

Ingeniería en Sistemas Computacionales

Materia: Fundamentos de Telecomunicaciones

Tema: Instalar un Distro en Vagrant

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Fecha De Entrega: 7/Octubre/2020

Horario: 5:00 pm – 6:00 pm

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Windows PowerShell
Prueba la nueva tecnología PowerShell multiplataforma https://aka.ms/pscore6

PS C:\Users\KOTTO-PC> 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`.
--[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

```

Oracle VM VirtualBox Administrador

Archivo Máquina Ayuda

Herramientas

Nueva Configuración Descartar Iniciar

Ubuntu Apagada

General

Nombre: Ubuntu
Sistema operativo: Ubuntu (64-bit)

Sistema

Memoria base: 6323 MB
Orden de arranque: Disquete, Óptica, Disco duro
Aceleración: VT-x/AMD-V, Paginación anidada, Paravirtualización KVM

Pantalla

Memoria de vídeo: 16 MB
Controlador gráfico: VMSVGA
Servidor de escritorio remoto: Inhabilitado
Grabación: Inhabilitado

Almacenamiento

Controlador: IDE
IDE secundario maestro: [Unidad óptica] Vacío
Controlador: SATA
Puerto SATA 0: Ubuntu.vdi (Normal, 20.00 GB)

Audio

Controlador de anfitrión: Windows DirectSound

Previsualización

Ubuntu



09:24 p. m.
10/10/2020

Windows PowerShell

--no-tty

Enable non-interactive output

PS C:\Users\KOTTO-PC> vagrant box

Usage: vagrant box <subcommand> [<args>]

Available subcommands:

add

list

outdated

prune

remove

repackage

update

For help on any individual subcommand run `vagrant box <subcommand> -h`

--[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

PS C:\Users\KOTTO-PC> vagrant box add centos/7

==> box: Loading metadata for box 'centos/7'

box: URL: https://vagrantcloud.com/centos/7

This box can work with multiple providers! The providers that it can work with are listed below. Please review the list and choose the provider you will be working with.

1) hyperv

2) libvirt

3) virtualbox

4) vmware_desktop

Enter your choice: 3

==> box: Adding box 'centos/7' (v2004.01) for provider: virtualbox

box: Downloading: https://vagrantcloud.com/centos/boxes/7/versions/2004.01/providers/virtualbox.box

Download redirected to host: cloud.centos.org

box:

box: Calculating and comparing box checksum...

==> box: Successfully added box 'centos/7' (v2004.01) for 'virtualbox'!

PS C:\Users\KOTTO-PC>

Oracle VM VirtualBox Administrador

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General

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Previsualización

Ubuntu

Nombre: Ubuntu

Sistema operativo: Ubuntu (64-bit)

Memoria base: 6323 MB

Orden de arranque: Disquete, Óptica, Disco duro

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

Memoria de vídeo: 16 MB

Controlador gráfico: VMSVGA

Servidor de escritorio remoto: Inhabilitado

Grabación: Inhabilitado

Controlador: IDE

IDE secundario maestro: [Unidad óptica] Vacío

Controlador: SATA

Puerto SATA 0: Ubuntu.vdi (Normal, 20.00 GB)

Controlador de anfitrión: Windows DirectSound

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```

PS C:\Users\KOTTO-PC> vagrant init centos/7
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.
PS C:\Users\KOTTO-PC> vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Box 'centos/7' could not be found. Attempting to find and install...
    default: Box Provider: virtualbox
    default: Box Version: >= 0
==> default: Loading metadata for box 'centos/7'
    default: URL: https://vagrantcloud.com/centos/7
==> default: Adding box 'centos/7' (v2004.01) for provider: virtualbox
    default: Downloading: https://vagrantcloud.com/centos/boxes/7/versions/2004.01/providers/virtualbox
Download redirected to host: cloud.centos.org
    default:
    default: Calculating and comparing box checksum...
==> default: Successfully added box 'centos/7' (v2004.01) for 'virtualbox'!
==> default: Importing base box 'centos/7'...
==> default: Matching MAC address for NAT networking...
==> default: Checking if box 'centos/7' version '2004.01' is up to date...
==> default: Setting the name of the VM: KOTTO-PC_default_1602387402300_32123
==> 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: 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: No guest additions were detected on the base box for this VM! Guest
    default: additions are required for forwarded ports, shared folders, host only
    default: networking, and more. If SSH fails on this machine, please install
    default: the guest additions and repackaging the box to continue.
    default:
    default: This is not an error message; everything may continue to work properly,
    default: in which case you may ignore this message.
==> default: Rsyncing folder: /cygdrive/c/Users/KOTTO-PC/ => /vagrant

```

Oracle VM VirtualBox Administrador

Archivo Máquina Ayuda

Herramientas

Nueva Configuración Descartar Mostrar

General

Nombre: KOTTO-PC_default_1602387402300_32123

Sistema operativo: Red Hat (64-bit)

Sistema

Memoria base: 512 MB

Orden de arranque: Disquete, Óptica, Disco duro

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

Pantalla

Memoria de vídeo: 16 MB

Controlador gráfico: VBoxVGA

Servidor de escritorio remoto: Inhabilitado

Grabación: Inhabilitado

Almacenamiento

Controlador: IDE

IDE primario maestro: centos-7-1-1.x86_64.vmdk (Normal, 40.00 GB)

Audio

Controlador de anfitrión: Windows DirectSound

Controlador: ICH AC97

Previsualización

10:41 p. m.
10/10/2020

