Installing Hortonworks Sandbox 2.1 – Fusion on Mac

Getting Ready to install on a Mac using VMware Fusion

Use this section to prepare for your installation.

Prerequisites

To use the Hortonworks Sandbox on a Mac you must have the following resources available to you:

- Hosts:
  - A 64-bit machine with a chip that supports virtualization. Any Mac that can run Lion has a 64-bit chip.
  - A BIOS that has been set to enable virtualization support. Any Mac that can run Lion has been set to enable virtualization support.
- Host Operating Systems:
  - Mac OS X, Lion or later
- At least 4 GB of physical RAM
  - Note if you wish to enable the optional Ambari or Hbase projects, you will need 8GB of physical RAM and will need to increase the RAM allocated to the virtual machine to at least 4 GB.
- Virtual Machine Environments:
  - VMware Fusion, version 5.x
- Supported browsers
  - Firefox – latest stable release
  - Google Chrome – latest stable release
- The correct virtual appliance file for your environment. Download them from http://hortonworks.com/sandbox.

Virtual Machine Overview

The Hortonworks Sandbox is delivered as a virtual appliance that is a bundled set of operating system, configuration settings, and applications that work together as a unit. The virtual appliance (indicated by an .ovf or .ova extension in the filename) runs in the context of a virtual machine (VM), a piece of software that appears to be an application to the underlying (host) operating system, but that looks like a bare machine, including CPU, storage, network adapters, and so forth, to the operating system and applications that run on it.

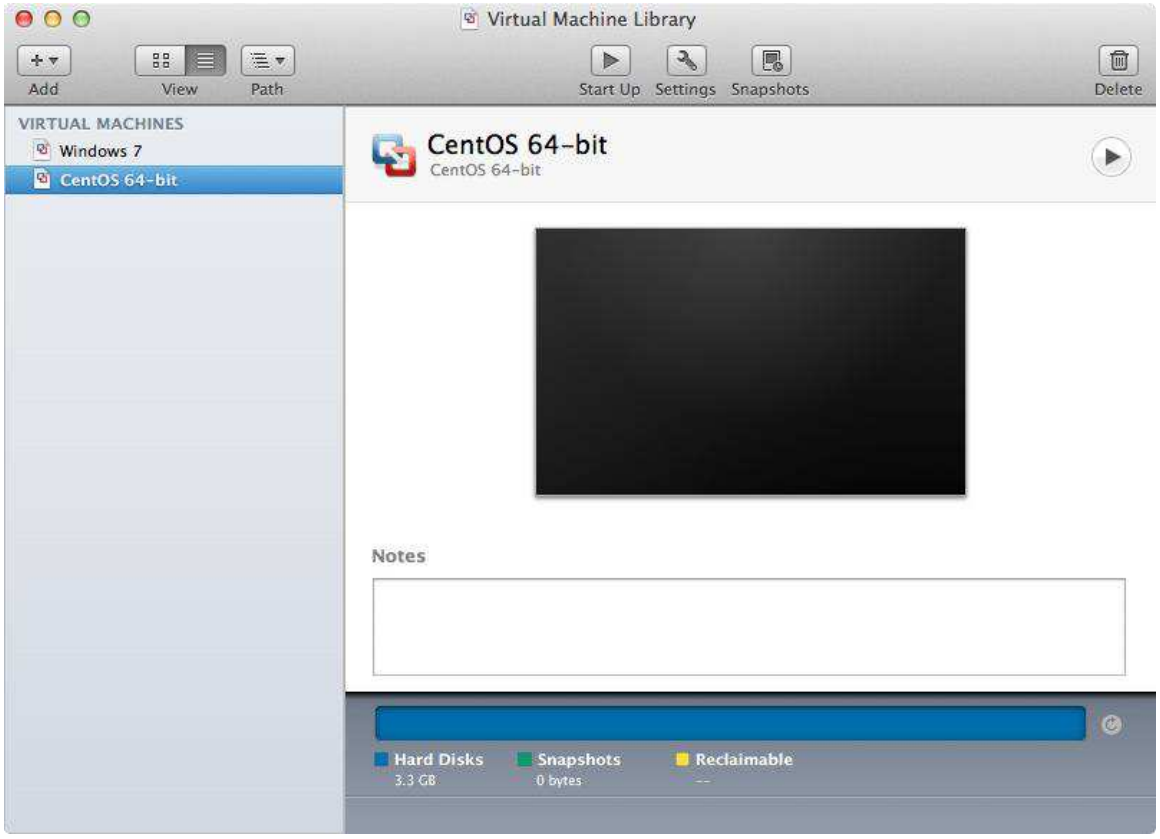
To run the Sandbox you must install one of the supported virtual machine environments on your host machine, either Oracle Virtual Box or VMware Fusion (Mac) or Player (Windows/Linux).

In general, the default settings for the environments can be used.

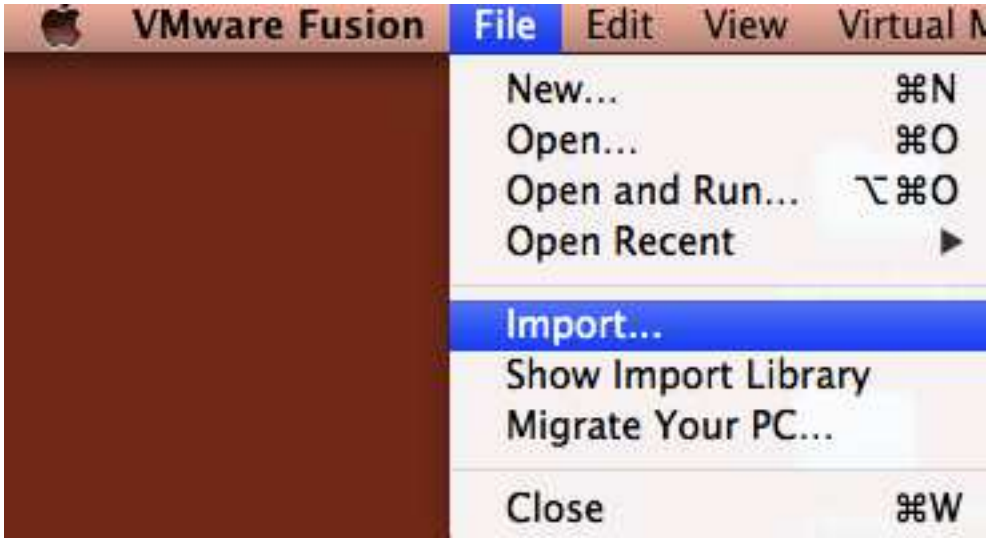
Installing on a Mac using VMware Fusion

1. Open VMware Fusion.
   Double click:

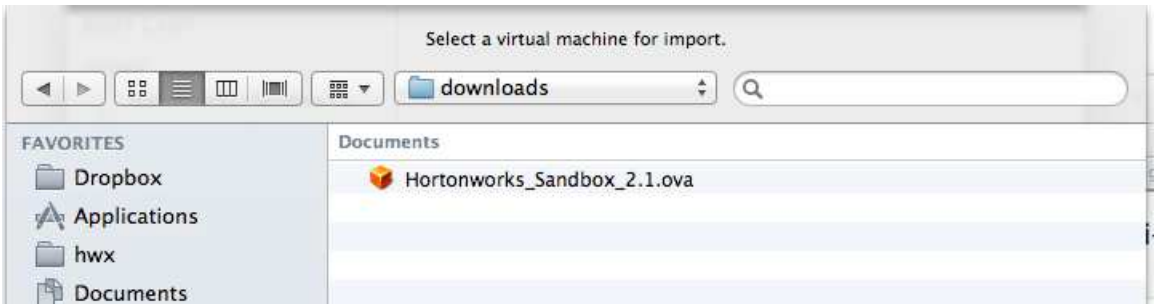
2. The VMware **Virtual Machine Library** is displayed. If you do not have other VMs installed, it will look slightly different.



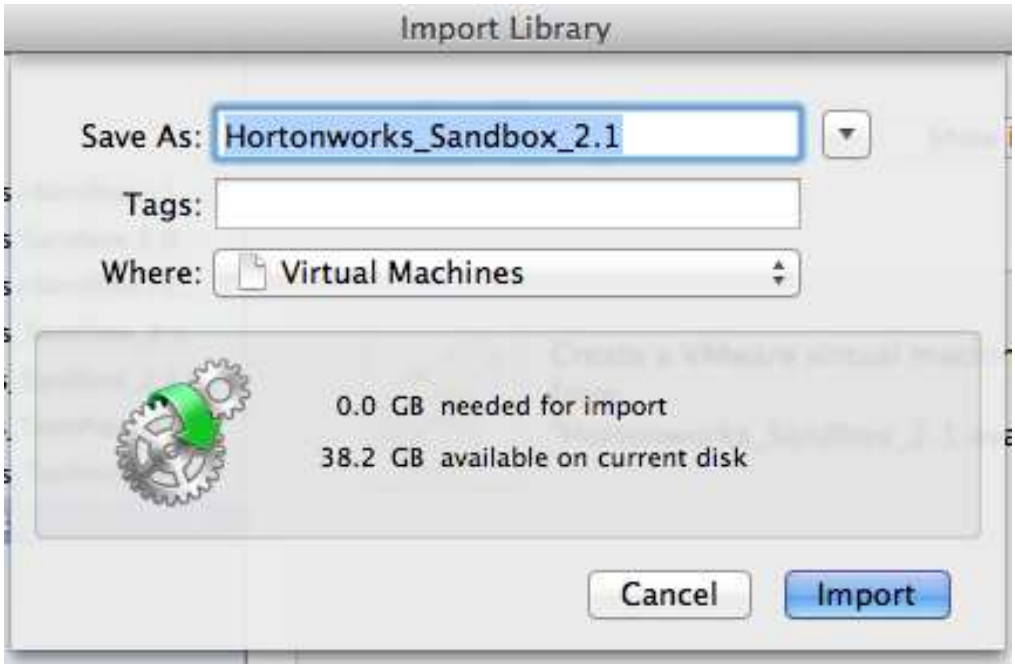
3. Click **File -> Import**.



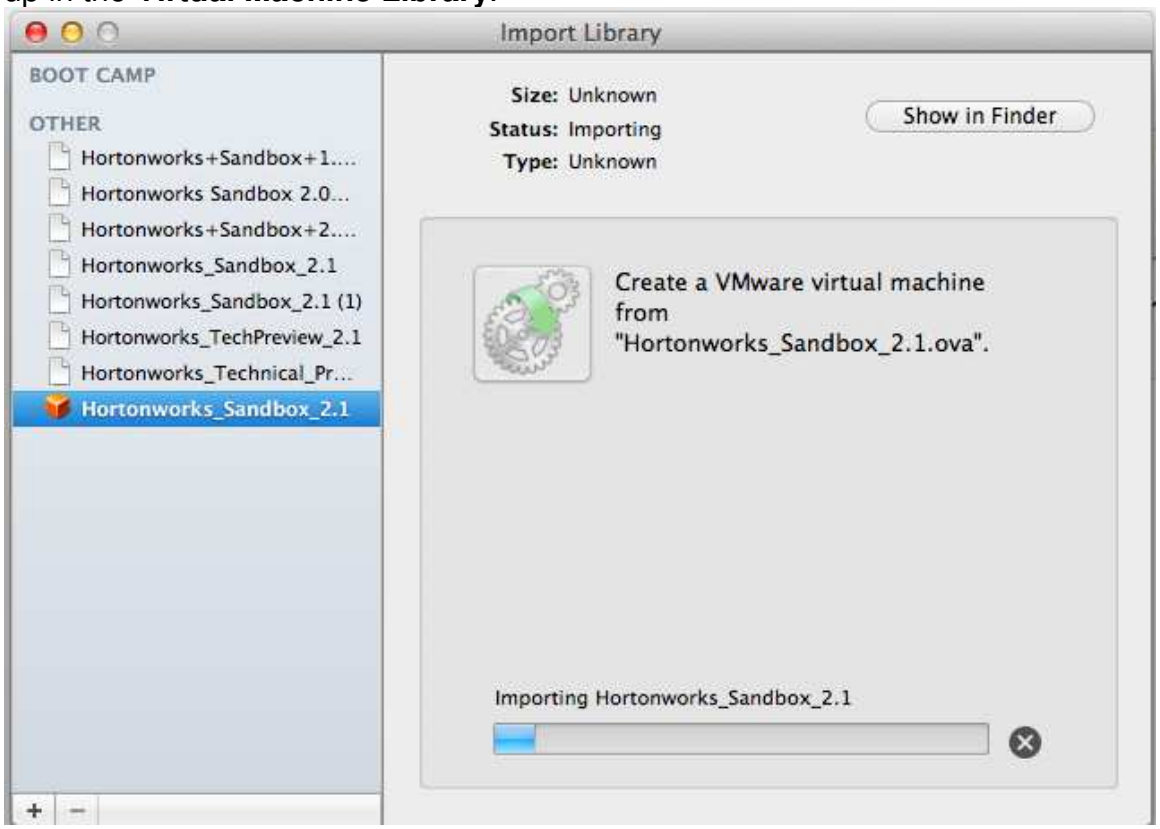
4. The file browser opens. Select the appropriate Sandbox appliance file. Click **Open.**



5. **Import Library** opens. Unless you have specific needs, the default values are fine. Click **Import.**

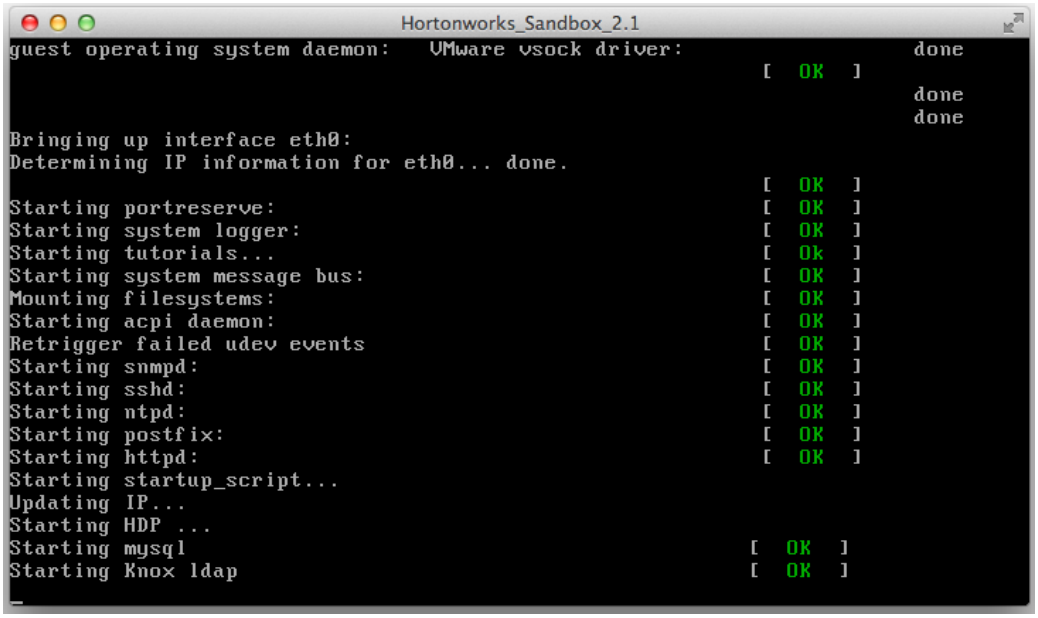


6. The appliance is imported. A console window opens and the VM shows up in the **Virtual Machine Library**.

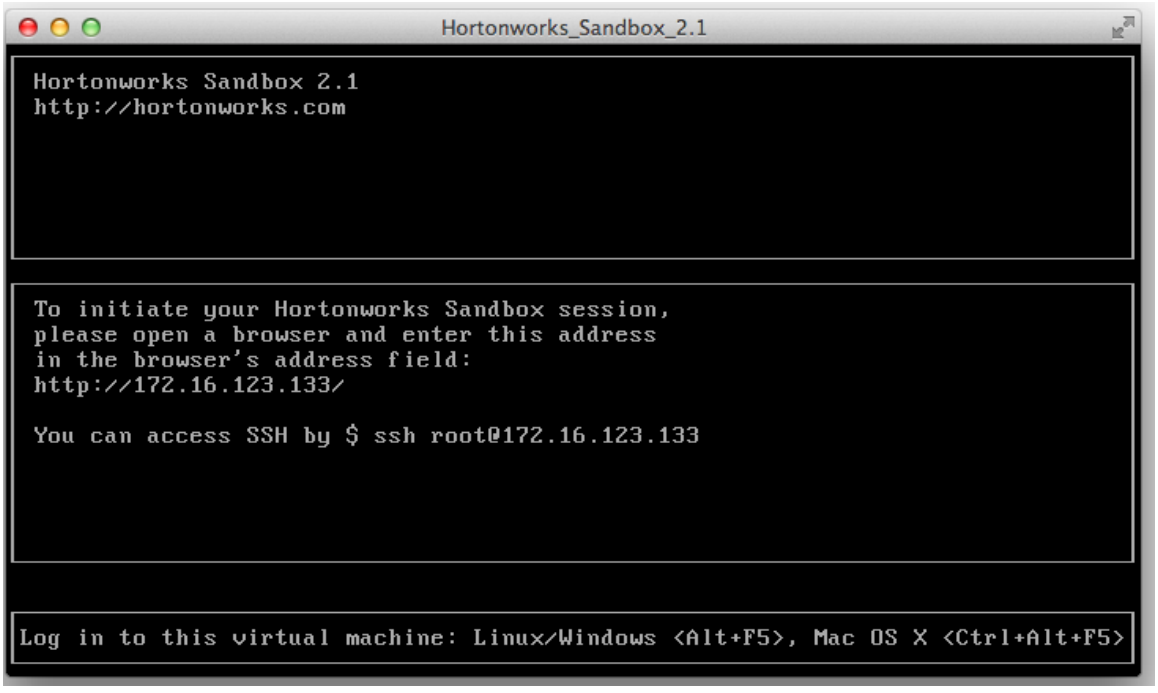


7. Make sure you have a **Private to my Mac** adapter. In this case it already exists. To create a new adapter, select **Add Device**, select **Network Adapter**, and click **Add**. Select **Private to my Mac**.

8. You can power on the virtual machine using the big arrow on the console window or the **Power On** button in the **Library Window**. The Sandbox boots up.



When the Sandbox has finished starting up, the console displays the login instructions.



Note: Because what is being displayed is a conceptually separate machine, control of the mouse and the keyboard must be passed back and forth between the host and the VM. This is particularly useful when the VM has a GUI. In the case of the Sandbox appliance, however, you never need to use your keyboard or your mouse inside the Sandbox console window. If you accidently let the console "capture" your mouse or keyboard, you can release them back to the host machine by pressing the **Ctrl** and **Command** keys. A reminder appears in the upper right corner of the console window if you forget.

9. Use a browser on your host machine to open the URL displayed on the console.

The Sandbox GUI is displayed. Enjoy.