

Installing Hortonworks Sandbox 1.3 -- VirtualBox on Mac

Getting Ready to install on a Mac using Oracle Virtual Box

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 machine with a chip that supports virtualization.
 - A BIOS that has been set to enable virtualization support. Any Mac that can run Lion has been set to enable virtualization.
- Host Operating Systems:
 - Mac OS X, Lion or later
- At least 4 GB of RAM
- Virtual Machine Environments:
 - Oracle [Virtual Box version 4.2](#) or later
- The correct virtual appliance file for your environment. Download them from <http://hortonworks.com/products/sandbox-instructions/>. You will need to login to your free Hortonworks account to download the file.

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).

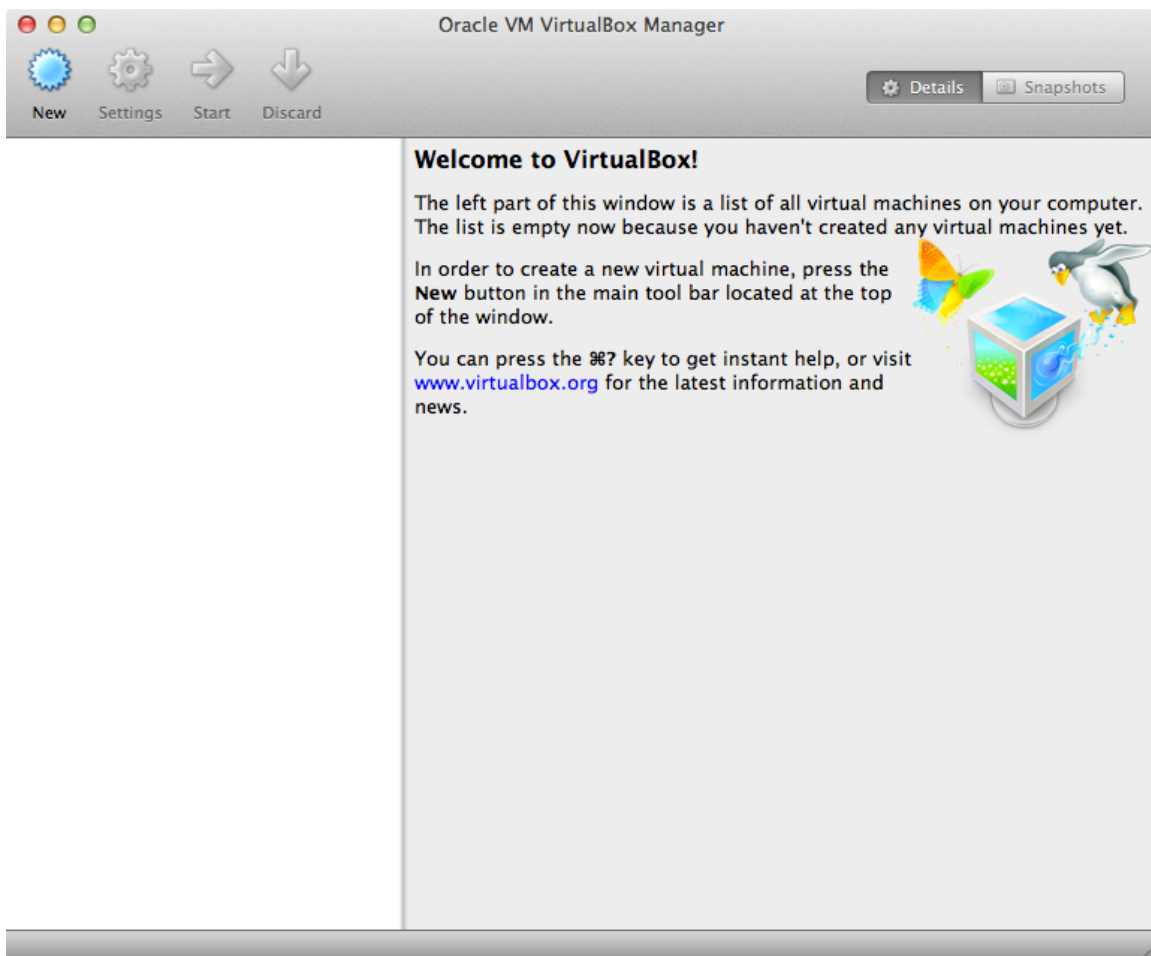
In general, the default settings for the environments are fine.

Installing on Windows using Oracle Virtual Box

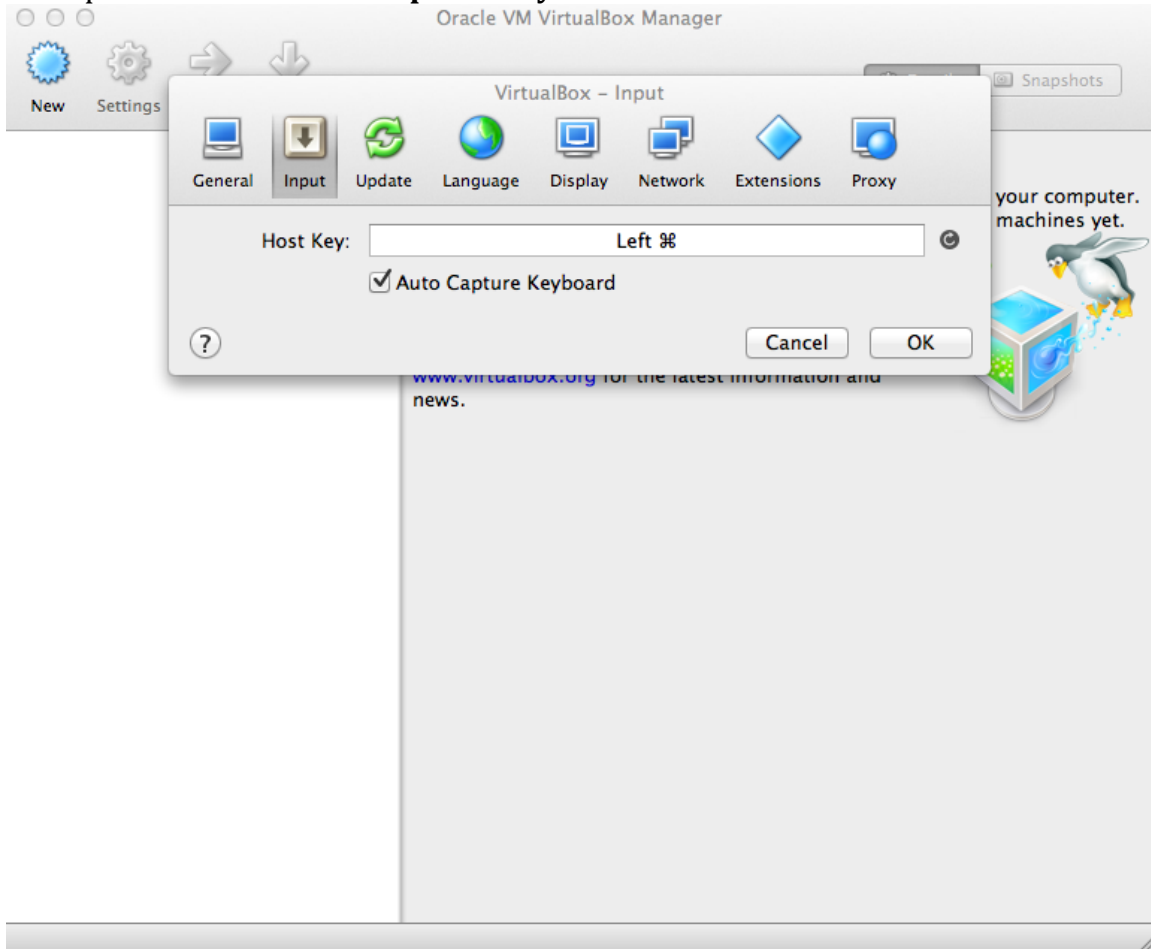
1. Open the Oracle VM VirtualBox Manager
Double click:



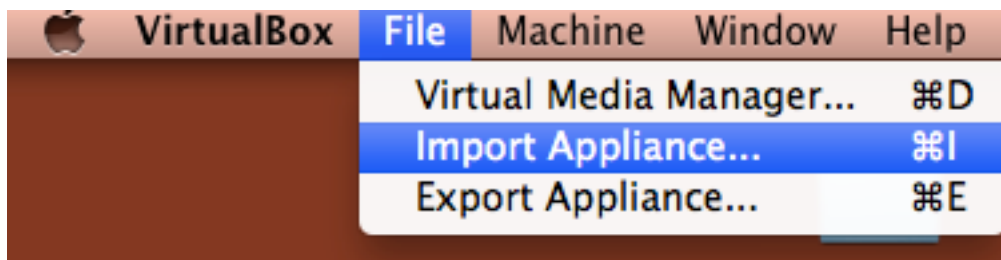
The **Oracle VM Virtualization Manager** window opens.



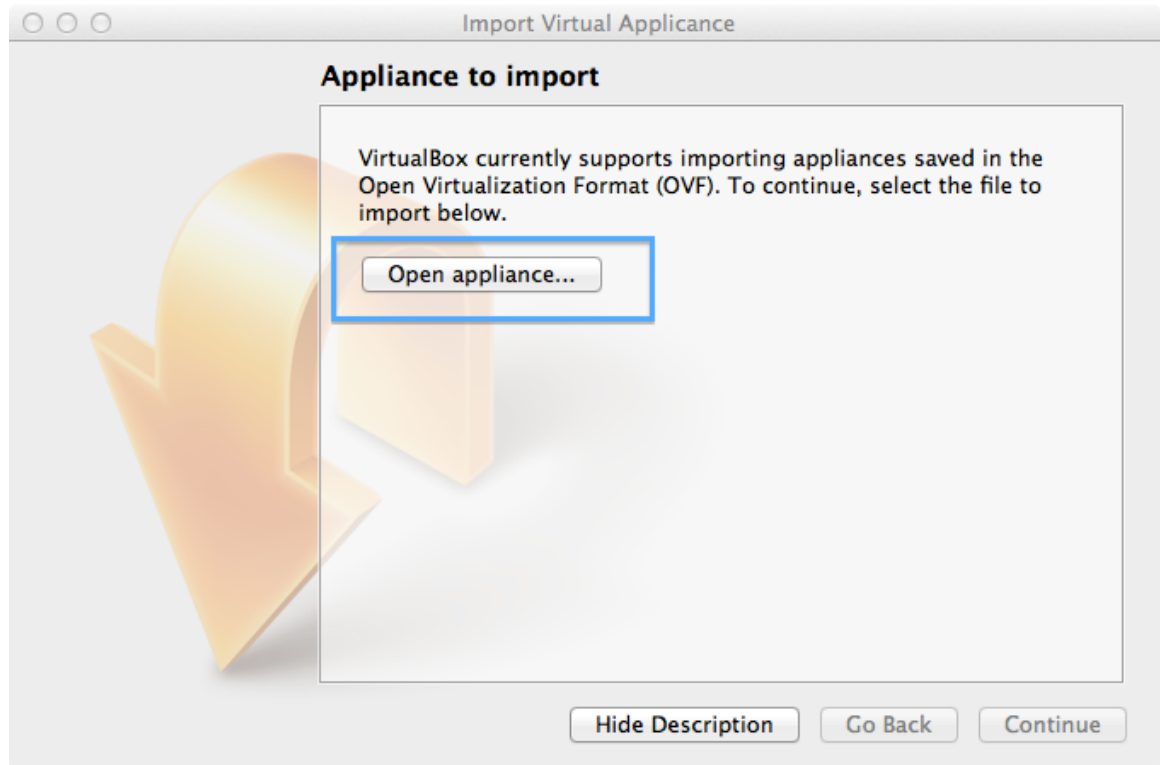
Change the Auto-Capture preference. **VirtualBox->Preferences** and select **Input** in the top bar. Uncheck **Auto-Capture Keyboard**.



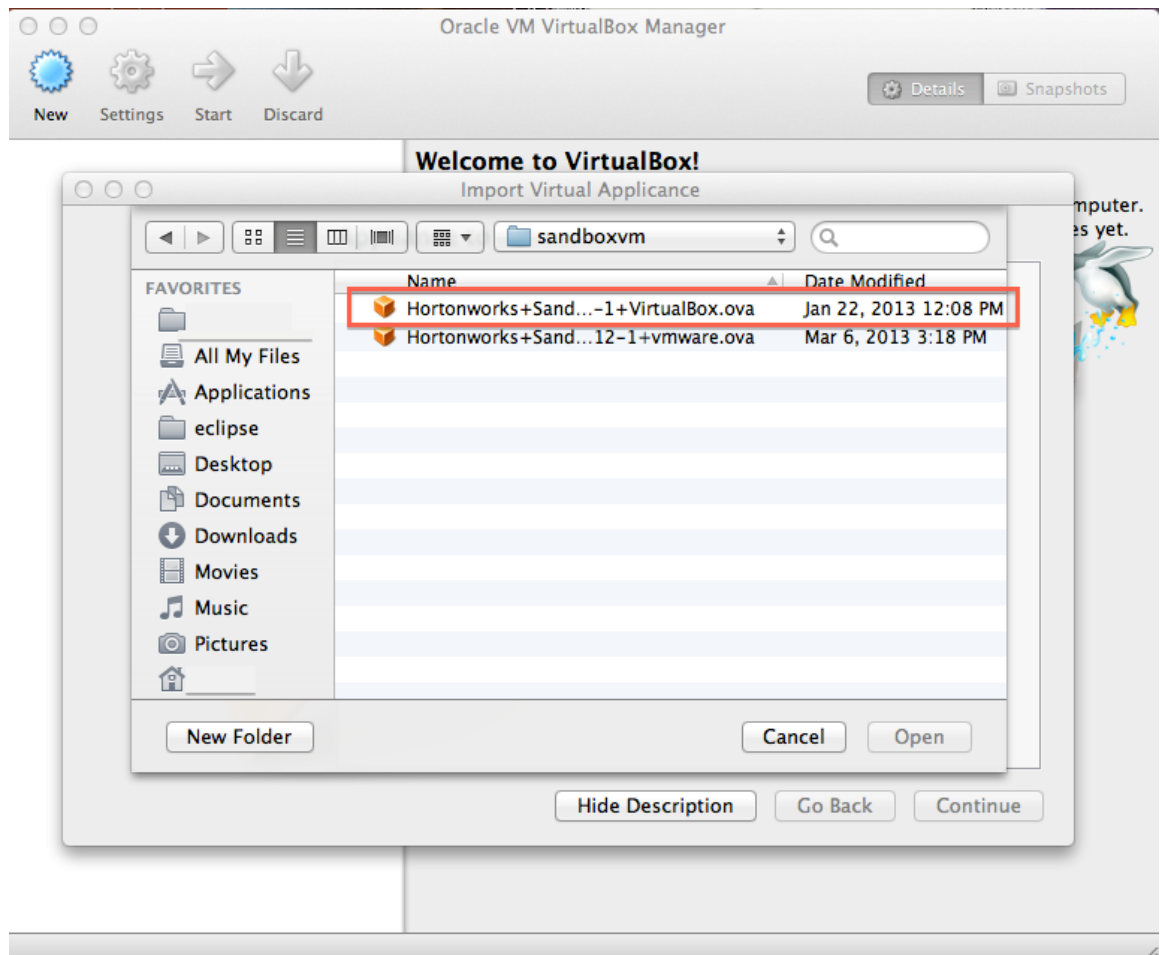
2. Import the Sandbox appliance file: **File->Import Appliance**



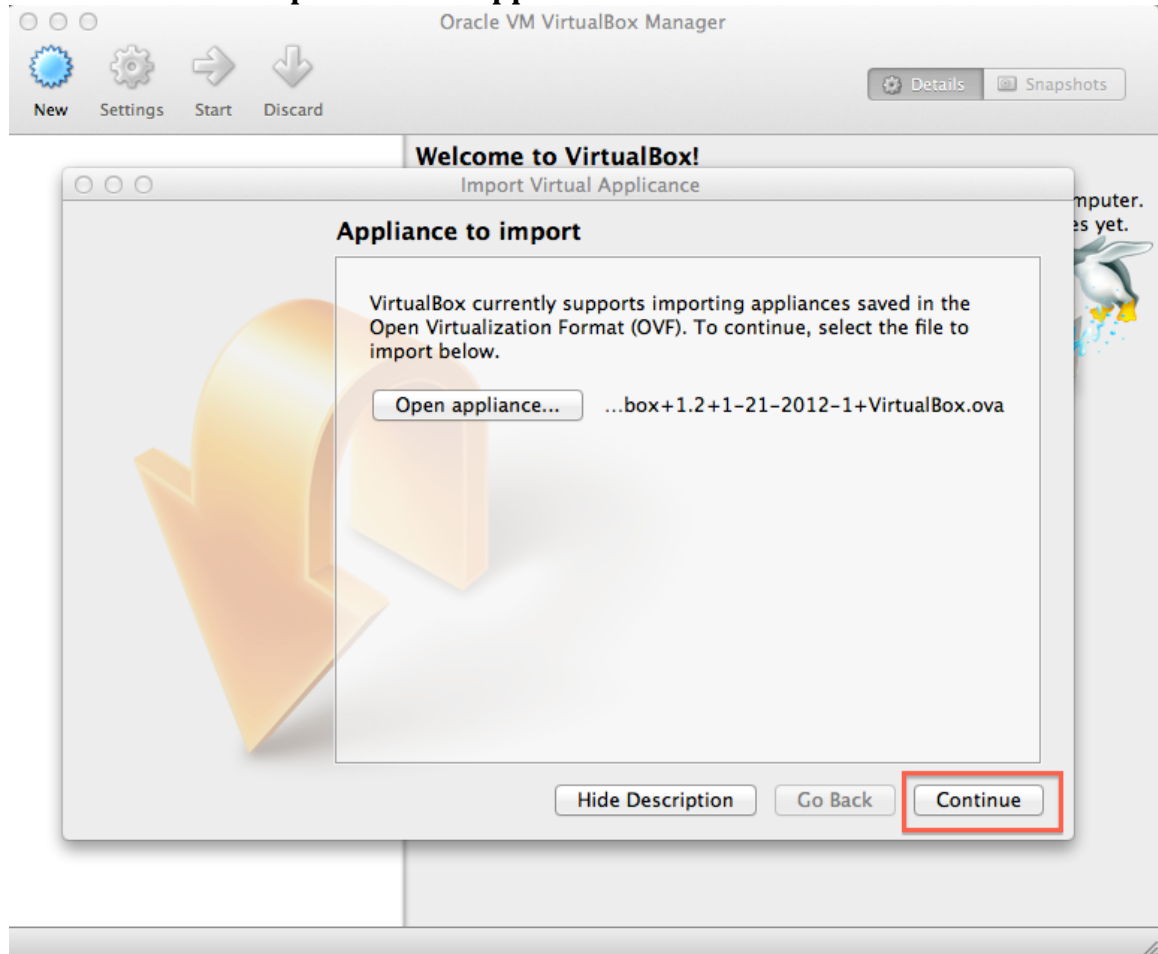
4. The **Import Virtual Appliance** screen opens.



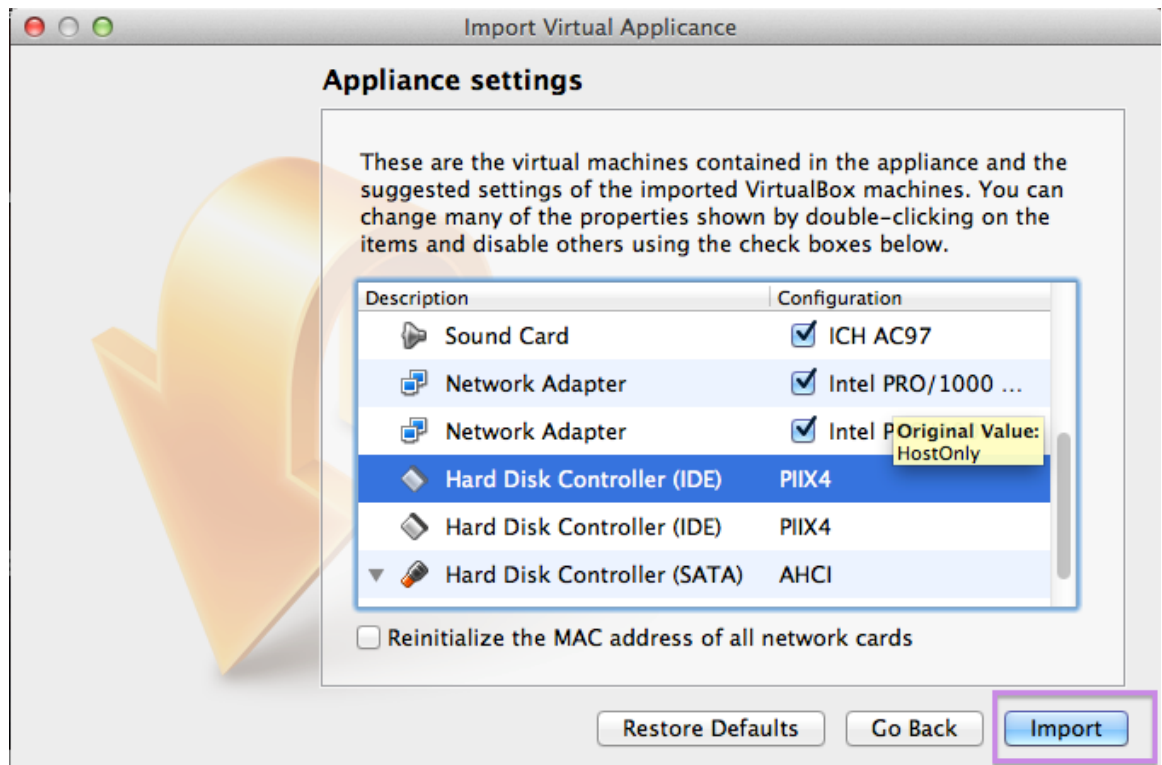
5. Click the **Open appliance** button; the file browser opens. Make sure you select the correct appliance. In this case, the top file is the VirtualBox formatted file. Click the **Open** button.



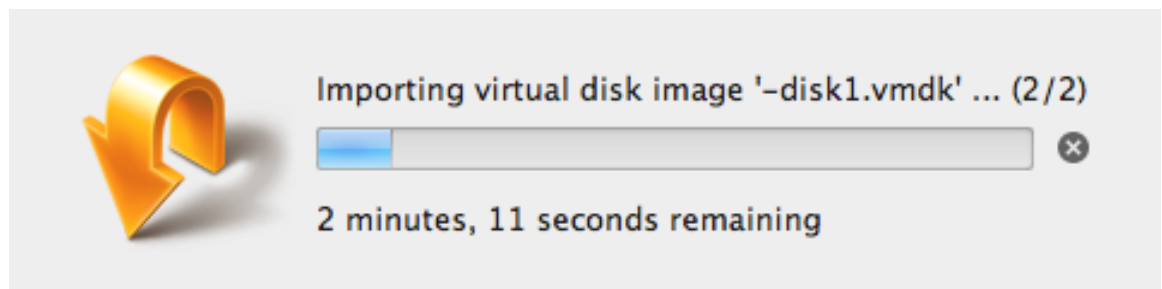
6. You return to the **Import Virtual Appliance** screen. Click **Continue**.



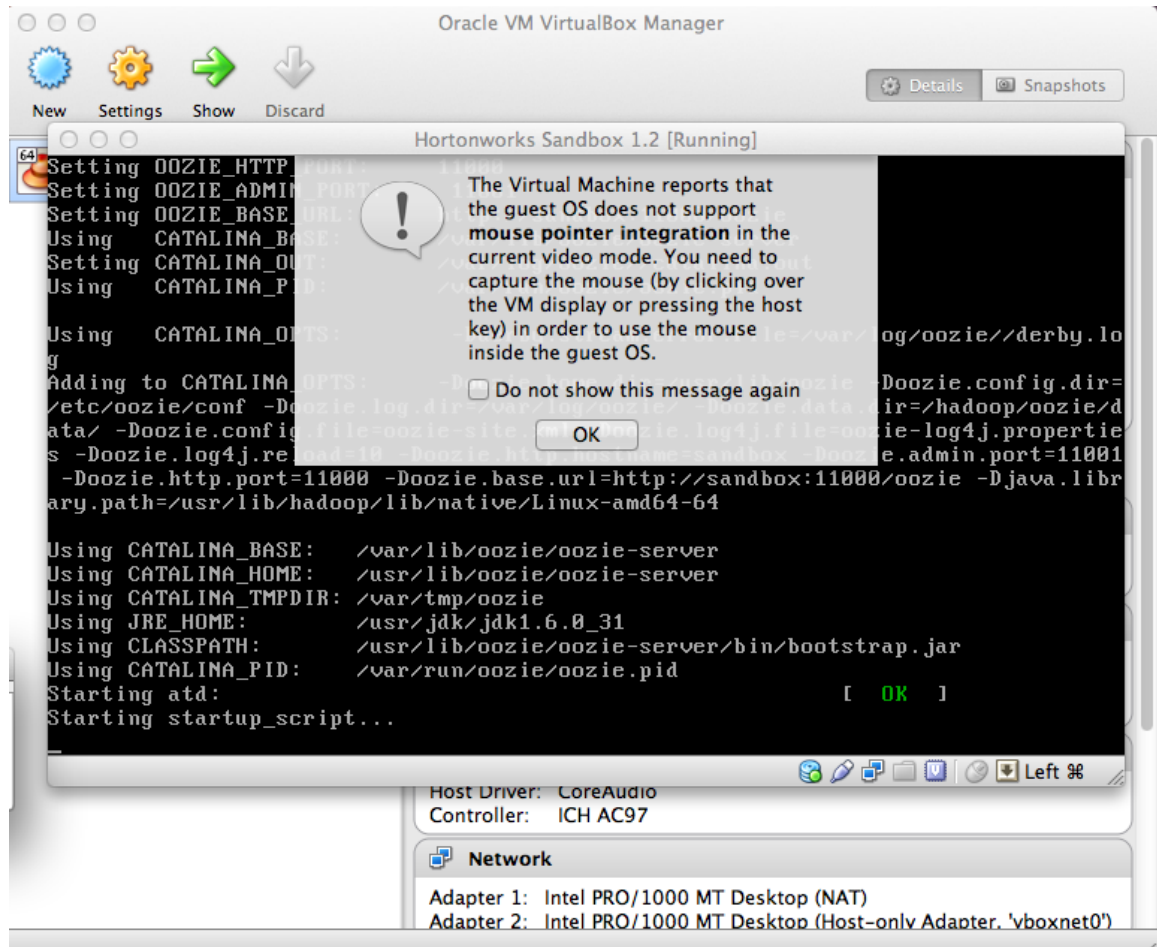
7. The **Appliance settings** screen appears. The default settings should work. Click **Import**.



8. The appliance is imported.

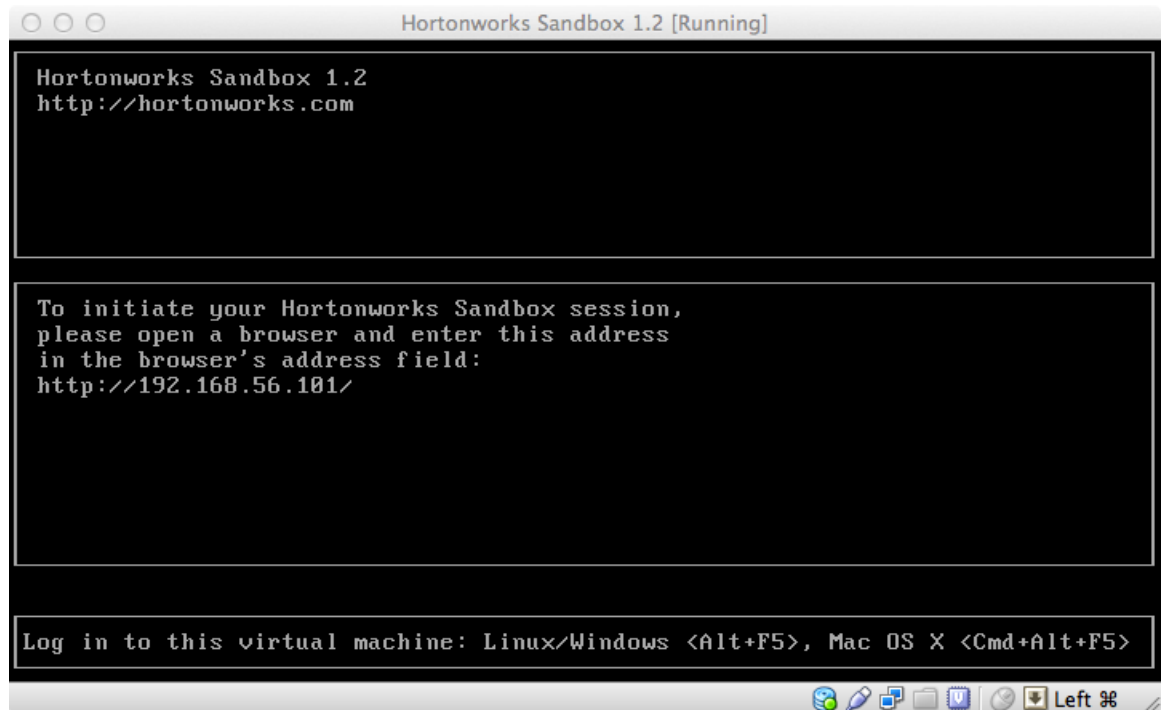


9. Turn on the Sandbox. Select the appliance and click the green **Start** arrow. A console window opens and displays an information screen. Click OK to clear the info screen.

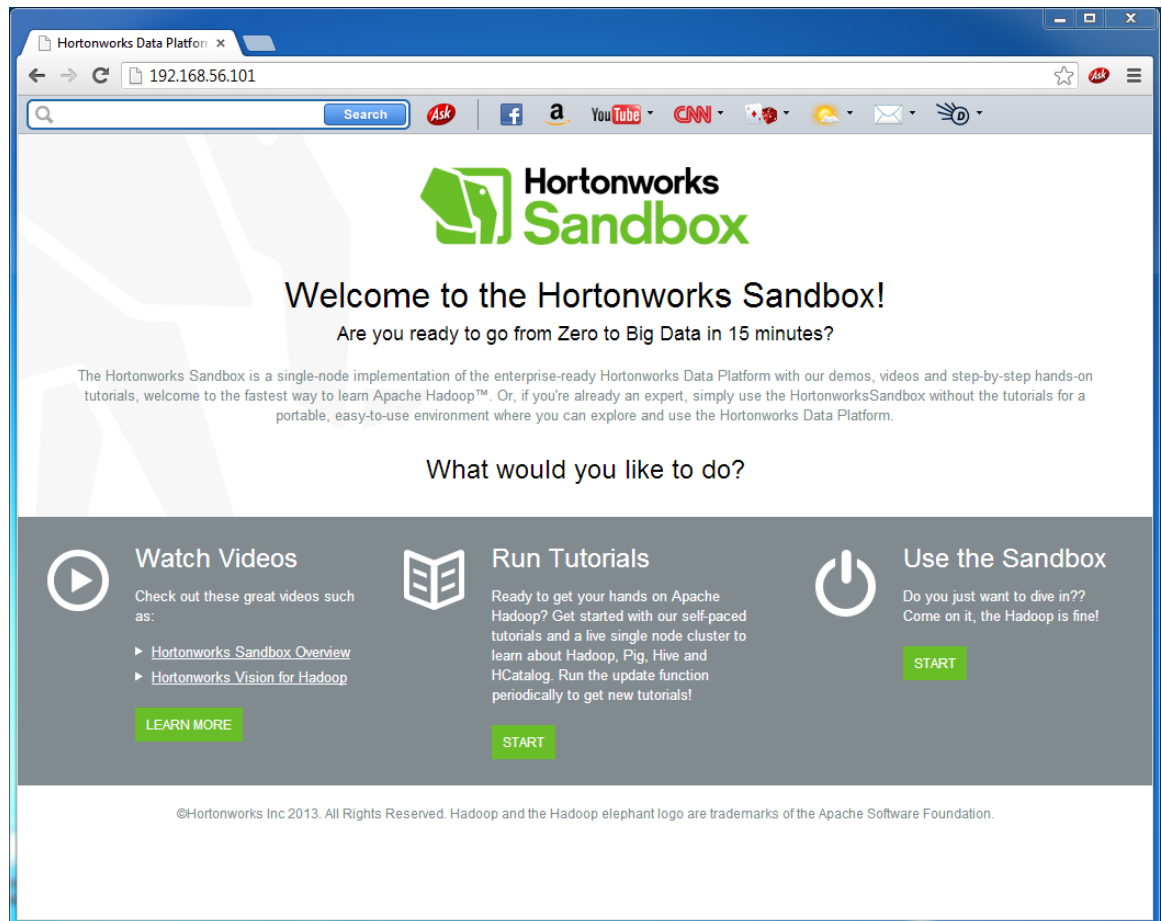


Because what is being displayed is a conceptually separate machine, control of the mouse and the keyboard must be passed back and forth between the host and the VM. This is particularly useful when the VM has a GUI. In the case of the Sandbox appliance, however, you never need to use your keyboard or your mouse inside the Sandbox console window. If you accidentally let the console “capture” your mouse or keyboard, you can release them back to the host machine by pressing the **Left Command** key. There’s a prompt in the lower right corner of the console window if you forget. Click **OK**.

10. Wait while the VM boots up. When the process is complete, the console displays the login instructions for the Sandbox.



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



The Sandbox GUI is displayed. Enjoy.