

**RUNNING "ANDROID"
INSIDE A
VIRTUAL MACHINE
IN "PARALLELS DESKTOP"
IN MAC "OS X"**

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SUMMARY

You can install and run a free copy of "Android 4.x" in a virtual machine running inside the not-free "Parallels Desktop" in a Mac "OS X" computer. This gives you a chance to learn about the "Android" flavor of GNU/Linux without or prior to spending money for an "Android" phone or tablet.

Real Physical Computer running Mac OS X

"Parallels Desktop"
Virtual Machine Program
(not free)

**"Android" (free)
running in a
virtual machine**



ANDRIOD INSIDE "PARALLELS DESKTOP" IN MAC OS X

- Start "Parallels Desktop" in your Mac OS X computer.
- Click on "File" in the top Menu Bar.
- A "Parallels Wizard" box will be displayed.
- Click on the "Download Android Free" button.
- Click on the "Download" button.

ANDRIOD INSIDE "PARALLELS DESKTOP" IN MAC OS X (continued)

- After the "Android 4" virtual machine starts up, click inside the virtual machine window.

ANDRIOD INSIDE "PARALLELS DESKTOP" IN MAC OS X (continued)

- "Skip" the selection of a wireless access point since your Android virtual machine will automatically connect to the default wired Ethernet adapter that "Parallels Desktop" provides it.

ANDRIOD INSIDE "PARALLELS

DESKTOP" IN MAC OS X (continued)

- Continue following the instructions in the "Parallels Wizard" box and you will end up with a virtual machine that runs "Android 4.0".
- Click on "Window" in the Menu Bar of "Parallels Desktop".
- Click on "Virtual Machines List".
- Click on "Android 4" in the "Parallels Virtual Machines" list box.

ANDRIOD INSIDE "PARALLELS

DESKTOP" IN MAC OS X (continued)

- As soon as the virtual machine starts up, click inside it.
- When the lock symbol is displayed, drag it out of the circle to unlock the virtual machine.

ANDRIOD INSIDE "PARALLELS DESKTOP" IN MAC OS X (continued)

- Click on the area below the color bars.
- Click on the "Home" icon.
- Your mouse cursor will now be trapped inside the "Android 4" virtual machine.

ANDRIOD INSIDE "PARALLELS DESKTOP" IN MAC OS X (continued)

- To get the mouse cursor out of the virtual machine:
Go to the keyboard and press
Command+Option+Esc.
- A "Force Quit Applications" box will be displayed.
- Either click on the "Red" button in the upper-left corner or press once on the "Esc" key.
- Your mouse will now be freed from the "Android 4" virtual machine.

ANDRIOD INSIDE "PARALLELS DESKTOP" IN MAC OS X (continued)

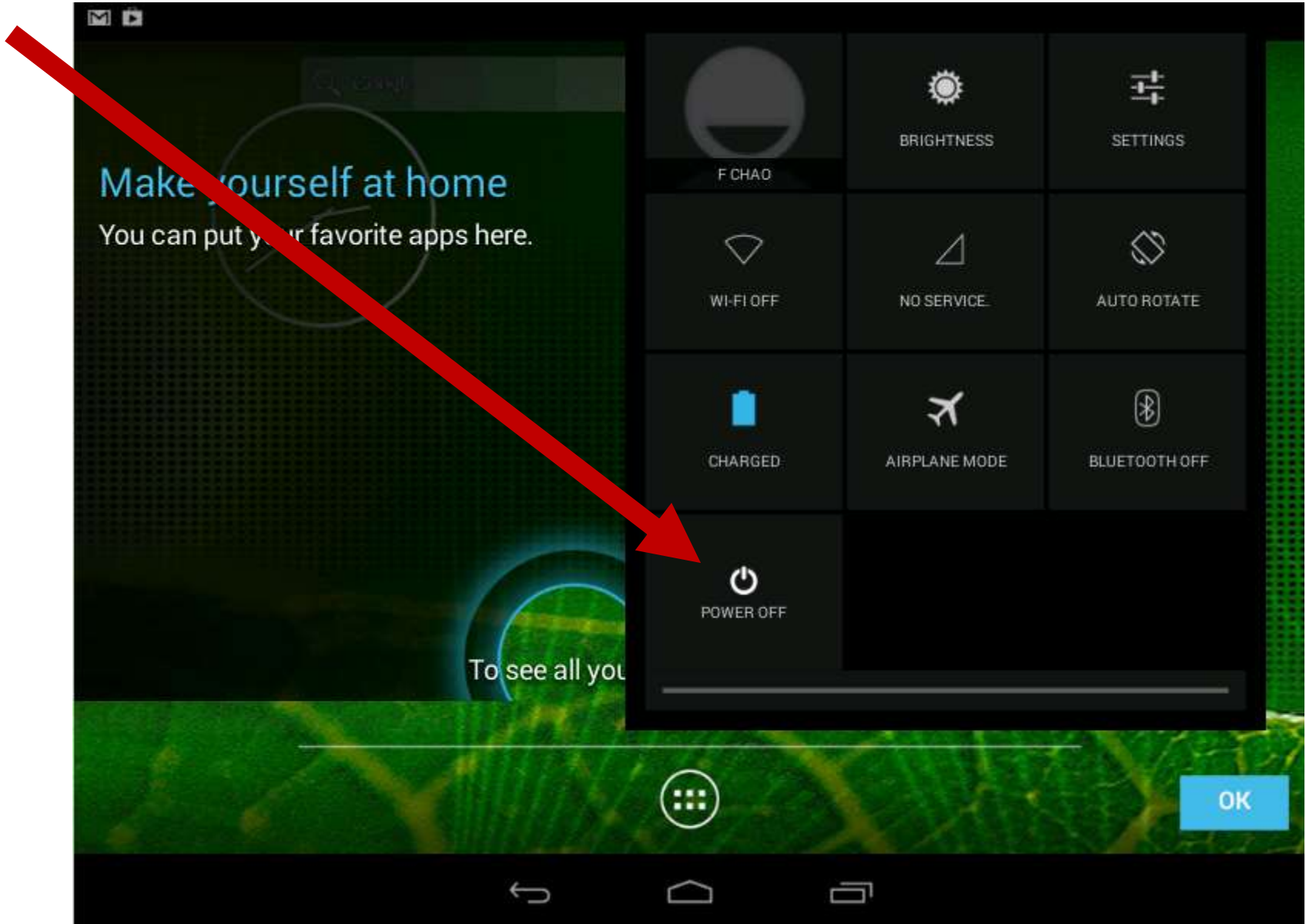
- If the mouse cursor is not working, you cannot shut down the "Android 4.0" virtual machine from inside the virtual machine:
To shut down the virtual machine, perform the previously-described procedure for freeing the mouse from the virtual machine.
Then click on "Virtual Machine" selection in the Parallels "Menu Bar".
Finally, click on "Shut Down" in the drop down menu.

ANDRIOD INSIDE "PARALLELS DESKTOP" IN MAC OS X (continued)

- If the mouse cursor is working, you can shut down the "Android 4.0" virtual machine from inside the virtual machine:

Use your mouse cursor to drag the right half of the top "Status Bar" downward.

Then click on the "Power Off" button:



ANDRIOD INSIDE "PARALLELS DESKTOP" IN MAC OS X (continued)

- In "Parallels Desktop", there is no way to wake an "Android" virtual machine that has fallen asleep:

ANDRIOD INSIDE "PARALLELS

DESKTOP" IN MAC OS X (continued)

- If your "Android" virtual machine falls asleep, force it to shut down as follows:

Go to the keyboard and press

Command+Option+Esc.

A

"Force Quit Applications" box will be displayed. Press the Esc key once. Your mouse will now be freed from the "Android 4" virtual machine. Click on "Virtual Machine" in the "Parallels Desktop Menu Bar". Click on "Stop" in the drop down menu. Click on the "Stop" button in the "Are you sure..." box.

ANDRIOD INSIDE "PARALLELS DESKTOP" IN MAC OS X (continued)

- Since there is no way to wake an "Android" virtual machine that has fallen asleep, it is best to set the "Sleep Timer" in "Display" in "Settings" to the maximum allowed value of "30 minutes". This reduces the frequency of falling asleep for the virtual machine.