VAGRANT USAGES FOR UP AND RUNNING **SIN-MANAGER APP** ON A WINDOWS MACHINE

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VAGRNT INSTALLATION IN WINDOWS 2008 SERVER :

1. Disable the Hyper-v service If installed (reboot the server after uninstall)

CONFIGURING THE VM FOR FIRST TIME IN A HOST MACHINE:
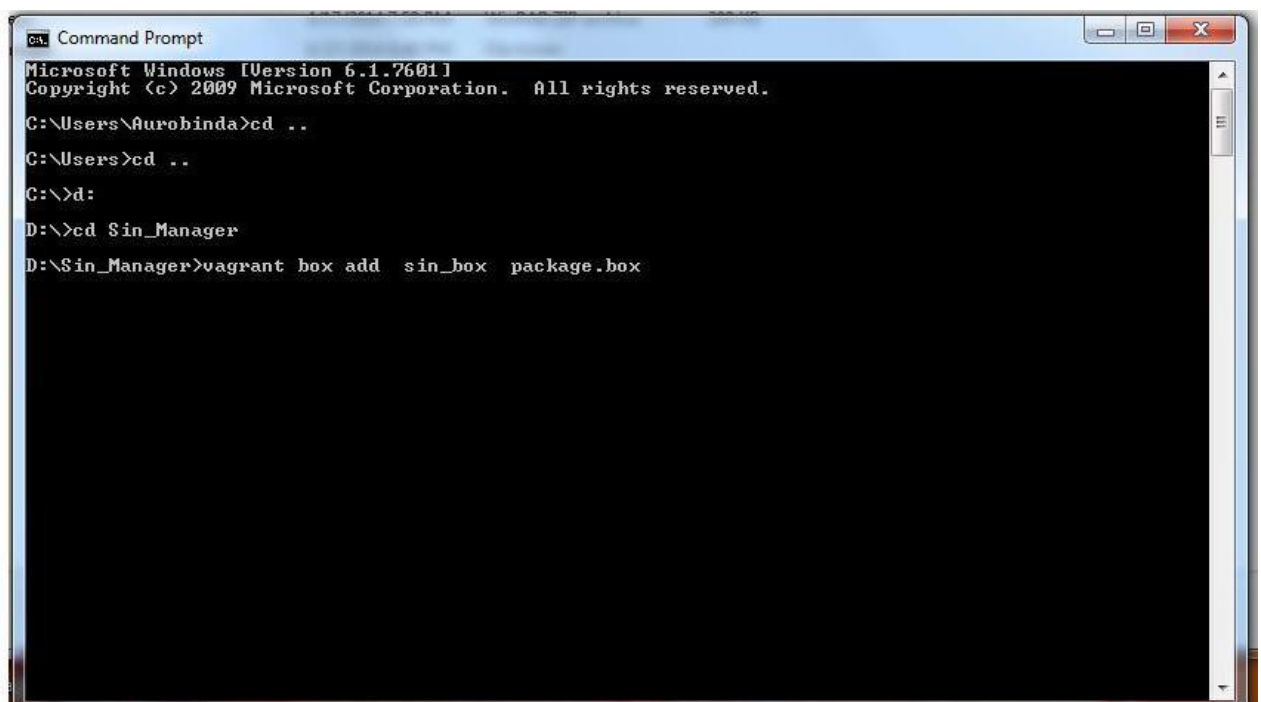
REQUIREMENTS

- Windows OS – XP and above
- VirtualBox
- Vagrant
- Putty client

INSTALLING OF THE REQUIRED TOOLS

1. Install SIN Manager vagrant box from the shared Dropbox URL (https://www.dropbox.com/s/vccra9crcfgtorl/package.box)
2. Install VirtualBox installing **Run as Administrator** (If not installed)
3. Install Vagrant - http://www.vagrantup.com/downloads.html

   Please note: You may need to set the environment path of VirtuaBox. Guide for this is http://www.computerhope.com/issues/ch000549.htm
4. Reboot the System
5. Create a folder "**Sin_Manager**" in any of your drive & download the "**package.box**" file here
6. Open command prompt and navigate to the folder "**Sin_Manager**"

```
Command Prompt

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation.  All rights reserved.

C:\Users\Aurobinda>cd ..

C:\Users>cd ..

C:\>d:

D:\>cd Sin_Manager

D:\Sin_Manager>vagrant box add  sin_box  package.box
```

In command prompt type the below commands and execute one after another

```
1. vagrant box add sin_box package.box
2. vagrant init sin_box
3. vagrant up
4. vagrant ssh
```
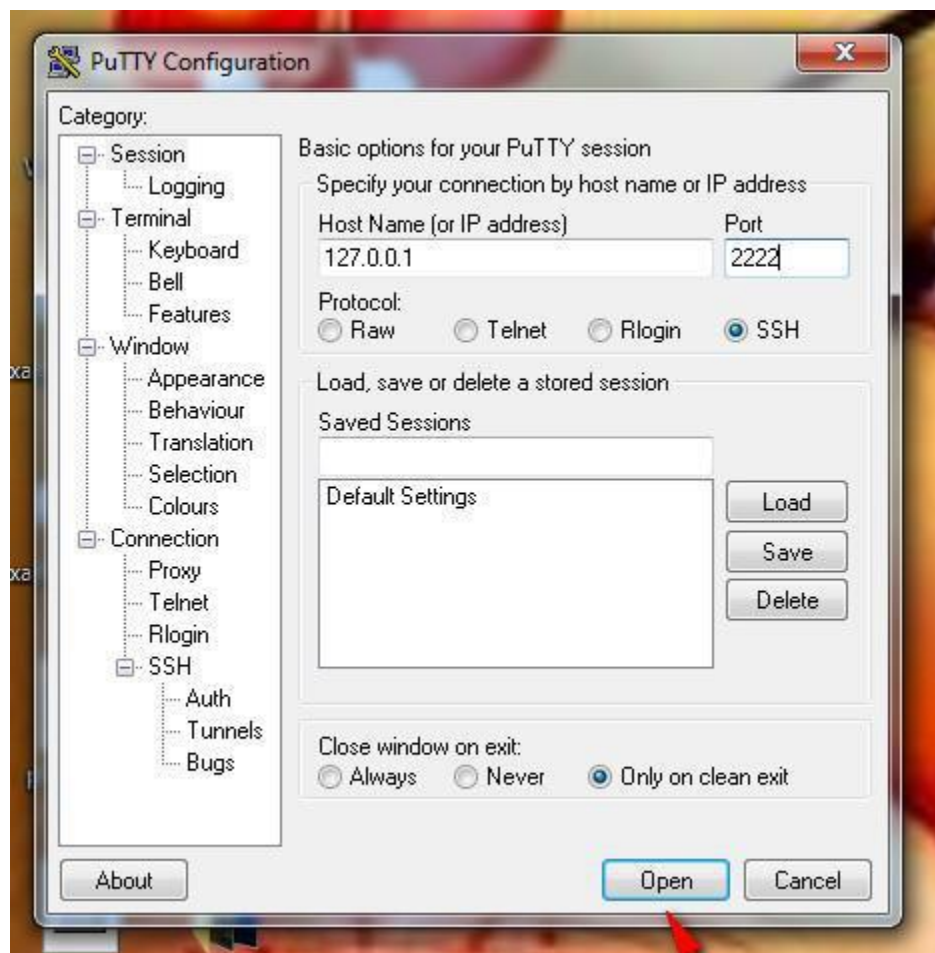
SSH to the VM box through Putty client

Host Name – 127.0.0.1
Port – 2222
Protocol – SSH
Click on the "**Open**" button as described below

In the terminal use the credentials below

Username- vagrant

Password- vagrant

After login the SSH, navigate to the folder as below

```
cd /var/www/sin/
```

Do the bundle install by typing the following command

```
bundle install
```

Give permission to the folder

```
sudo chmod  -R 777 /var/www/sin/
```

Run the app server

```
puma -e development –d
```

GETTING THE IP ADDRESS

In Command prompt type: *ipconfig*

View the IPADDRESS and browse this on a URL, we will find the SIN Manager app will be running.

Example: browse *localhost* or *http://192.168.2.102*

TROUBLESHOOT IF THE APPLICATION IS NOT RUNNING IN BROWSER

- Open hosts file by typing: sudo vi /etc/hosts and add the below lines

```
127.0.0.1      localhost
127.0.0.1      precise32
127.0.1.1      localhost
127.0.1.1      precise32
```

- To save the file , press **"esc"** key then press **"shift"** key along with **":"** and type *wq* then press enter key

Then, change the **sin.conf** file by using the following procedure.

- Open sin.conf file by typing

```
$ sudo vi /etc/apache2/sites-available/sin.conf
```

- Then, change the port number value next to VirtualHost that is **<VirtualHost*:80>** to **<VirtualHost*:81>**

Example:
```
<VirtualHost *:81>
    ServerName localhost
    DocumentRoot /var/www/sin/public
   #PassengerEnabled off
    ProxyPass / http://127.0.0.1:9292/
    ProxyPassReverse / http://127.0.0.1:9292/
 </VirtualHost>
```

- To save the file , press **"esc"** key then press **"shift"** key along with **":"** and type **wq** then press enter key

Open the ports.conf file

- Open ports.conf file by typing

  $ sudo vi /etc/apache2/ports.conf

- Then add the following lines to it after the line **NameVirtualHost *:80**
  ```
  NameVirtualHost *:81
  Listen 81
  ```
- To save the file , press **"esc"** key then press **"shift"** key along with **":"** and type **wq** then press enter key

After that open the "Sin_Manager" folder which we have created earlier.

- Then, open the Vagrant text file in notepad and add the below lines to it

  config.vm.network :forwarded_port, guest: 81, host: 81

Then, save the file.

Open command prompt and navigate to the "**Sin_Manager**" folder.

Then type the below command

  Vagrant reload

  Vagrant ssh

Now login through putty and start sin application as mentioned previously in this guide.

SHUTTING DOWN THE VM

- Type the following command in the ssh terminal to exit from the putty
  exit

- Open command prompt and navigate to the folder "**Sin_Manager**"

- Type the following command to know the VM

  `vagrant status`

- If the VM state is running type the following command to save the VM state and shutdown the box

  `vagrant suspend`

- Now the VM box state is saved and powered off

- Exit from the command prompt

TO UP AND RUN THE VM BOX NEXT TIME

- Open command prompt and navigate to the folder "*Sin_Manager*"

- Type the following command to know the VM status `vagrant status`

- If the VM state is powered off type the following command to up the VM state `vagrant up`

- Check the previously run URL in the browser

TROUBLESHOOT GUIDE

Check the previously run URL in the browser. If the SIN Manager app is not running do the following steps

- Open command prompt and navigate to the folder "*Sin_Manager*"

- Type the following command to know the VM status `vagrant status`

- If the VM state is running type the following command to do a ssh

  `vagrant ssh`

- SSH to the VM box through Putty client as described above. **Do only login**.

- Check the IP address by typing the command as below `ifconfig`

- View the IPADDRESS like: `localhost` or `localhost:81` or `192.168.1.102` or `192.168.2.102:81` and browse on this on a URL, the SIN Manager app will be running.