```
- VAGRANT
  - INSTALL VAGRANT
  - INITIALIZE A PROJECT DIRECTORY:
      & MKDIR VAGRANT_ GETTING _ STARTED
      & CD VAGRANT_GETTING_STARTED
                                                                 Com STORY
       $ VAGRANT INIT HAGHICORP | BIONICGH
  - INSTALL AND SPECIFY A BOX:
      * IF YOU RAN THE INIT COMMAND ABOVE, YOU DO NOT NEED TO ADD A BOX
      & VAGRANT DO BOX ADD HASHICORP / BIONIC 64
                                                                         6. P. W. 17
     · CONFIGURE YOUR PROJECT TO USE IT AS BASE :
      OPEN THE VAGRANTFILE AND REPLACE THE CONTENTS WITH THE FOLLOWING :
         VAGRANT. CONFIGURE ("2") DO (CONFIG)
                                                           your fee july layer th
            CONFIG. YM. BOX = "HASHICOLD/BIONICGH"
         END
      & ECHO CONTENT ABOVE > VAGRANT FILE
      & CAR VAGRANTEILE
  - BOOT AN ENVIRONMENT :
      $ VAGRANT UP
      * KERNEL DRIVER NOT INSTALLED (RC=1908)
      * MAC USERS MIGHT RUN INTO THIS ISSUE, BUT THERE IS A EASY SOLUTION
      UNINSTALL AND REINSTALL YOUR VIRTUALBOX, + ACCESS YOUR SYSTEM PREFERENCES >
      SECURITY & PRIVACY -> ALLOW "ORACLE AMERICA, INC "TO HAVE ACCESS TO YOUR SYSTEM
                              /HOME / VAGRANT
     & VAGRANT SEH
                                           Primary included the service of
     & LOGOUT OR CTEL + D
                                we remove the chart will be the second
     $ VAGRANT DESTROY + Y
     & VAGRANT BOX LIST
    & VAGRANT BOX REMOVE 'NAME' EX: HATHICORP / BIONIC 64
  - SYNCHRONIZE LOCAL AND GUEST FILES :
    $ LS /VAGRANT
   * THE VASRANTFILE IN YOUR VM IS THE SAME AS IN YOUR LOST MACHINE
    $ TOUCH /VAGRANT/FOO
    & EXIT + LOGOUT
    $ L5 VAGRANTFILE FOO
   * NOW YOU CAN SUCCESSENTLY INTERACT WITH YOUR HOST MACHINE VIA SYNCED FOLDERS ON THE GUEST
```

```
-> PROVISION A VIRTUAL MACHINE
  YOU CAN BERVE THE SYNCED FILES INTO A WEBSERVER
  · CREATE A DIRECTORY WHERE APACHE WILL LOOK FOR YOUR CONTENT
  $ MADIR HTML
                                              OFFICE CONTRACTOR SHOW AND
  . CREATE A FILE CALLED HOSEX HIML IN THE NEW DIRECTORY, AND POPULATE IT WITH THE CONTENT !
  ( DOCTOPE HTML)
  (HTML)
                                                        i was as printed that was the district .
     (yaos)
        (HI) GETTING STARTED WITH VAGRANT! (/HI)
                                       where he would be not not seen it was it
     (BOM)
  (HTML)
                                              TO THE SELL OF THE SECOND STATE OF THE PARKS.
  . WRITE A PROVISIONING SCRIPT USING SHELL SCRIPT AND SAVE IT AS BOOTSTRAP SH IN THE SAME
  DIRECTORY AS YOUR VARGANTFILE
                                         Livery of the distribution of the second
                                       restant program " - 102.00, come
    #! /UER/BIN/EN BACH
    APT-GET UPDATE
    APT-GET INSTALL -Y APACHE 2
    IF ! [ -L /VAR / WWW ]; THEN
       RM -RF /VAR/WWW
                                                            : The walking the train
       LN -FE / VAGRANT /VAR/ WWW
    Fi
   X THUS SCRIPT WILL DOWNLOAD AND START APACHE, AND CREATE A SYMLINK BETWEEN YOUR SYNCED
   FILES DIRECTORY AND THE LOCATION WHELE ADA CHE WILL LOOK FOR CONTENT TO BEDIE!
  · CONFIGURE VAGEANT
    VAGRANT. CONFIGURE ("2") DO (CONFIG)
       CONFIG. VM . BOX = "HASHICORD / BIONIC 64"
       CONFIG. VM . PROVISION : SHELL , PATH : "BOOTSTRAP, SH"
    END
  . PROVISION THE WEBSERVER
   & VAGRANT RELOAD -- PROVITION
    & VAGRANT 65H
                                              regular track and paraller make the
   1.0.0. TSI -00- 127.0.0.1
   $ LOGOUT
```

# - CONFIGURE THE NETWORK :

NOW WE'RE GOING TO USE VAGRANT'S NETWORKING FEDTURES TO PROVIDE ACCESS TO THE GUEST MACHINI FROM OUR HOST MACHINE.

· CONFIGURE PORT FORWARDING

VAGRANT. CONFIGURE ("2") DO | CONFIG!

CONFIG. VM. BOX = "HASHICORD | BIONIC 64"

CONFIG. VM. PROVISION : SHELL, PATH: "BOOTETRAP. SH"

CONFIG. VM. NETWORK : FORWARDED - PORT, GUEST: 80, HOST: 4567

END

\$ VAGRANT RELOAD

. ACCESS THE SERVED FILES

ONCE THE MACHINE IS RUNNING AGAIN, LOAD HTTP: 1/127.6.6.1:4567 IN YOUR BROWSER, WHERE YOU WILL FIND A WEBPAGE THAT IS BEING SERVED FROM THE GUEST VIRTUAL MACHINE.

# - SHARE AN ENVIRONMENT :

VAGRANT SHARE IS A DWGN THAT LETS YOU SHARE YOUR VAGRANT ENVIRONMENT TO ANYONE AROUND THE WORLD WITH AN INTERNET CONNECTION . IT WILL GIVE YOU A URL THAT WILL ROUTE DIRECTLY TO YOUR VAGRANT ENVIRONMENT FROM ANY DEVICE.

\* NOT PRODUCTION - LEVEL TRAFFIC ; ONLY SLARE DEVELOPMENT OR OIA ENVIRONMENTS

· PRECEQUISITES : INSTALL NOROK

! "NGROK" CHINOT BE OPENED BECQUE IT IS FROM AN UNDENTIFIED DEVELOPER .

SYSTEM PREFERENCES > SECURITY & PRIVACY > ALLOW "NGROK"

#### NGROK STEPS :

- (1) UNZIP TO INSTALL OR RUN . EXE TILE SUDO NOM INSTALL -G NGROK 3 UNZIP IPATH TO MOROK. ZIP
- (2) COMMECT TO YOUR ACCOUNT

. | MGROK AUTH TOKEN (YOUR \_ PROTH\_TOKEN) ! YOU MUST SIGNUD TO NGROW TO HAVE A NUTH TOKEN

13) FIRE IT UP

. | NORDH HELP

. | MEDOK HITP 80 / TO START A HITP HOWEL ON PORT 80

#### . INSTALL THE PLUGIN

\$ INSTALL VAGRANT PLUGIN INSTALL VAGRANT GHARE

& VACRANT SHARE ODY USE OUTPUT

THE URL IS ROUTING DIRECTLY INTO YOUR VAGRANT ENVIRONMENT

\$ AC

# - TEARDOWN AN ENVIRONMENT:

NOW THAT YOU'VE EXPLORED YOUR DEVELOPMENT ENVIRONMENT, IT IS TIME TO STOP, SHUT DOWN, OND FINALLY DESTROY THE ENVIRONMENT.

## · SUSPEND THE MACHINE

- \$ VAGRANT EUSPEND I WILL STOP AND SOVE ITS WRIGHT RUNNING! STATE
- & VAGRANT UP

#### · HALT THE MACHINE

\$ VAGRANT HALT / WILL GRACEFULLY SHUT DOWN THE GUEST OF AND POWER DOWN GHEET MACHINE

" A SECTION OF THESE , ASSESS TO DESCRIPTIONS AND A SECOND

Boll Day, was to place his or farme (1,

All the state of the state of the state of

a relation the an interest for

& VAGRANT UP

#### . BESTROY THE MACHINE

\$ VAGRANT DESTROY / WILL REMOVE ALL TRACES OF THE GUEST MACHINE FROM YOUR SYSTEM . IT'U

> YES STOP THE GUEST PARCHINE, POWER IT DOWN, AND RECLAPM ITS DISK SPACE & RAN

## - REBUILD ON ENVIRONMENT:

TO START A BOX OF ANY TIME, RUN:

\$ VAGDANT UP

## - EXPLORE OTHER PROVIDERS:

IN THESE TOTORIOLS, YOUR PROJECT WAS BACKED WITH VIRTUAL BOK, BUT VAGRANT CON WORK WITH A VARIETY OF BACKERD PROVIDERS, SUCH AS VINWARE, HYPER-V, AND MORE.

. BOOT WITH THE NEW PROVIDER

\$ VAGRANT UP -- PROVIDER = UMWARE DESKTOP IND NEED TO MODIFY YOUR VAGRANT FILE