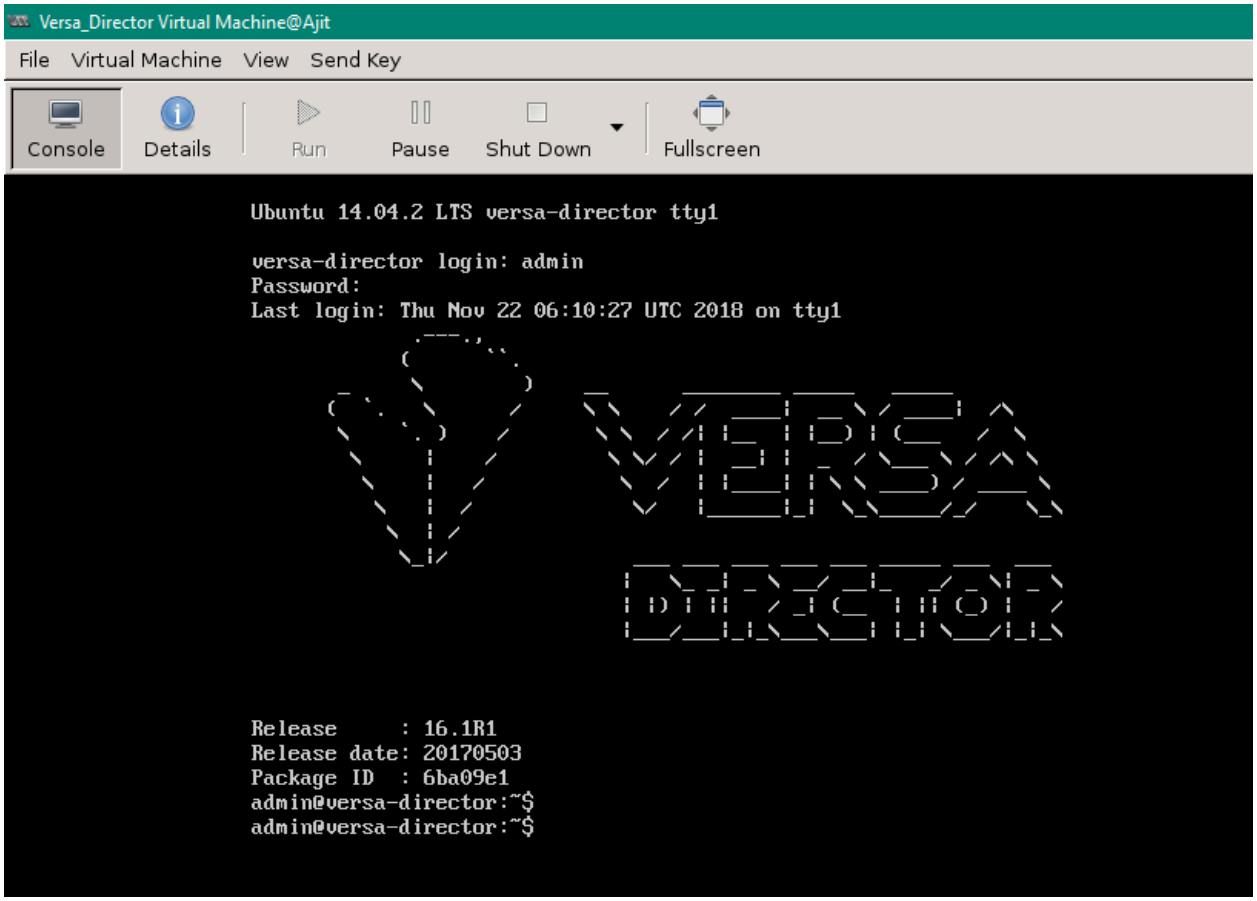
10. Click Add Hardware and select Network option.



11. Click Finish to add or configure the interface.
12. Click Begin Installation to complete the VM installation. The Virtual Machine Manager displays the Versa Director VM and shows that it is running.



13. Log in to Versa Director using the default username (admin) and password (versa123). The Versa Director banner displays on the console.

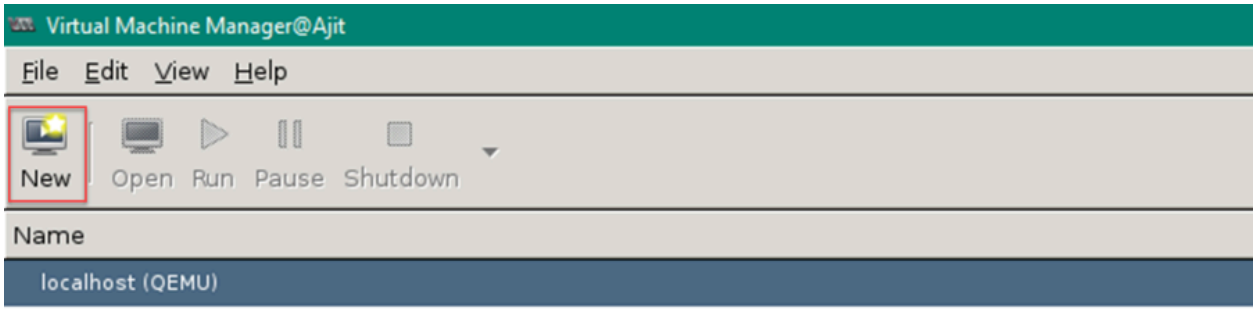


Install Versa Controller on KVM

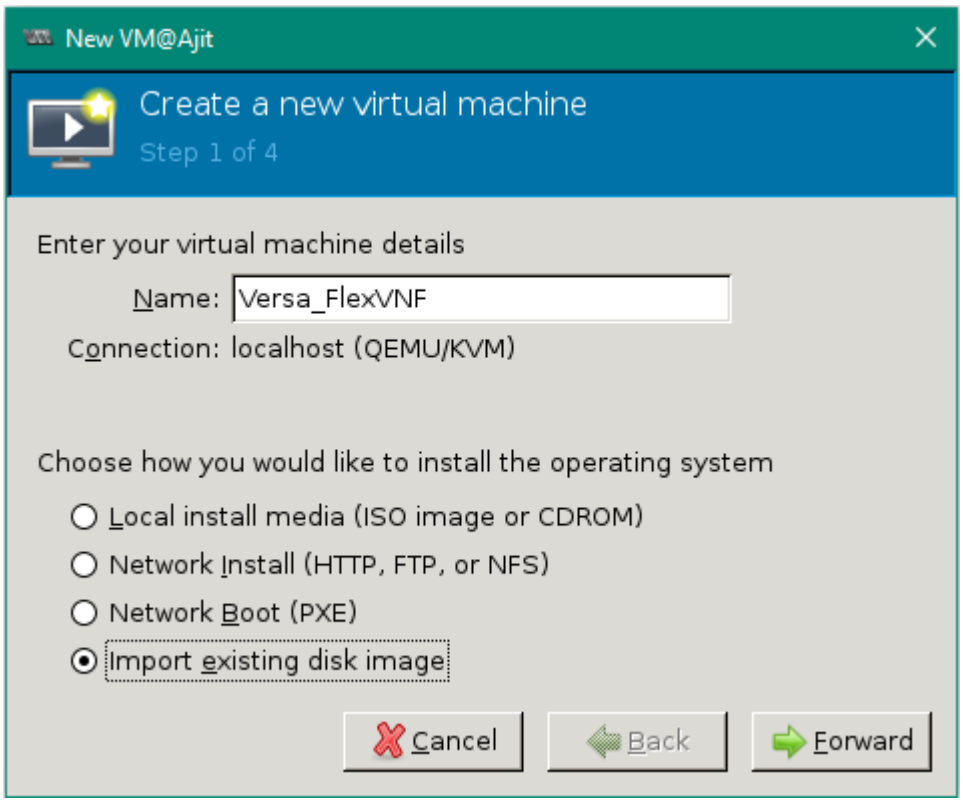
1. Use SSH to connect to the KVM platform.
2. Run the sudo virt-manager shell command. Enter the password when prompted. This opens the Virtual Machine Manager GUI.

```
kvm-host@User:~$ sudo virt-manager
sudo: unable to resolve host User
[sudo] password for kvm-host:
kvm-host@User:~$
```

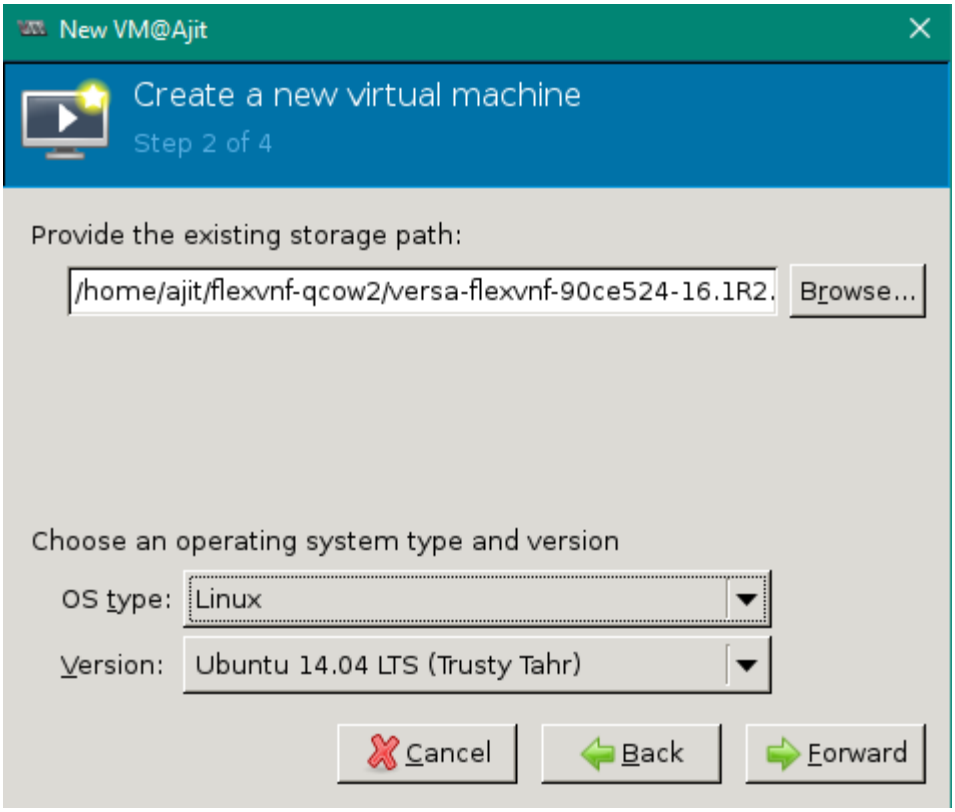
3. Click New to create a new VM.



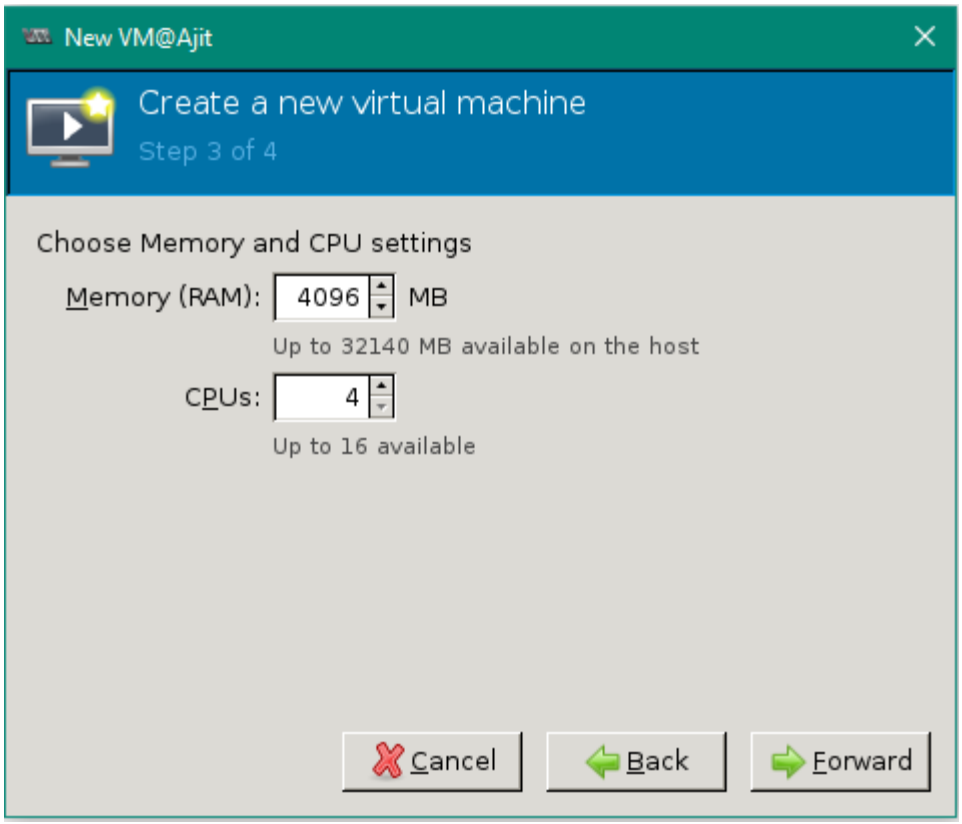
4. Enter the name of the VM, click Import Existing Disk Image, and then click Forward.



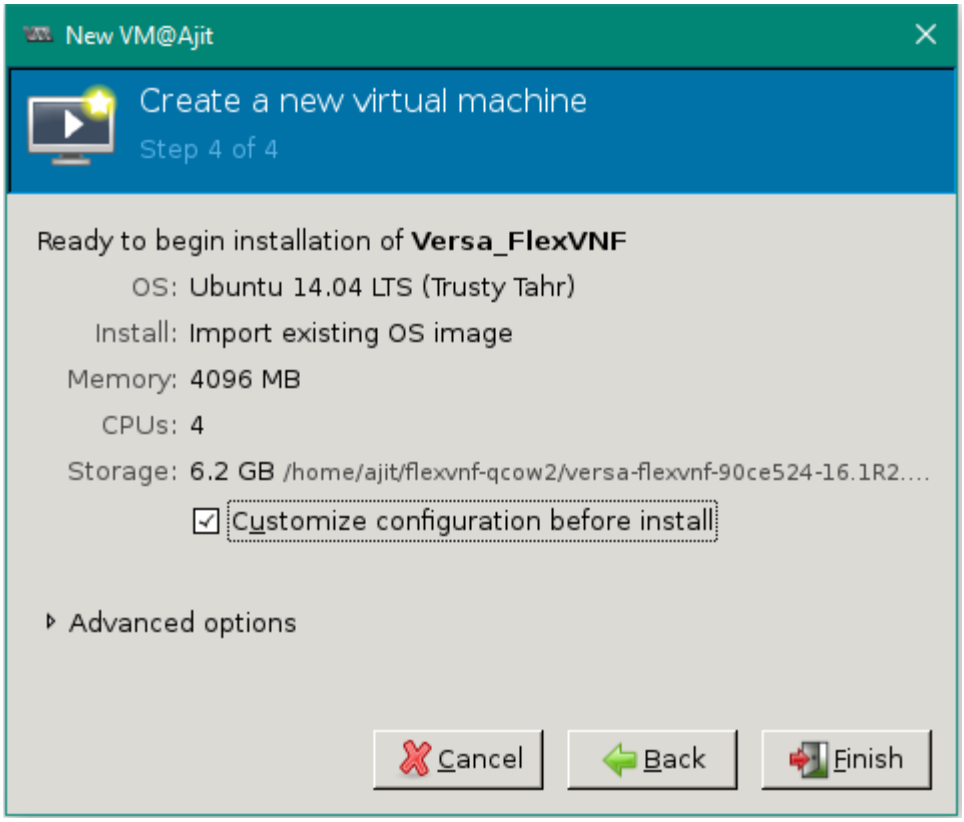
5. Click Browse to select the storage path and the OS type, and then click Forward. Note that the Version field is automatically populated depending on the selected OS type.



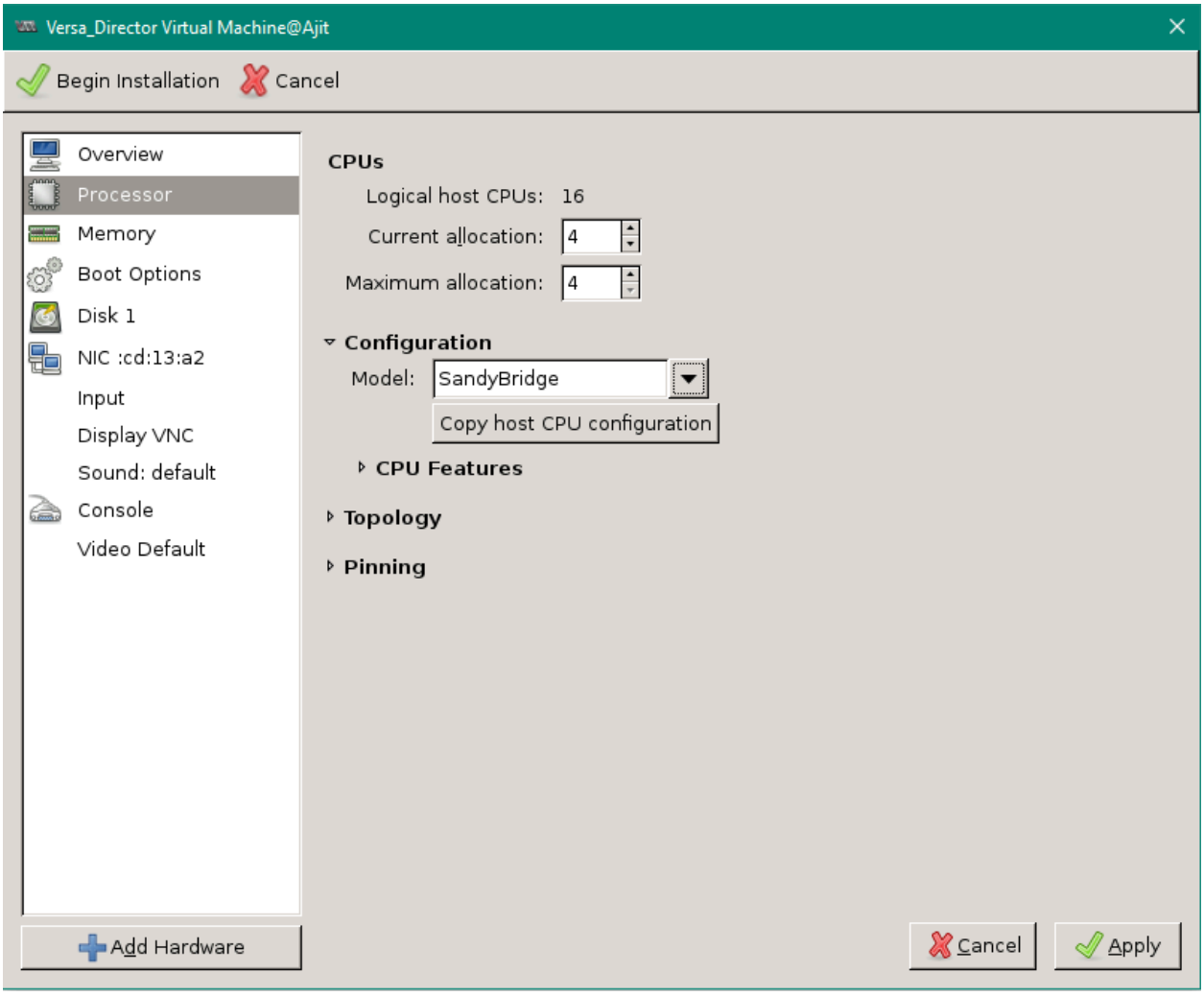
6. Select the amount of memory and number of CPUs for the VM, and then click Forward. Note that the values listed for memory and CPU vary depending on the deployment scenario.



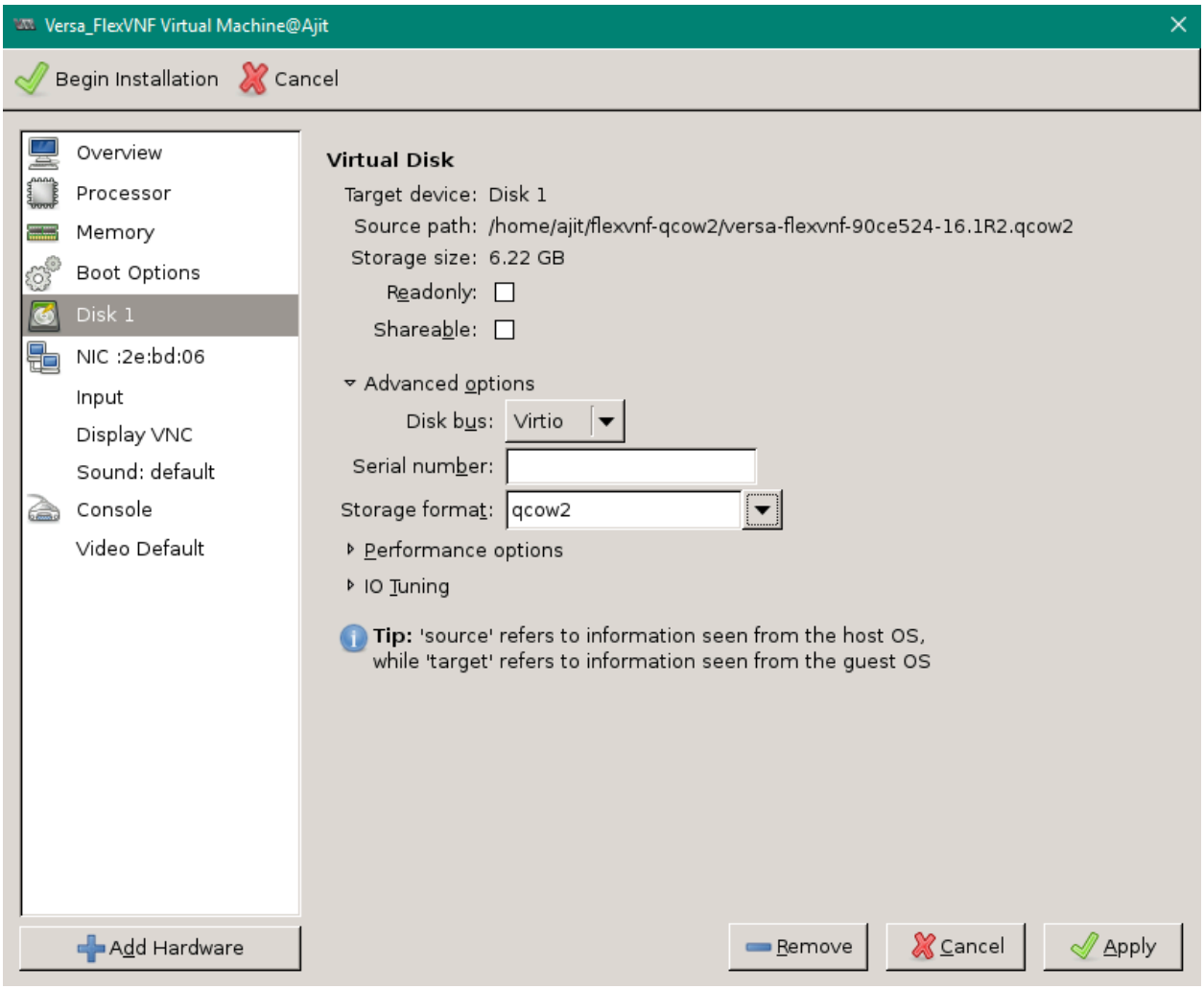
7. Click Customize Configuration Before Install. Then click Finish to create the VM.



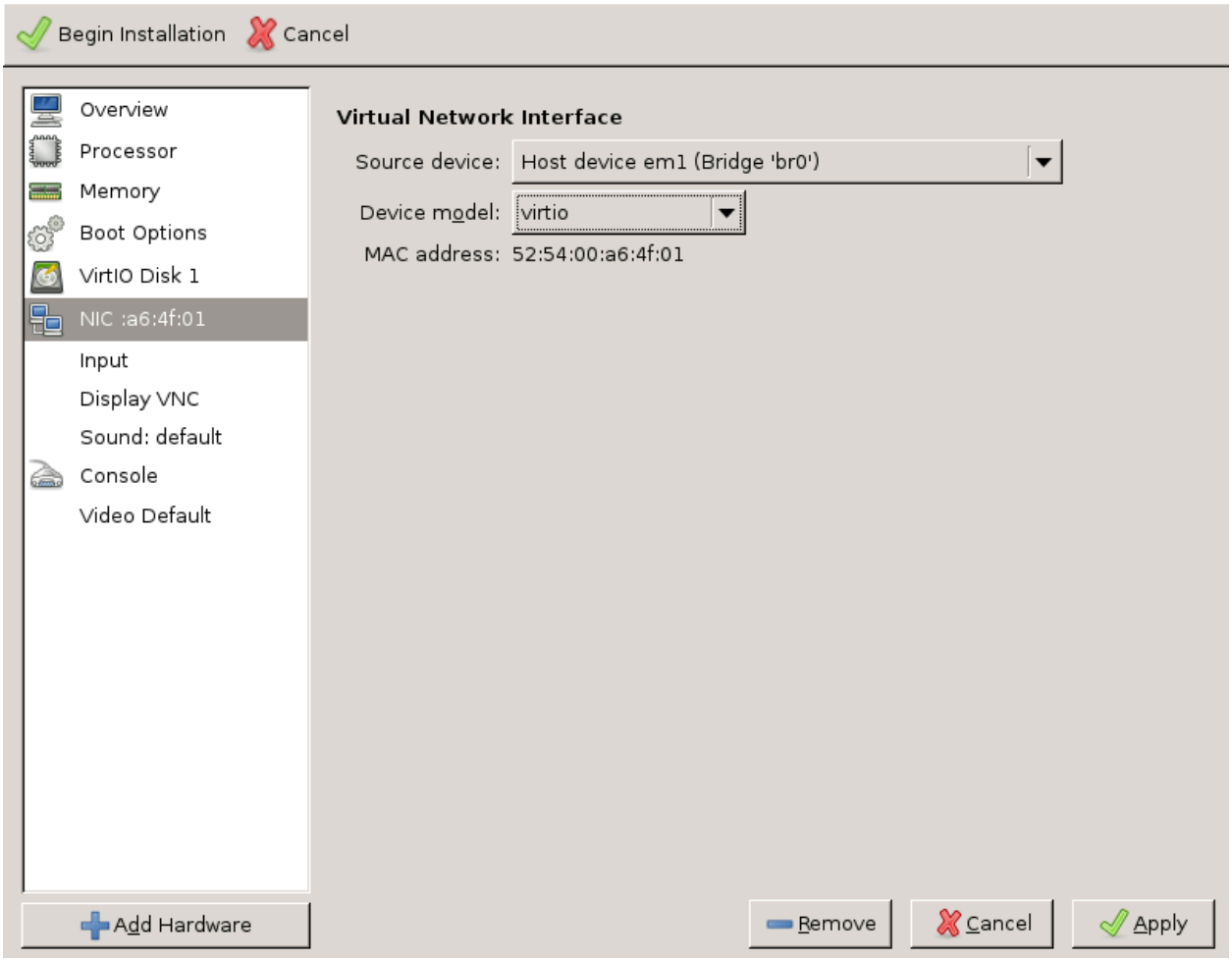
8. In the left navigation bar, select Processor.
    a. In the Configuration field, select SandyBridge in the Model drop-down list.
    b. Click Apply.



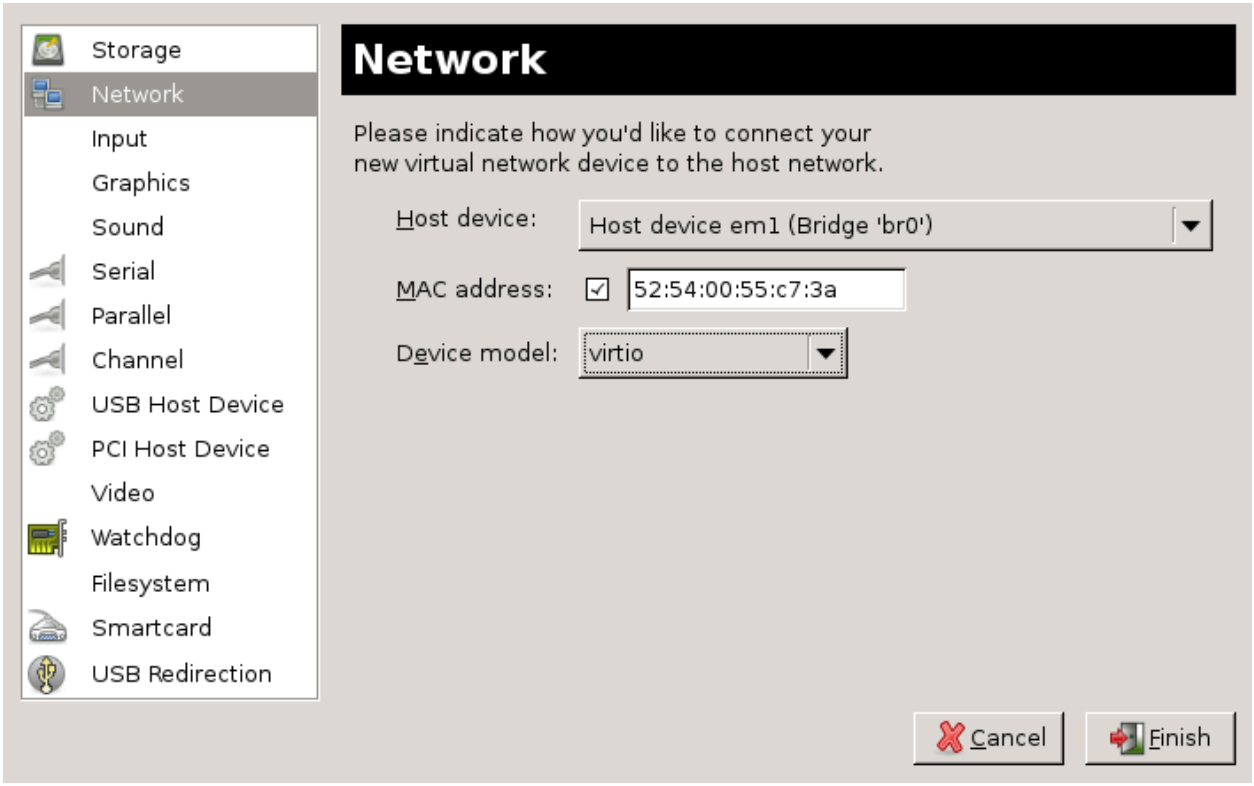
9. In the left navigation bar, select Disk 1.
    a. Click Advanced Options.
    b. In the Disk Bus drop-down list, select Virtio.
    c. In the Storage Format drop-down list, select qcow2.
    d. Click Apply to create the VM instance.



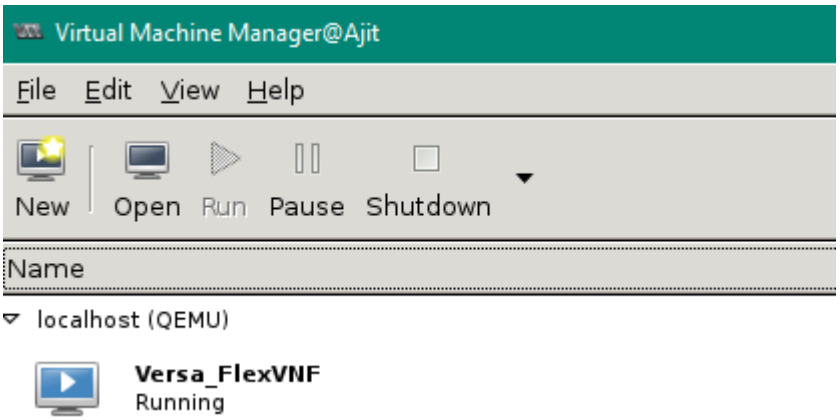
10. In the left navigation bar, select NIC.
    a. In the Source Device drop-down list, select Host device em1 (Bridge br0).
    b. In the Device Model drop-down list, select virtio.
    c. Click Apply.



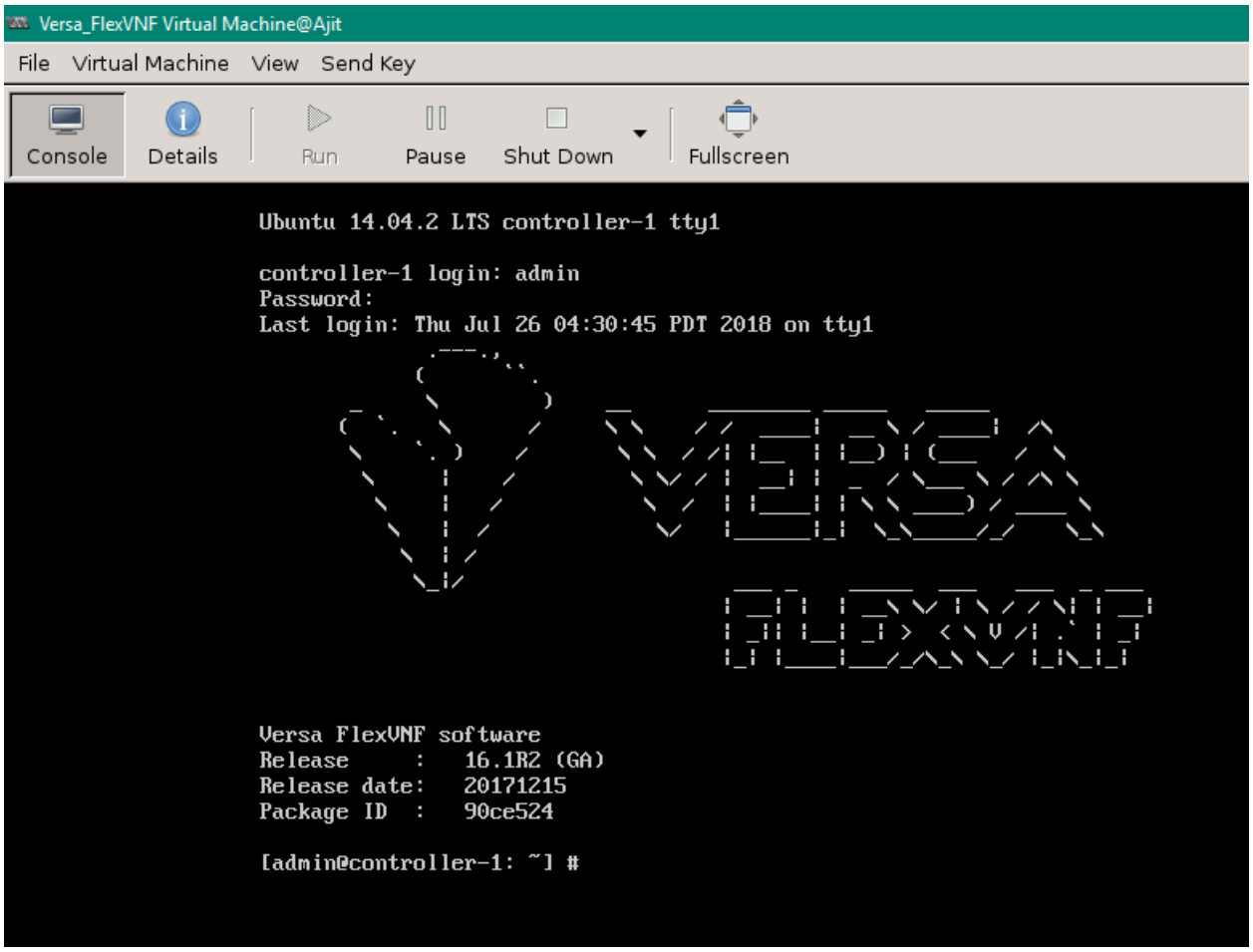
11. Click Add Hardware and select Network option. Then click Finish to add or configure the interface.



12. Click Begin Installation to complete the VM installation. The Virtual Machine Manager displays the Versa Operating System™ (VOS™) VM and shows that it is running.



13. Log in to the VOS device using the default username (admin) and password (versa123). The VOS banner displays on the console.



Supported Software Information

Releases 20.2 and later support all content described in this article.

Additional Information

Hardware and Software Requirements for Headend
Headend Initial Configuration
Headend Overview
Headend Verification