Instituto Tecnológico de Cancún

Ingeniería en Sistemas Computacionales

Fundamentos de Telecomunicaciones

"Tarea: Instalar una distro de distrowatch.com utilizando Vagrant"

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```
Microsoft Windows [Versión 10.0.19041.508]
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C:\Users\ameri>vagrant
Usage: vagrant [options] <command> [<args>]

    -h, --help                      Print this help.

Common commands:
     autocomplete    manages autocomplete installation on host
     box             manages boxes: installation, removal, etc.
     cloud           manages everything related to Vagrant Cloud
     destroy         stops and deletes all traces of the vagrant machine
     global-status   outputs status Vagrant environments for this user
     halt            stops the vagrant machine
     help            shows the help for a subcommand
     init            initializes a new Vagrant environment by creating a Vagrantfile
     login
     package         packages a running vagrant environment into a box
     plugin          manages plugins: install, uninstall, update, etc.
     port            displays information about guest port mappings
     powershell      connects to machine via powershell remoting
     provision       provisions the vagrant machine
     push            deploys code in this environment to a configured destination
     rdp             connects to machine via RDP
     reload          restarts vagrant machine, loads new Vagrantfile configuration
     resume          resume a suspended vagrant machine
     snapshot        manages snapshots: saving, restoring, etc.
     ssh             connects to machine via SSH
     ssh-config      outputs OpenSSH valid configuration to connect to the machine
     status          outputs status of the vagrant machine
     suspend         suspends the machine
     up              starts and provisions the vagrant environment
     upload          upload to machine via communicator
     validate        validates the Vagrantfile
     version         prints current and latest Vagrant version
     winrm           executes commands on a machine via WinRM
     winrm-config    outputs WinRM configuration to connect to the machine

For help on any individual command run `vagrant COMMAND -h`

Additional subcommands are available, but are either more advanced
or not commonly used. To see all subcommands, run the command
`vagrant list-commands`.
```

```
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     --[no-]color                Enable or disable color output
     --machine-readable          Enable machine readable output
 -v, --version                   Display Vagrant version
     --debug                     Enable debug output
     --timestamp                 Enable timestamps on log output
     --debug-timestamp           Enable debug output with timestamps
     --no-tty                    Enable non-interactive output

C:\Users\ameri> mkdir ubuntu18

C:\Users\ameri> cd .\ubuntu18\
```

```
C:\Users\ameri\ubuntu18>dir
 El volumen de la unidad C es Windows
 El número de serie del volumen es: 88D3-E838

 Directorio de C:\Users\ameri\ubuntu18

05/10/2020  01:09 p. m.    <DIR>          .
05/10/2020  01:09 p. m.    <DIR>          ..
               0 archivos              0 bytes
               2 dirs  674,367,971,328 bytes libres

C:\Users\ameri\ubuntu18>vagrant init nitindas/ubuntu-18
A `Vagrantfile` has been placed in this directory. You are now
ready to `vagrant up` your first virtual environment! Please read
the comments in the Vagrantfile as well as documentation on
`vagrantup.com` for more information on using Vagrant.

C:\Users\ameri\ubuntu18>dir
 El volumen de la unidad C es Windows
 El número de serie del volumen es: 88D3-E838

 Directorio de C:\Users\ameri\ubuntu18

05/10/2020  01:16 p. m.    <DIR>          .
05/10/2020  01:16 p. m.    <DIR>          ..
05/10/2020  01:16 p. m.             3,094 Vagrantfile
               1 archivos          3,094 bytes
               2 dirs  674,365,882,368 bytes libres

C:\Users\ameri\ubuntu18>vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Box 'nitindas/ubuntu-18' could not be found. Attempting to find and install...
    default: Box Provider: virtualbox
    default: Box Version: >= 0
==> default: Loading metadata for box 'nitindas/ubuntu-18'
    default: URL: https://vagrantcloud.com/nitindas/ubuntu-18
==> default: Adding box 'nitindas/ubuntu-18' (v04.04-1593461159) for provider: virtualbox
    default: Downloading: https://vagrantcloud.com/nitindas/boxes/ubuntu-18/versions/04.04-1593461159/providers/virtualbox.box
Download redirected to host: vagrantcloud-files-production.s3.amazonaws.com
Progress: 1% (Rate: 648k/s, Estimated time remaining: 1:13:54)
```

```
C:\Users\ameri\ubuntu18>vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Box 'nitindas/ubuntu-18' could not be found. Attempting to find and install...
    default: Box Provider: virtualbox
    default: Box Version: >= 0
==> default: Loading metadata for box 'nitindas/ubuntu-18'
    default: URL: https://vagrantcloud.com/nitindas/ubuntu-18
==> default: Adding box 'nitindas/ubuntu-18' (v04.04-1593461159) for provider: virtualbox
    default: Downloading: https://vagrantcloud.com/nitindas/boxes/ubuntu-18/versions/04.04-1593461159/providers/virtualbox.box
Download redirected to host: vagrantcloud-files-production.s3.amazonaws.com
    default:
==> default: Successfully added box 'nitindas/ubuntu-18' (v04.04-1593461159) for 'virtualbox'!
==> default: Importing base box 'nitindas/ubuntu-18'...
==> default: Matching MAC address for NAT networking...
==> default: Checking if box 'nitindas/ubuntu-18' version '04.04-1593461159' is up to date...
==> default: Setting the name of the VM: ubuntu18_default_1601927403359_87507
Vagrant is currently configured to create VirtualBox synced folders with
the `SharedFoldersEnableSymlinksCreate` option enabled. If the Vagrant
guest is not trusted, you may want to disable this option. For more
information on this option, please refer to the VirtualBox manual:

  https://www.virtualbox.org/manual/ch04.html#sharedfolders

This option can be disabled globally with an environment variable:

  VAGRANT_DISABLE_VBOXSYMLINKCREATE=1

or on a per folder basis within the Vagrantfile:

  config.vm.synced_folder '/host/path', '/guest/path', SharedFoldersEnableSymlinksCreate: false
==> default: Clearing any previously set network interfaces...
==> default: Preparing network interfaces based on configuration...
    default: Adapter 1: nat
==> default: Forwarding ports...
    default: 22 (guest) => 2222 (host) (adapter 1)
==> default: Booting VM...
==> default: Waiting for machine to boot. This may take a few minutes...
    default: SSH address: 127.0.0.1:2222
    default: SSH username: vagrant
    default: SSH auth method: private key
    default:
    default: Vagrant insecure key detected. Vagrant will automatically replace
    default: this with a newly generated keypair for better security.
    default:
```

```
        default: 22 (guest) => 2222 (host) (adapter 1)
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    default: SSH auth method: private key
    default:
    default: Vagrant insecure key detected. Vagrant will automatically replace
    default: this with a newly generated keypair for better security.
    default:
    default: Inserting generated public key within guest...
    default: Removing insecure key from the guest if it's present...
    default: Key inserted! Disconnecting and reconnecting using new SSH key...
==> default: Machine booted and ready!
==> default: Checking for guest additions in VM...
    default: The guest additions on this VM do not match the installed version of
    default: VirtualBox! In most cases this is fine, but in rare cases it can
    default: prevent things such as shared folders from working properly. If you see
    default: shared folder errors, please make sure the guest additions within the
    default: virtual machine match the version of VirtualBox you have installed on
    default: your host and reload your VM.
    default:
    default: Guest Additions Version: 5.2.8_KernelUbuntu r120774
    default: VirtualBox Version: 6.1
==> default: Mounting shared folders...
    default: /vagrant => C:/Users/ameri/ubuntu18
Vagrant was unable to mount VirtualBox shared folders. This is usually
because the filesystem "vboxsf" is not available. This filesystem is
made available via the VirtualBox Guest Additions and kernel module.
Please verify that these guest additions are properly installed in the
guest. This is not a bug in Vagrant and is usually caused by a faulty
Vagrant box. For context, the command attempted was:

mount -t vboxsf -o uid=900,gid=900 vagrant /vagrant

The error output from the command was:

mount: /vagrant: wrong fs type, bad option, bad superblock on vagrant, missing codepage or helper program, or other error.

C:\Users\ameri\ubuntu18>
```

Oracle VM VirtualBox Administrador

Archivo   Máquina   Ayuda

Herramientas

Nueva   Configuración   Descartar   Mostrar

Ubuntu20
Apagada

ubuntu18_default...
Corriendo

General
Nombre: ubuntu18_default_1601927
          403359_87507
Sistema operativo: Ubuntu (64-bit)

Sistema
Memoria base: 4096 MB
Procesadores: 2
Orden de arranque: Disco duro, Óptica
Aceleración: VT-x/AMD-V, Paginación
                     anidada, PAE/NX,
                     Paravirtualización KVM

Previsualización

Pantalla
Memoria de vídeo: 8 MB
Controlador gráfico: VBoxVGA
Puerto de servidor de escritorio remoto: 5972
Grabación: Inhabilitado

Almacenamiento
Controlador: IDE Controller
  IDE primario maestro: ubuntu-18.04.04-amd64-to-vagrant-disk001.vmdk (Normal, 30.00 GB)

Audio
Inhabilitado

Red
Adaptador 1:   Intel PRO/1000 MT Desktop (NAT)

USB
Inhabilitado

Carpetas compartidas
Carpetas compartidas: 1

Descripción
Ninguno

Símbolo del sistema

Microsoft Windows [Versión 10.0.19041.508]
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Usage: vagrant [options] <command> [<args>]

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Nueva   Configuración   Descartar   Mostrar

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Aceleración: VT-x/AMD-V, Paginación
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                     Paravirtualización KVM

Pantalla
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Controlador gráfico: VBoxVGA
Puerto de servidor de escritorio remoto: 5972
Grabación: Inhabilitado

Almacenamiento
Controlador: IDE Controller
IDE primario maestro: ubuntu-18.04.04-amd64-to-vagrant-disk001.vmdk (Normal, 30.00 GB)

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Previsualización

Símbolo del sistema

    default: Inserting generated public key within guest...
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mount: /vagrant: wrong fs type, bad option, bad superblock on vagrant,

C:\Users\ameri\ubuntu18>vagrant halt
==> default: Attempting graceful shutdown of VM...

C:\Users\ameri\ubuntu18>

Oracle VM VirtualBox Administrador

Archivo   Máquina   Ayuda

Herramientas

Nueva   Configuración   Descartar   Iniciar

Ubuntu20
Apagada

ubuntu18_default_...
Apagada

General
Nombre: ubuntu18_default_160192740335
                     9_87507
Sistema operativo: Ubuntu (64-bit)

Sistema
Memoria base: 4096 MB
Procesadores: 2
Orden de arranque: Disco duro, Óptica
Aceleración: VT-x/AMD-V, Paginación anidada,
                     PAE/NX, Paravirtualización KVM

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Ninguno

Previsualización

ubuntu18_default_160192740335_87507