

## CREATEBEST – Installing Mac OS on a Windows PC

### Prerequisite for Module 4, IOS Development.

To develop iOS Apps on a Windows PC, you will need a Mac OS. If you have a PC running Windows, you have the two following options:

1. Use VirtualBox and Install Mac OS on Your Windows PC

~~2. Rent a Mac in the Cloud: <http://www.macincloud.com/>~~

~~3. Build Your Own “Hackintosh”~~

In this document, we will explore option 1.

Installing MAC OS X on non- Apple hardware is a bit tiresome and complicated. This is an easy guidebook, Install OS X El Capitan on VirtualBox on PC. AVirtualBox is a program over which you can install and eventually run OS X (or any other OS) with Intel-based and AMD processor.

1. Download and Install VirtualBox5.

<http://download.virtualbox.org/virtualbox/5.1.22/VirtualBox-5.1.22-115126-Win.exe>

2. Download a copy of Mac OS Sierra from my Google Drive:

<https://drive.google.com/file/d/0B4N8Fabbku3nN1xMER4eFRSVXM/view?usp=sharing>

The file name is ‘macOS 10.12 Sierra Final by TechReviews.vmdk’

3. Open VirtualBox and Click on **New**

4. **Create Virtual Machine** with the following values: (see image below)

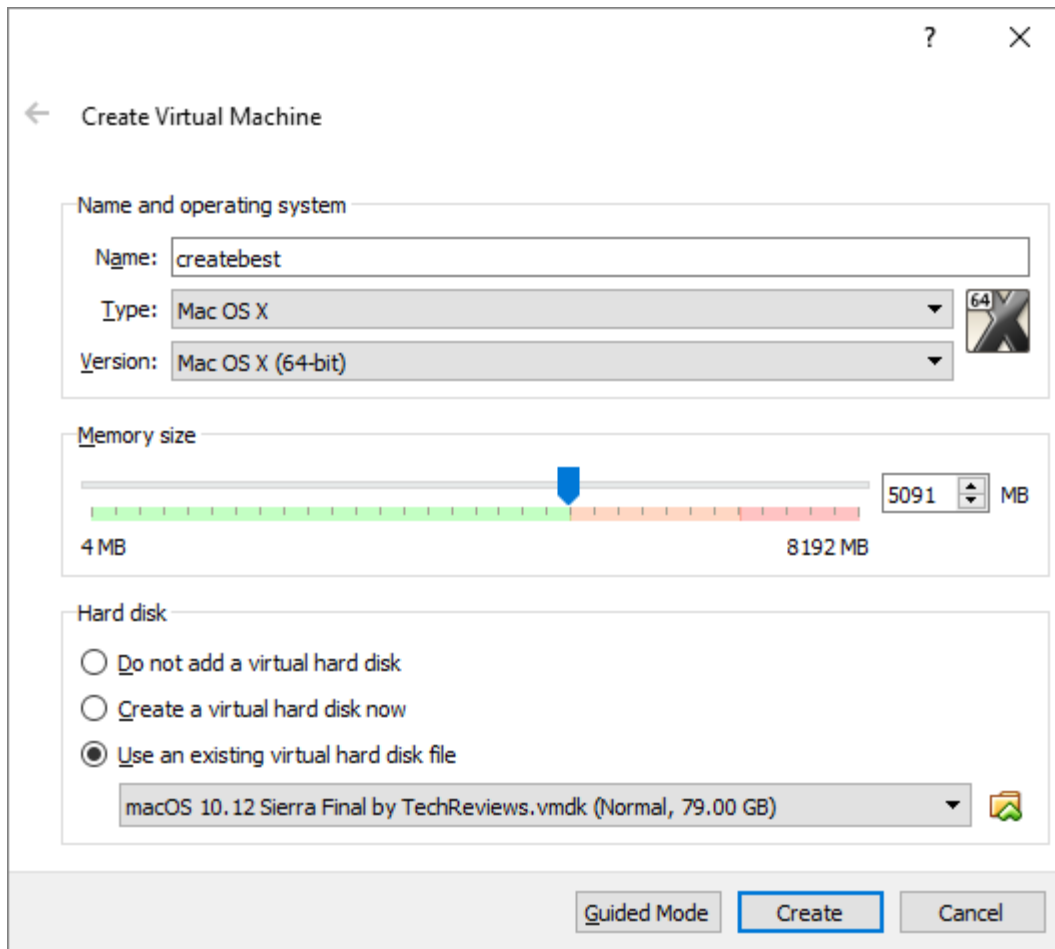
**Name:** createbest

**Type:** Mac OS X

**Version:** Mac OS X (64 bit)

**Memory size** is 4 GB ( min 2.56 GB)

**Hard Disk:** Select ‘use an existing virtual hard disk file’ and locate the file you downloaded in step 2) (file macOS 10.12 Sierra Final by TechReviews.vmdk).



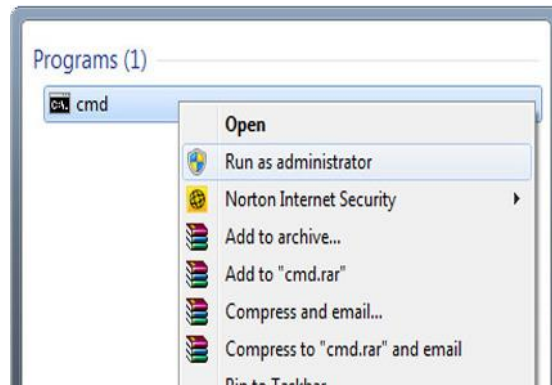
5. **Edit** the Virtual Machine. Right click on the VM created in the previous step and select the settings.

System:

**Processor:** 2 CPU (my CPU is core i5) and Enable PAE/NX

**Motherboard:** Enable EFI, Disable Floppy, Chipset is PIIX3

## 6. Add Code to VirtualBox with Command Prompt (cmd)



**Copy – Paste** to Command Prompt the following commands, **one by one**:

```
cd "C:\Program Files\Oracle\VirtualBox\"
```

```
VBoxManage.exe modifyvm "createbest" --cpuidset 00000001 000106e5 00100800 0098e3fd bfebfbff
```

```
VBoxManage setextradata "createbest" "VBoxInternal/Devices/efi/0/Config/DmiSystemProduct"  
"iMac11,3"
```

```
VBoxManage setextradata "createbest" "VBoxInternal/Devices/efi/0/Config/DmiSystemVersion" "1.0"
```

```
VBoxManage setextradata "createbest" "VBoxInternal/Devices/efi/0/Config/DmiBoardProduct"  
"Iloveapple"
```

```
VBoxManage setextradata "createbest" "VBoxInternal/Devices/smc/0/Config/DeviceKey"  
"ourhardworkbythesewordsguardedpleasedontsteal(c)AppleComputerInc"
```

```
VBoxManage setextradata "createbest" "VBoxInternal/Devices/smc/0/Config/GetKeyFromRealSMC" 1
```

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After creating your user account, you should be able to **START** the Virtual machine.

