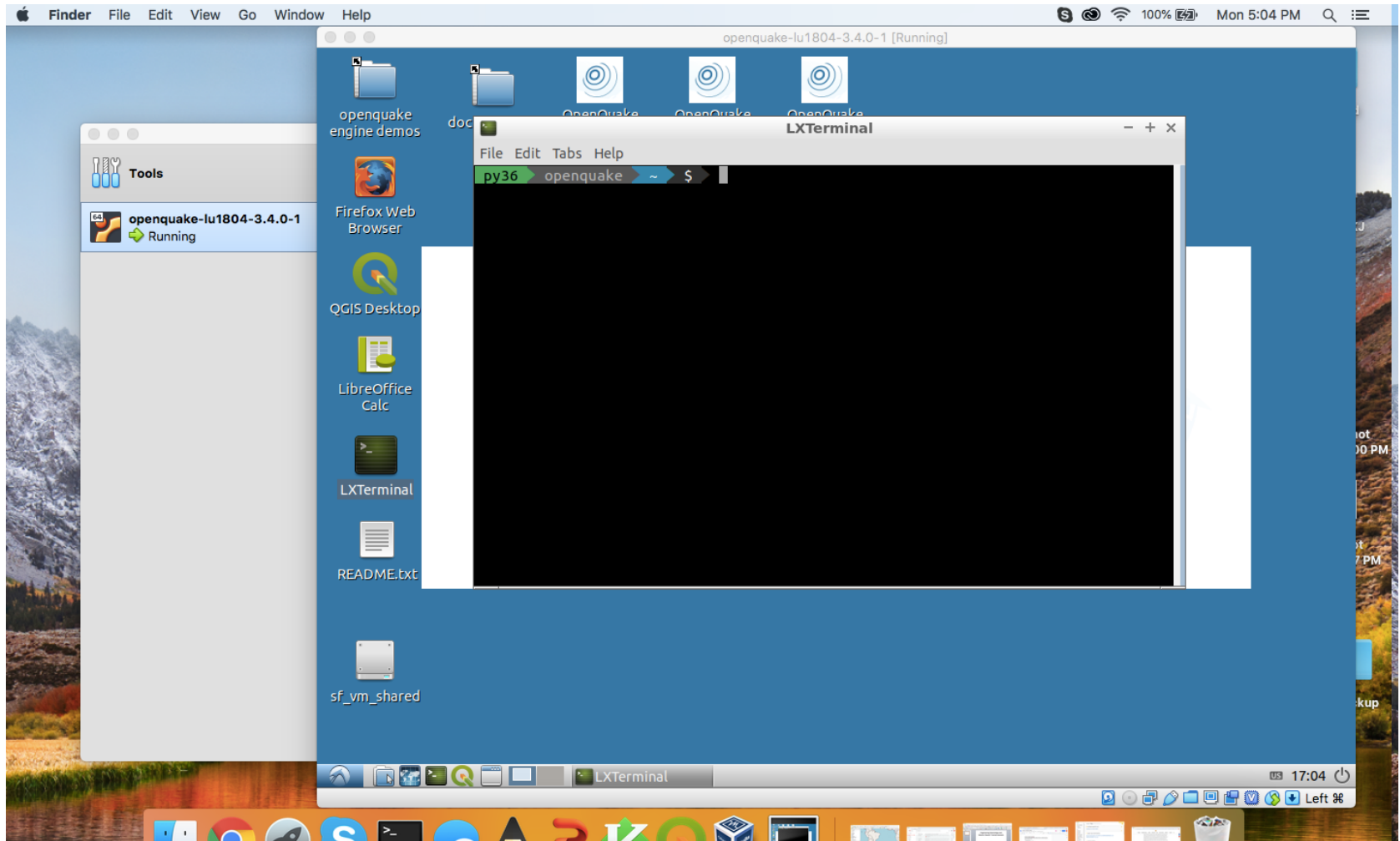


Tutorial 0: VirtualBox setup



08/04/2019

What is VirtualBox?

Using VirtualBox, we can all use our personal computers, but also the same operating system and software using only a VirtualBox Image file.

In this tutorial, we will:

- Install the VirtualBox software
- Import a Virtual Image (containing OpenQuake, QGIS..)
- Learn to run the VirtualBox and see its contents

Downloading VirtualBox

Download links:

- VirtualBox – <https://www.virtualbox.org/wiki/Downloads>
- Image – <https://downloads.openquake.org/ova/3.4/openquake-lu1804-3.4.0-1.ova>

Download VirtualBox

Here you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective

If you're looking for the latest VirtualBox 5.2 packages, see [VirtualBox discontinued in 6.0](#). Version 5.2 will remain supported until July 2020.

VirtualBox 6.0.4 platform packages

- [↳ Windows hosts](#)
- [↳ OS X hosts](#)
- [Linux distributions](#)
- [↳ Solaris hosts](#)

Installing the VirtualBox Software

Mac OS:

- Open the VirtualBox-6.0...dmg file and follow the instructions
- After installation, you can find VirtualBox in the "Applications" folder

Windows:


- Open the VirtualBox-6.0...exe file and follow the instructions
- After installation, you can find VirtualBox in the "Programs" menu

Linux:

- Installs itself!


Import the OpenQuake Virtual Image



- Select “Import” (or *File -> Import Appliance*)
- Select the file icon  and navigate to the Virtual **Image** file (openquake-lu1804-3.4.0-1)
- Import using the default values

Appliance settings

These are the virtual machines contained in the appliance and the suggested settings of the imported VirtualBox machines. You can change many of the properties shown by double-clicking on the items and disable others using the check boxes below.

Virtual System 1	
Name	openquake-lu1804-3.2.0-2 1
Product	OpenQuake VM
Product-URL	https://github.com/gem/oq-engine/tree/engine-3.2/#openquake-engine
Vendor	GEM Foundation (Pavia, Italy)
Vendor-URL	http://www.globalquakemodel.org/
Version	stable/lubuntu1804/3.2.0-2
Description	The OpenQuake Engine is GEM 's state-of-the-art software for seismic haza...
Guest OS Type	 Ubuntu (64-bit)
CPU	2
RAM	2048 MB
DVD	<input checked="" type="checkbox"/>
USB Controller	<input checked="" type="checkbox"/>
Network Adapter	<input checked="" type="checkbox"/> Intel PRO/1000 MT Desktop (82540EM)
Storage Controller (IDE)	PIIX4

You can modify the base folder which will host all the virtual machines. Home folders can also be individually (per virtual machine) modified.



MAC Address Policy:

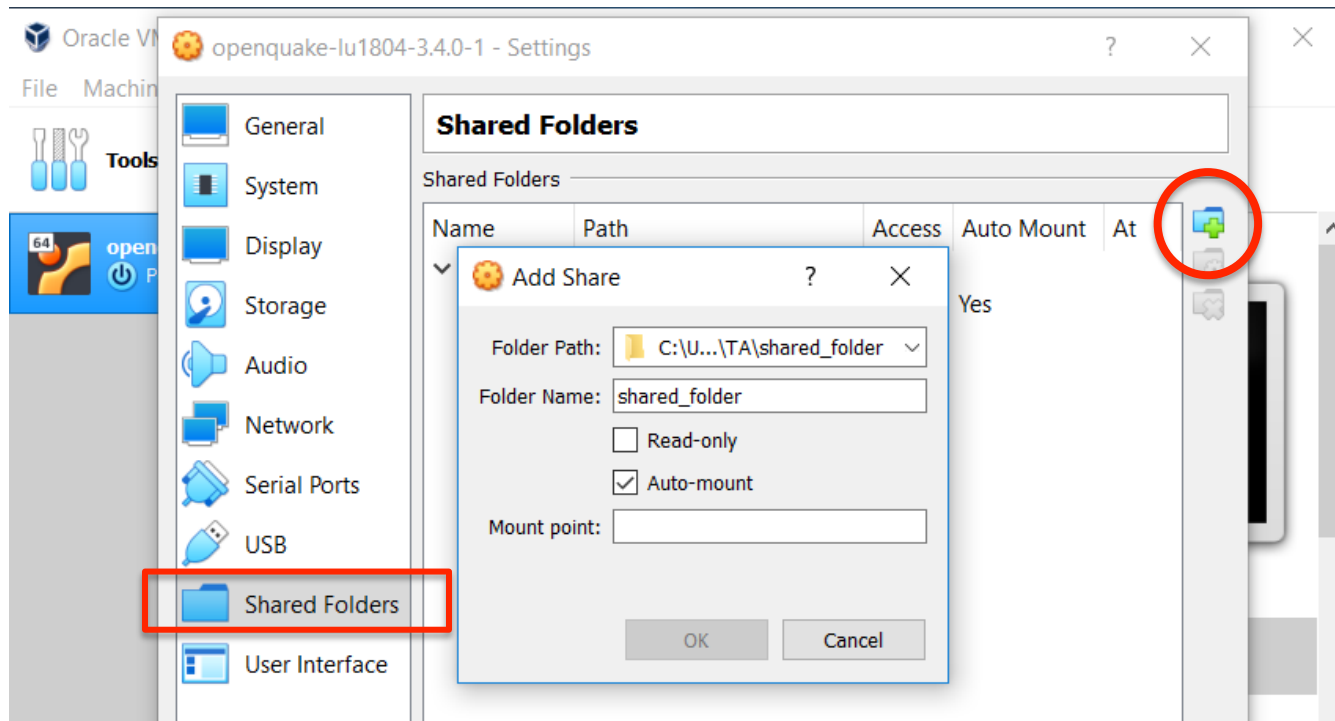
Additional Options: Import hard drives as VDI

Appliance is not signed

Assign the shared folder

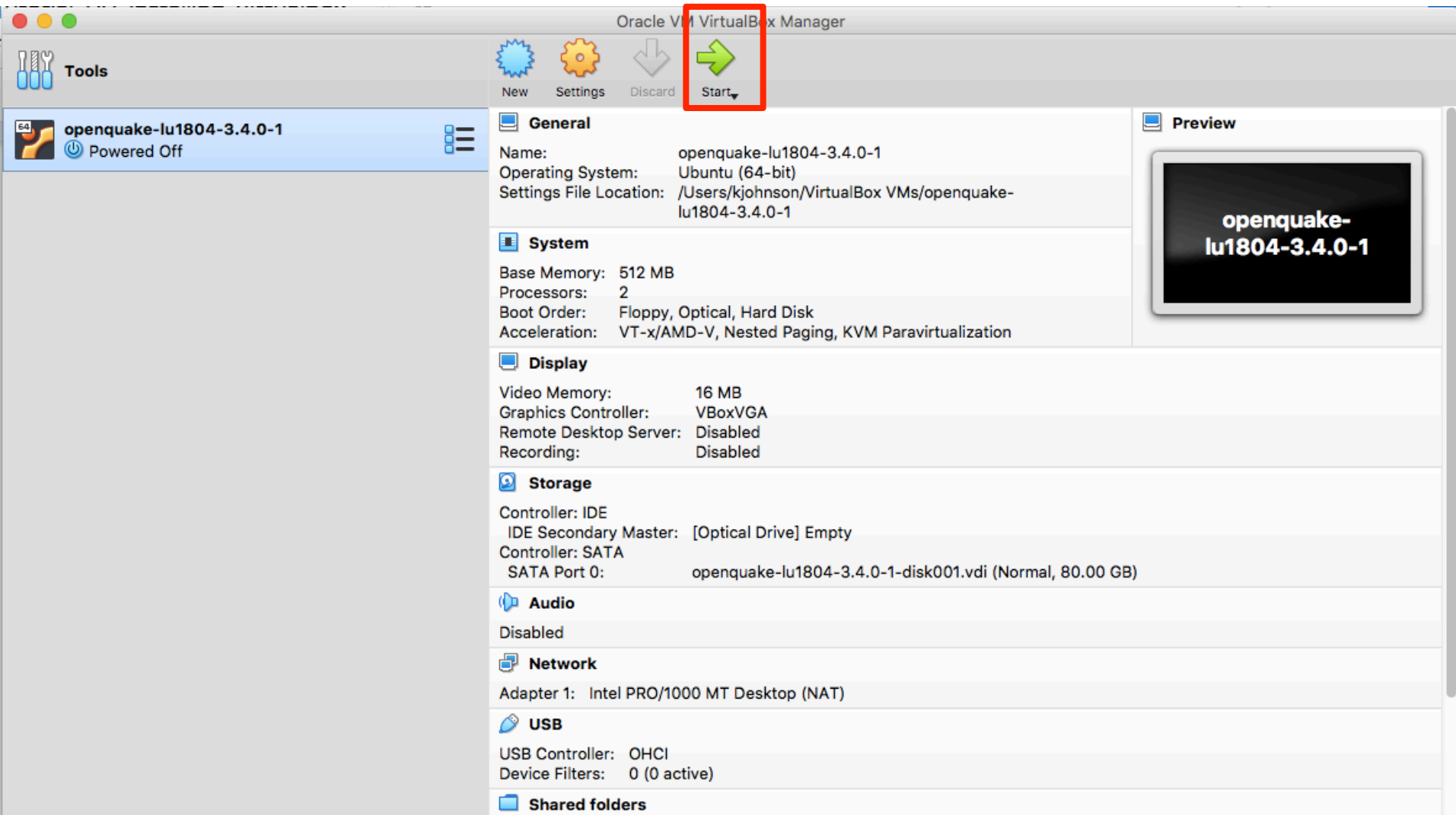
This step is very important! The **shared folder** allows you to transfer files between your person computer and the Virtual Box.

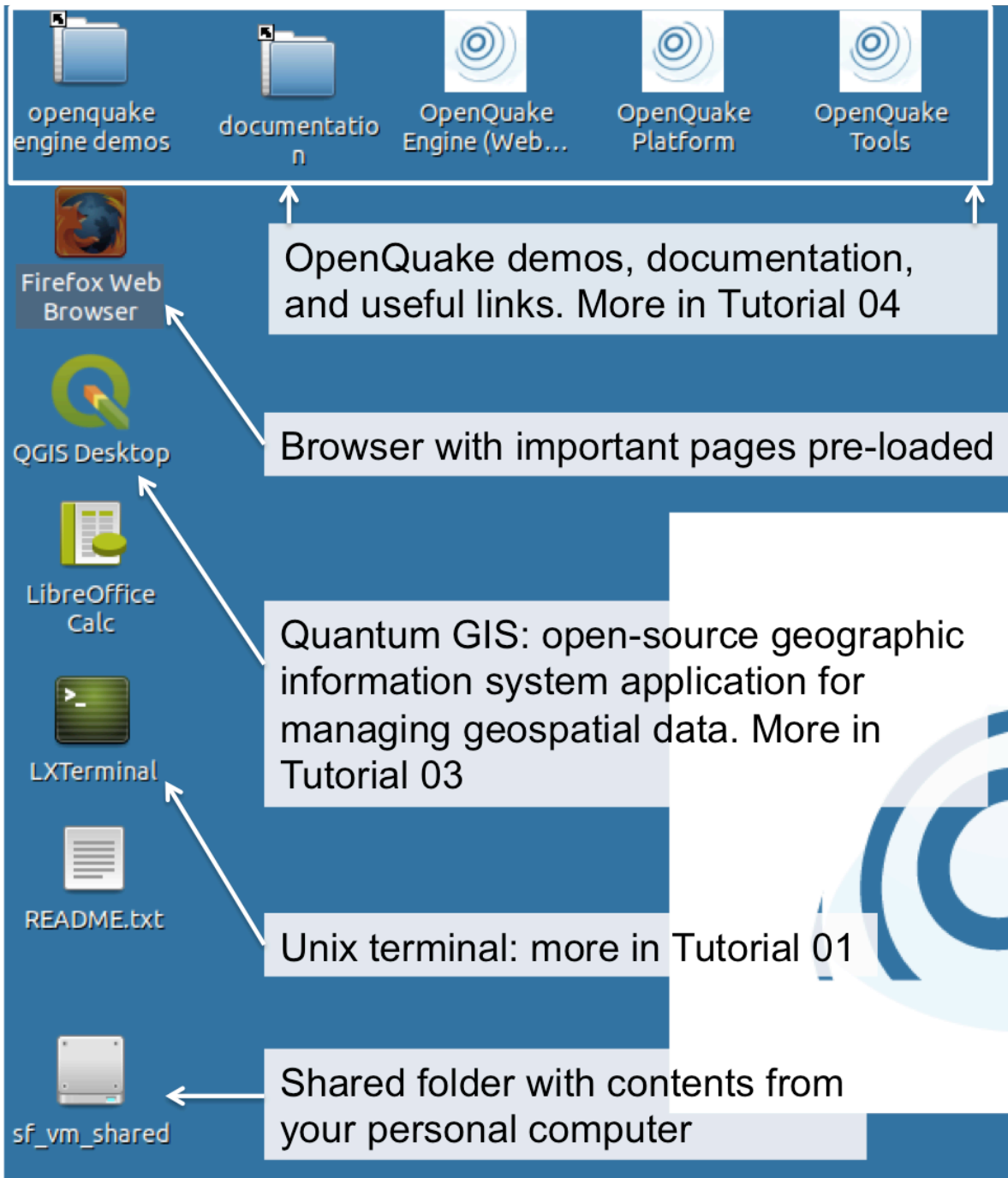
- Click *Settings*  -> *Shared Folders* -> 
- Assign the folder path using *Folder Path* -> *Other* and navigate to the folder you want to use
- Check *Auto-mount* and OK



Run the VirtualBox

- From the home screen, select the Virtual Image and click *Start*





openquake engine demos

documentation

OpenQuake Engine (Web...

OpenQuake Platform

OpenQuake Tools

Firefox Web Browser

QGIS Desktop

LibreOffice Calc

LXTerminal

README.txt

sf_vm_shared

OpenQuake demos, documentation, and useful links. More in Tutorial 04

Browser with important pages pre-loaded

Quantum GIS: open-source geographic information system application for managing geospatial data. More in Tutorial 03

Unix terminal: more in Tutorial 01

Shared folder with contents from your personal computer