

Instructions for installing Android 4.0 - Ice Cream Sandwich on VirtualBox

If you do not have an Android phone, or the device has not been upgraded to Android 4.0 version (codenamed Ice-cream sandwich), or simply you are curious to know how Android works. 4.0 on Desktop platform, this is a good opportunity for us to learn about this operating system ...

TipsMake.com - If you do not have an Android phone, or the device has not been upgraded to Android 4.0 version (codename Ice-cream sandwich) , or simply you are curious to know how The operation of Android 4.0 on the Desktop is a good opportunity for us to learn about this operating system. The Android-x86 project can easily help users access the entire system of Android OS operating systems on the x86 Desktop platform.

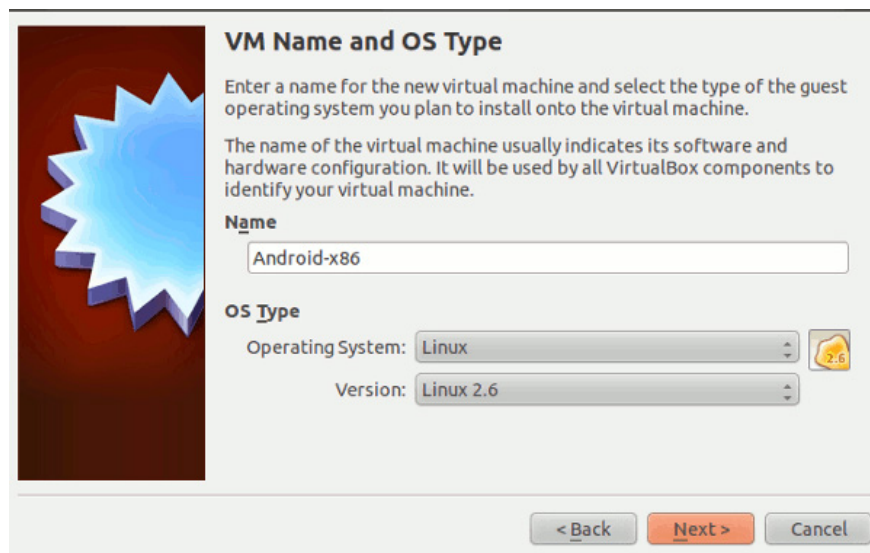
To do this test, we will need to:

1. Iso file of **Android 4.0 RC**
2. 1 server with a minimum RAM capacity of 1 GB
3. VirtualBox application

Install Android 4.0 in Virtualbox:

First, download Android 4.0 RC version here (scroll down to the bottom of the list and select **Android-x86-4.0-RC1**), the iso file used here is **android-x86-4.0-RC1-asus_laptop .iso** with a capacity of about 180 MB.

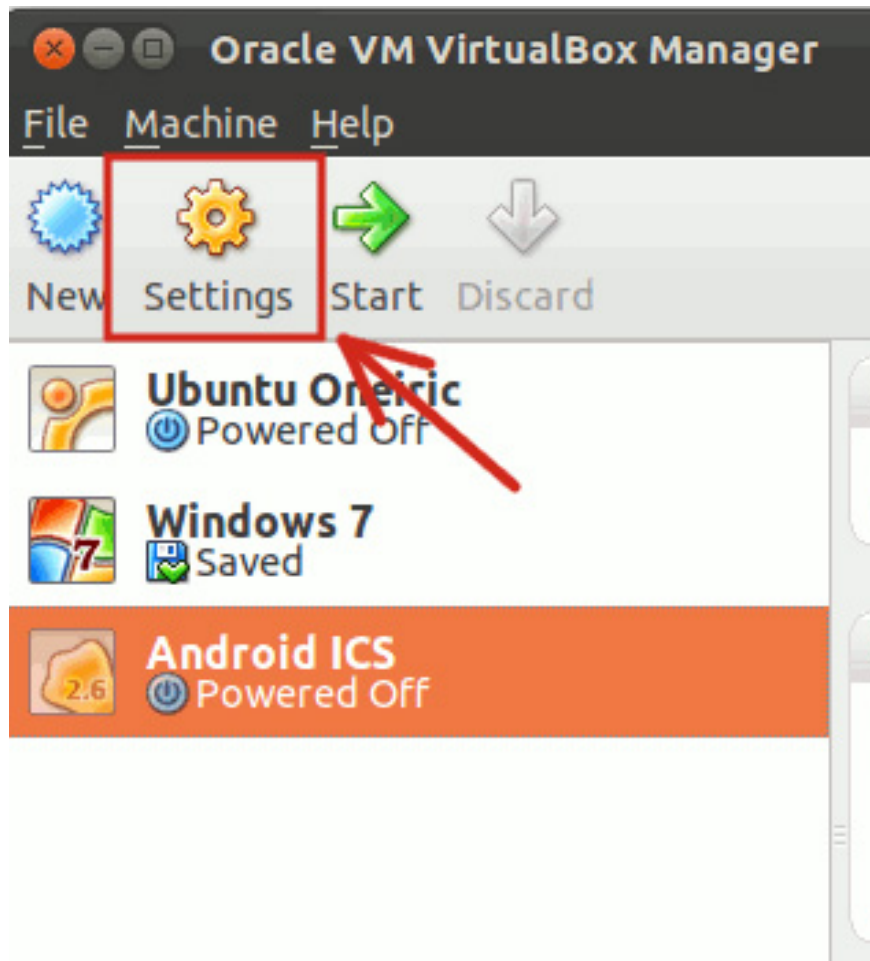
Next step, start **VirtualBox** and create new **Virtual Machine** , name this virtual machine (eg **Androidx86**), set **Operating System** to **Linux** and **Version** to **Linux 2.6**:



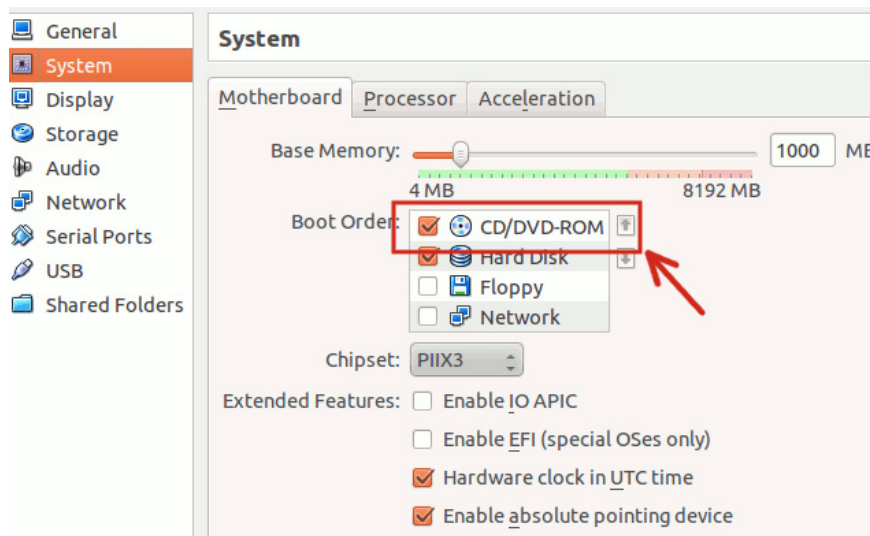
Set the required memory capacity to 1000 MB (500 MB is actually enough to operate). Select Next **Create New Hard Disk** and **VDI (VirtualBox Disk Image)** as shown below:



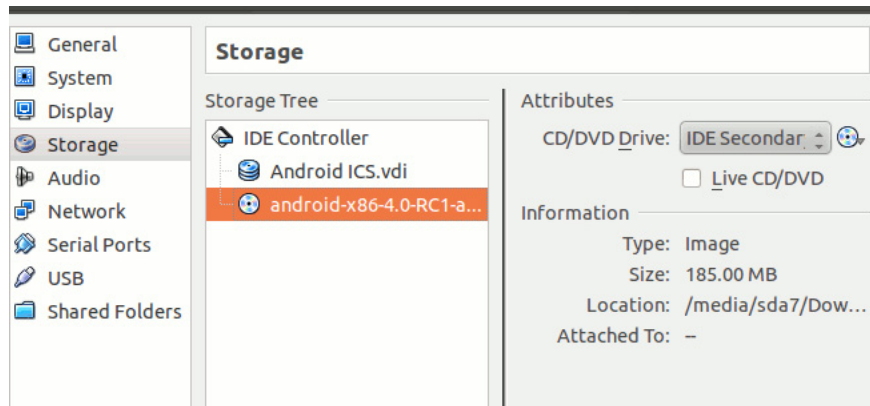
Next, choose **Dynamically Allocated** and change the file size to 8.0 GB. When completing the virtual machine creation process, start the corresponding **Virtual Machine** :



In the settings window on the left, select **System** and check the **CD / DVD-ROM** section as shown below:

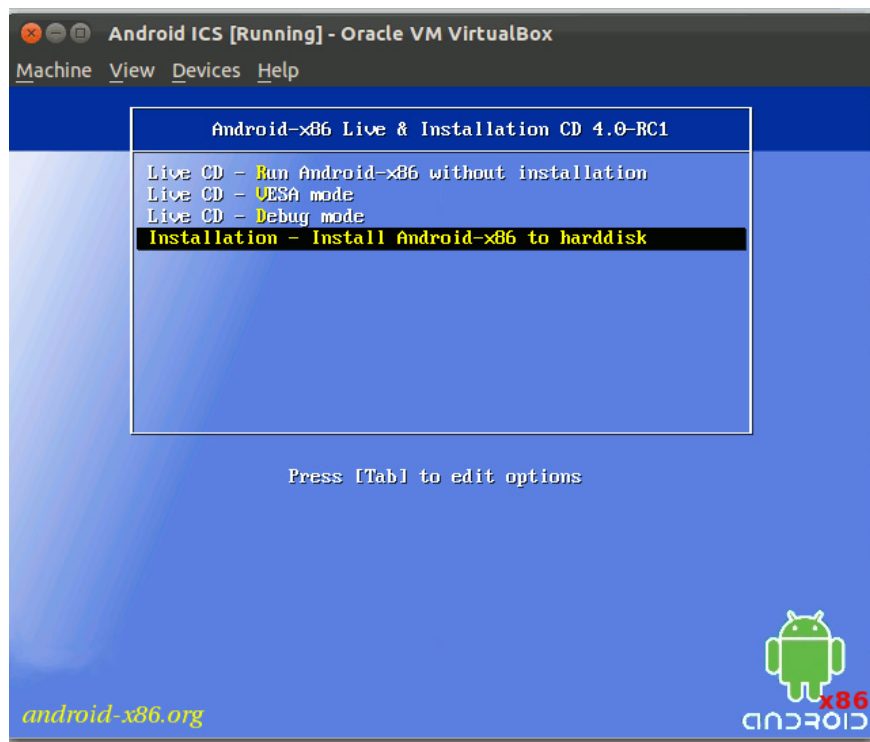


Next, select **Storage**> **Cd-rom** . Under the **Attribute** section, click on the button with the CD icon and select the iso file of Android 4.0:

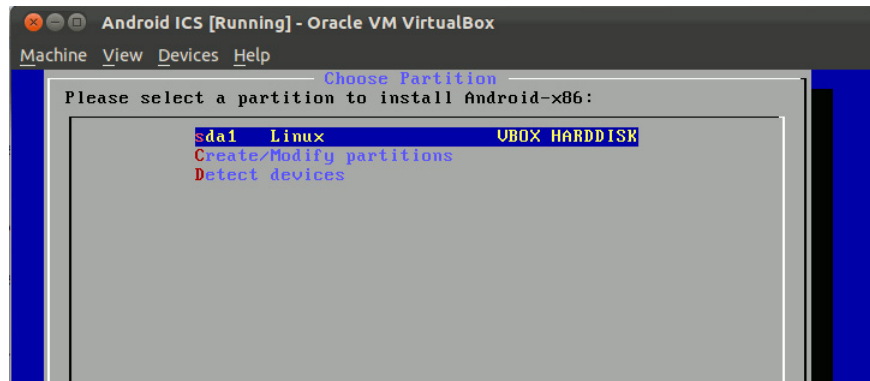


Click OK to save the changes.

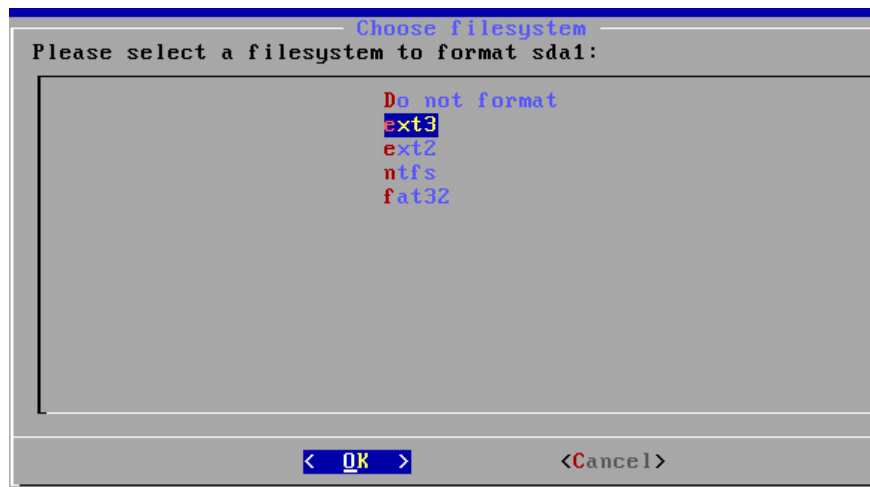
Running Android 4.0:



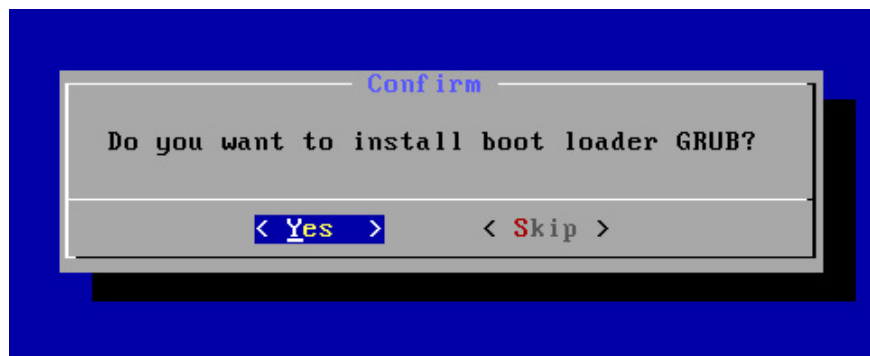
On the first start, you will see the main screen above. At this test, we chose the **Installation** mode. Then select **Linux Sda1** partition:



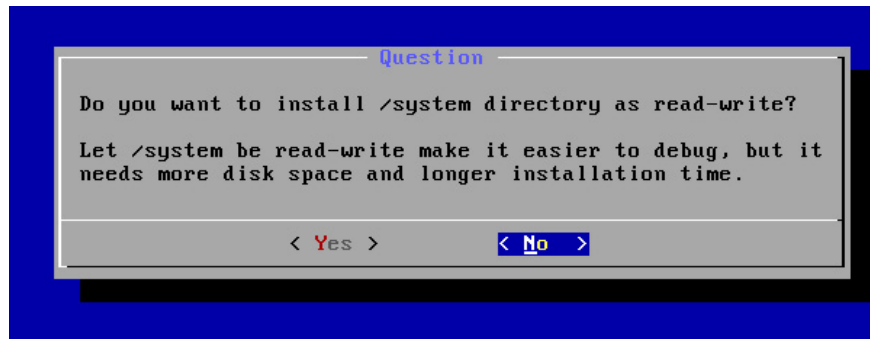
Select **ext3** :



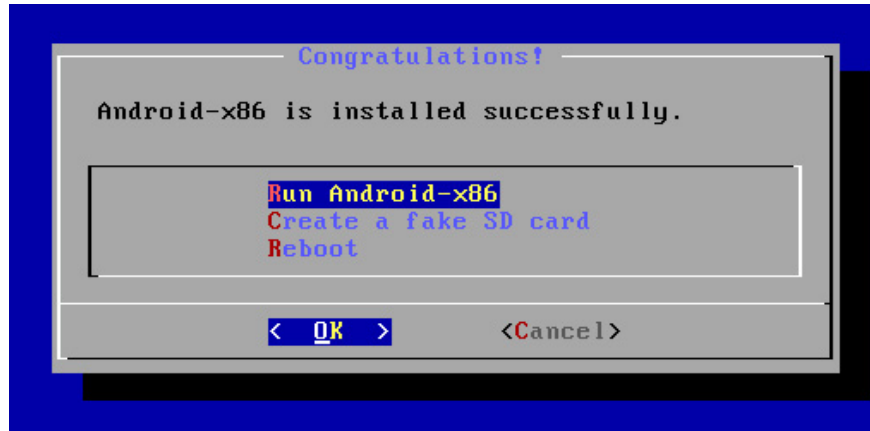
Installing **bootloader** :



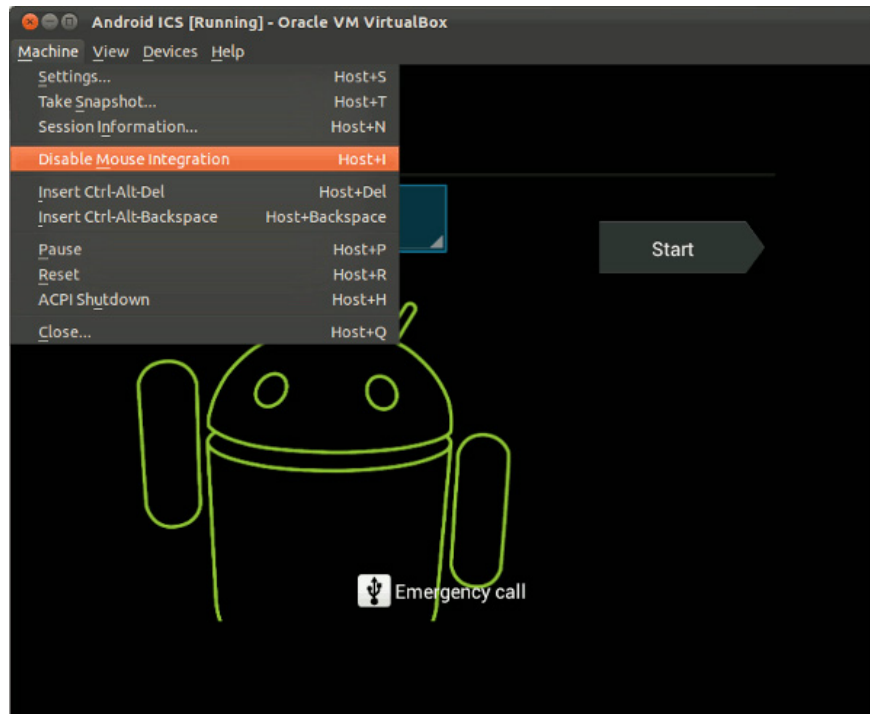
When the system asks users if they want to enable **read-write** mode for the directory / **system** , select **No** if they only want to test **Android 4.0** , if not, choose **Yes** :



And when done, choose **Android-x86 Run**:



On the first launch of Android 4.0, the system will ask users to set up a user account. Here, we will easily see that the mouse doesn't work inside VirtualBox. To fix it, open the **Machine** menu and select **Disable mouse integration**, then click anywhere on the virtual machine and the cursor will work as usual, or press the **Right Ctrl** key to move the cursor to the host machine:



After setting up the account, we were able to use and test the features of Android 4.0 as usual:



However, Android does not have the **Shutdown** option available, so if you want to turn off the operating system, you must close the **Virtual Machine**, and don't forget to remove the **Android** iso file from the CD-ROM section in the **Settings** section, otherwise the system will restart the installation process on the next boot. Good luck!

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