Virtualization

Ubuntu 20.04
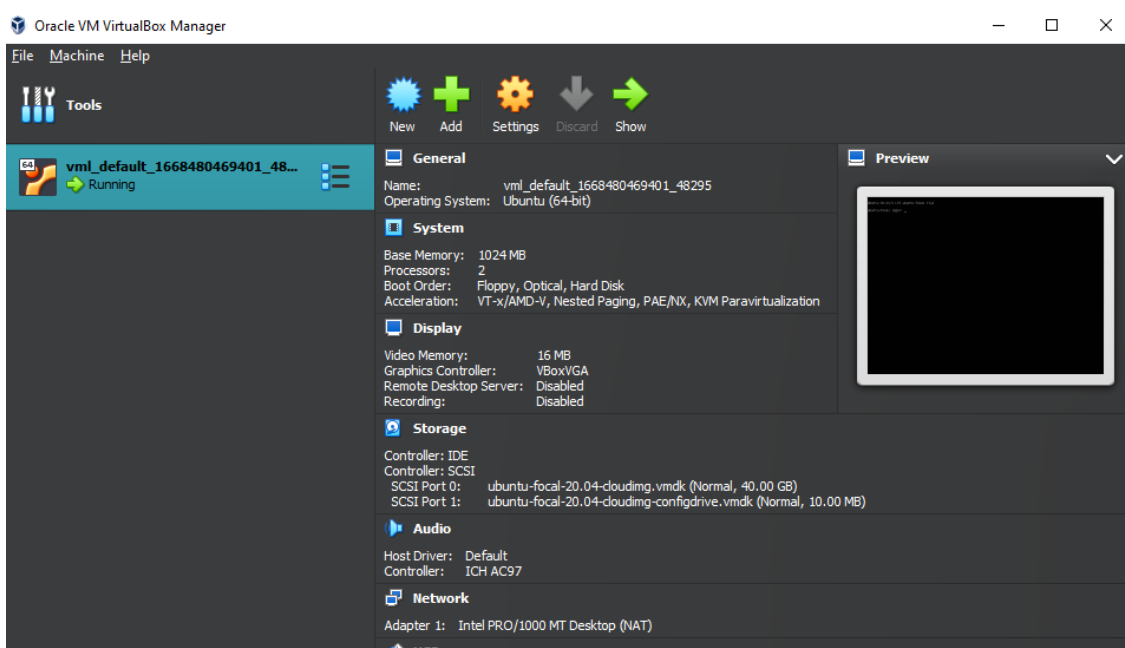


```
G:\vagrant\vml>vagrant -v
Vagrant 2.3.2

G:\vagrant\vml>vagrant box add ubuntu/focal64
==> box: Loading metadata for box 'ubuntu/focal64'
    box: URL: https://vagrantcloud.com/ubuntu/focal64
==> box: Adding box 'ubuntu/focal64' (v20221107.0.0) fo
    box: Downloading: https://vagrantcloud.com/ubuntu/b
Download redirected to host: cloud-images.ubuntu.com
    box:
==> box: Successfully added box 'ubuntu/focal64' (v2022

G:\vagrant\vml>vagrant plugin install vagrant-vbguest
Installing the 'vagrant-vbguest' plugin. This can take
Fetching micromachine-3.0.0.gem
Fetching vagrant-vbguest-0.30.0.gem
Installed the plugin 'vagrant-vbguest (0.30.0)'!

G:\vagrant\vml>vagrant init ubuntu/focal64
A `Vagrantfile` has been placed in this directory. You
ready to `vagrant up` your first virtual environment! P
the comments in the Vagrantfile as well as documentatio
`vagrantup.com` for more information on using Vagrant.

G:\vagrant\vml>vagrant up
Bringing machine 'default' up with 'virtualbox' provide
==> default: Importing base box 'ubuntu/focal64'...
==> default: Matching MAC address for NAT networking...
==> default: Checking if box 'ubuntu/focal64' version '
==> default: Setting the name of the VM: vml_default_16
Vagrant is currently configured to create VirtualBox sy
the `SharedFoldersEnableSymlinksCreate` option enabled.
guest is not trusted, you may want to disable this opti
information on this option, please refer to the Virtual
```

G:\vagrant\vml>vagrant ssh
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.4.0-131-

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/advantage

  System information as of Tue Nov 15 04:17:16 UTC

  System load: 1.56   Processes:
  Usage of /:   4.2% of 38.70GB   Users logged in:
  Memory usage: 21%   IPv4 address for
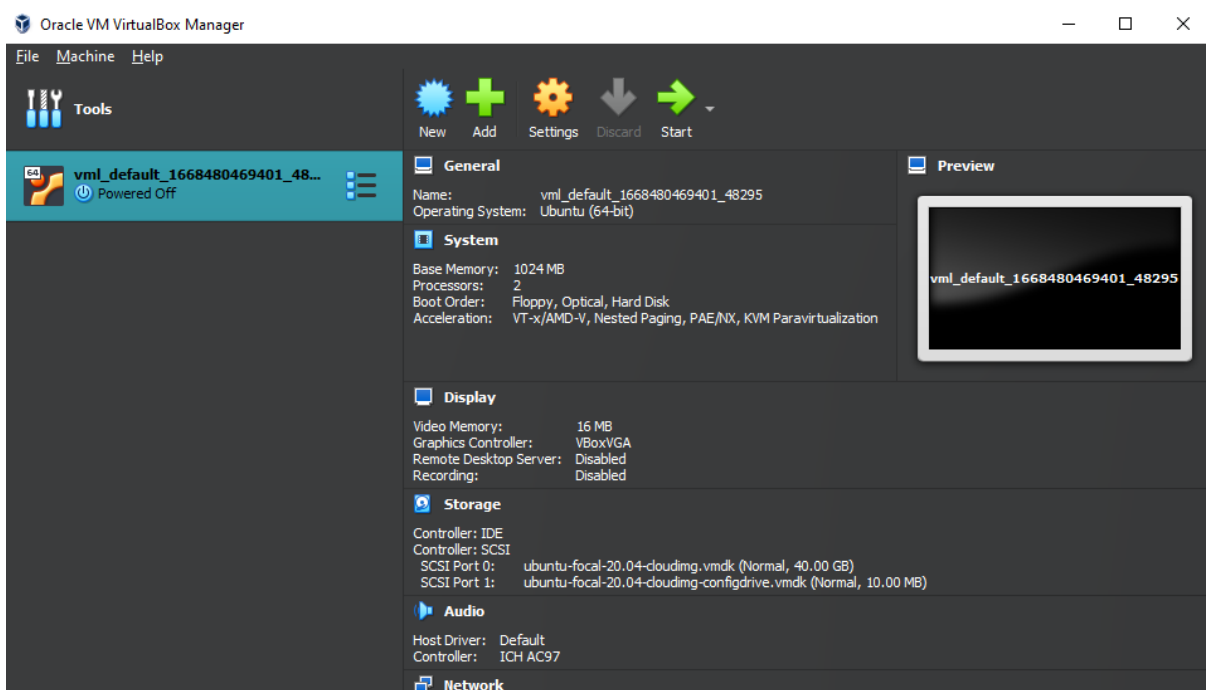 Swap usage: 0%

0 updates can be applied immediately.

New release '22.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Nov 15 03:01:25 2022 from 10.0.2.2
vagrant@ubuntu-focal:~$ cd ../..
vagrant@ubuntu-focal:/$ ls
bin   dev   home lib32 libx32   media opt   ro
boot etc   lib   lib64 lost+found mnt   proc ru
vagrant@ubuntu-focal:/$ exit
logout
Connection to 127.0.0.1 closed.

G:\vagrant\vml>vagrant halt
==> default: Attempting graceful shutdown of VM...
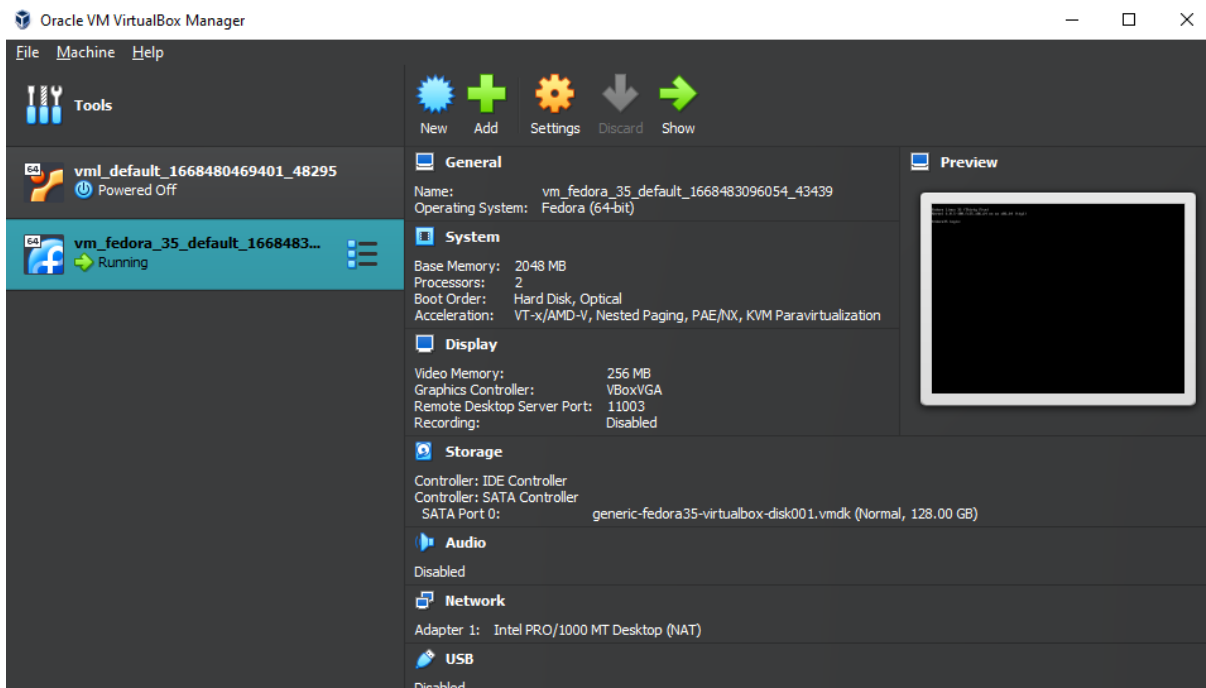
Fedora 35


```
C:\vagrant\vm_fedora_35>vagrant box add generic/fedora35
==> box: Loading metadata for box 'generic/fedora35'
    box: URL: https://vagrantcloud.com/generic/fedora35
This box can work with multiple providers! The providers
can work with are listed below. Please review the list an
the provider you will be working with.

1) hyperv
2) libvirt
3) parallels
4) virtualbox
5) vmware_desktop

Enter your choice: 4
==> box: Adding box 'generic/fedora35' (v4.2.2) for provi
    box: Downloading: https://vagrantcloud.com/generic/bo
    box:
    box: Calculating and comparing box checksum...
==> box: Successfully added box 'generic/fedora35' (v4.2.

C:\vagrant\vm_fedora_35>
C:\vagrant\vm_fedora_35>vagrant init generic/fedora35
A  Vagrantfile  has been placed in this directory. You ar
ready to 'vagrant up' your first virtual environment! Ple
the comments in the Vagrantfile as well as documentation
'vagrantup.com' for more information on using Vagrant.

C:\vagrant\vm_fedora_35>vagrant up
```
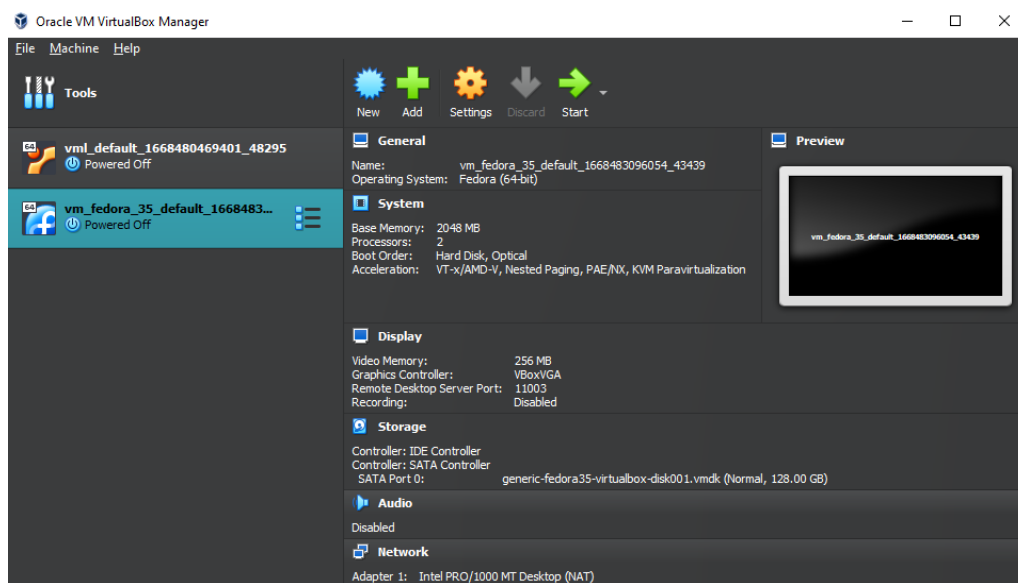
Concepts

Arquitectura de software: Son todos los componentes, la interacción entre ellos, el contexto en el que operan, los patrones y la evolución del software a futuro. Para mejorar la calidad ahorrando tiempo y mejorando el desempeño y facilita la capacidad del sistema en adecuarse y modificarse a nuevas necesidades para el sistema.

Arquitectura empresarial: Identifica los componentes principales de la organización y su relación para conseguir los objetivos de negocio. Integra aspectos de planificación del negocio, aspectos de operación de negocio y aspectos tecnológicos.

La arquitectura de software se relaciona con la arquitectura empresarial en la reducción de costos y un mejor aprovechamiento de las empresas en el uso de los productos de software para cumplir los objetivos de la empresa. Al tener un mejor conocimiento del contexto total tanto de la empresa y de los productos de software.