

# Installing Hortonworks Data Platform

## 2.1 Technical Preview – 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 HDP 2.1 Technical Preview VM 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/HDP 2.1 Technical Preview VM>.

#### Virtual Machine Overview

The HDP 2.1 Technical Preview VM 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 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 HDP 2.1 Technical Preview VM 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).

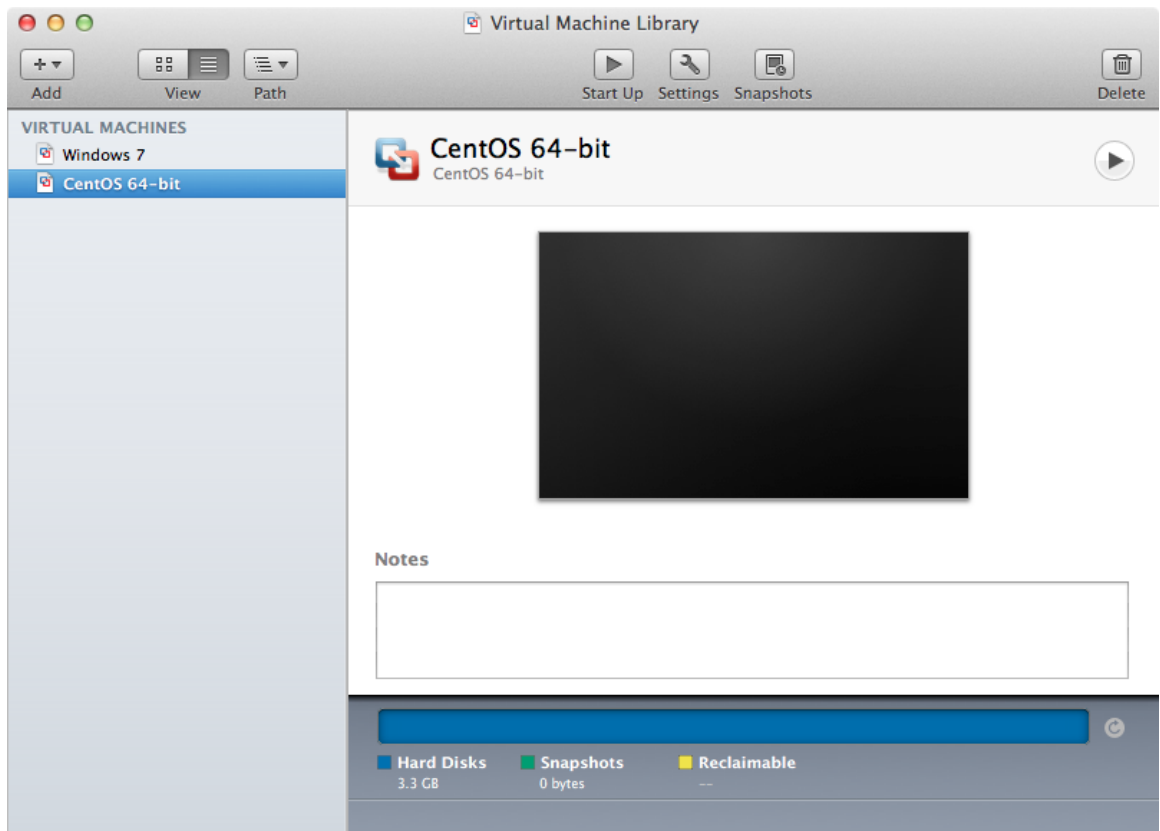
In general, the default settings for the environments can be used.

## Installing on a Mac using VMware Fusion

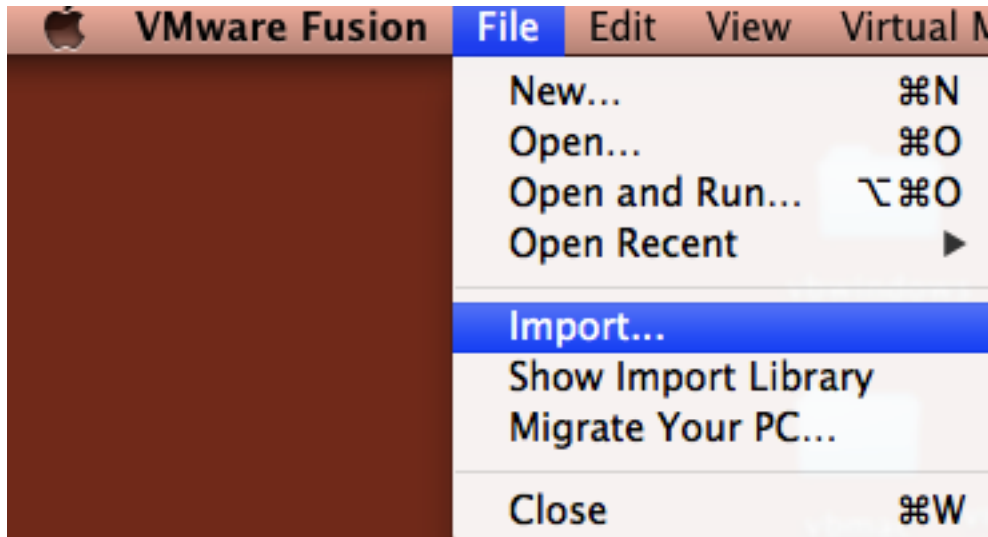
1. Open VMware Fusion.  
Double click:



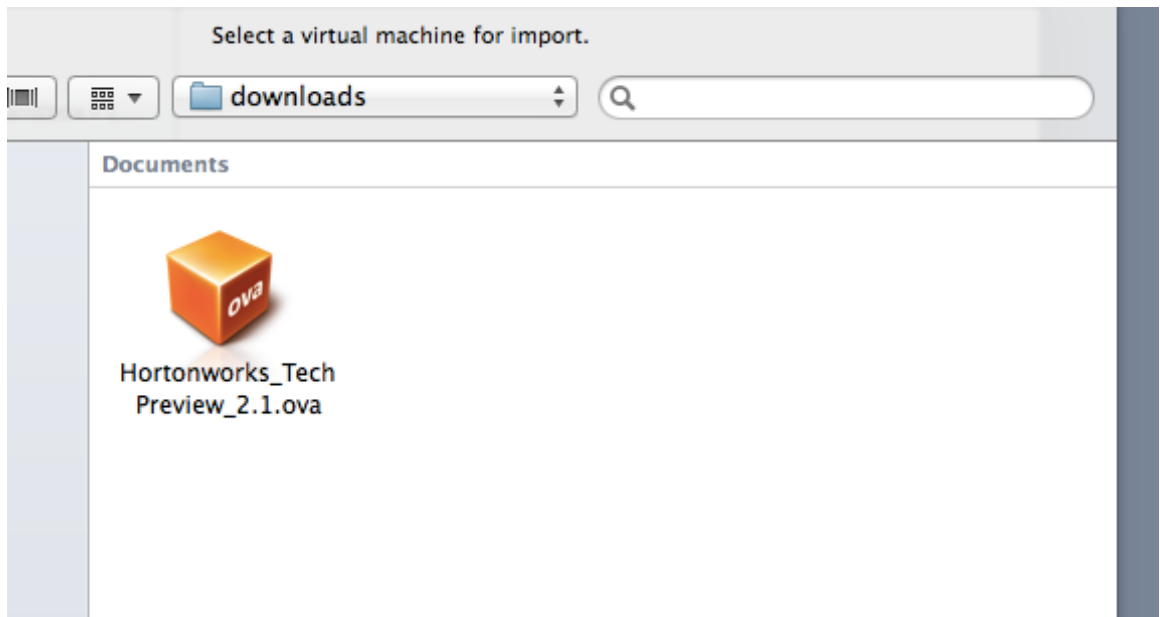
2. The VMware **Virtual Machine Library** is displayed. If you do not have other VMs installed, it will look slightly different.



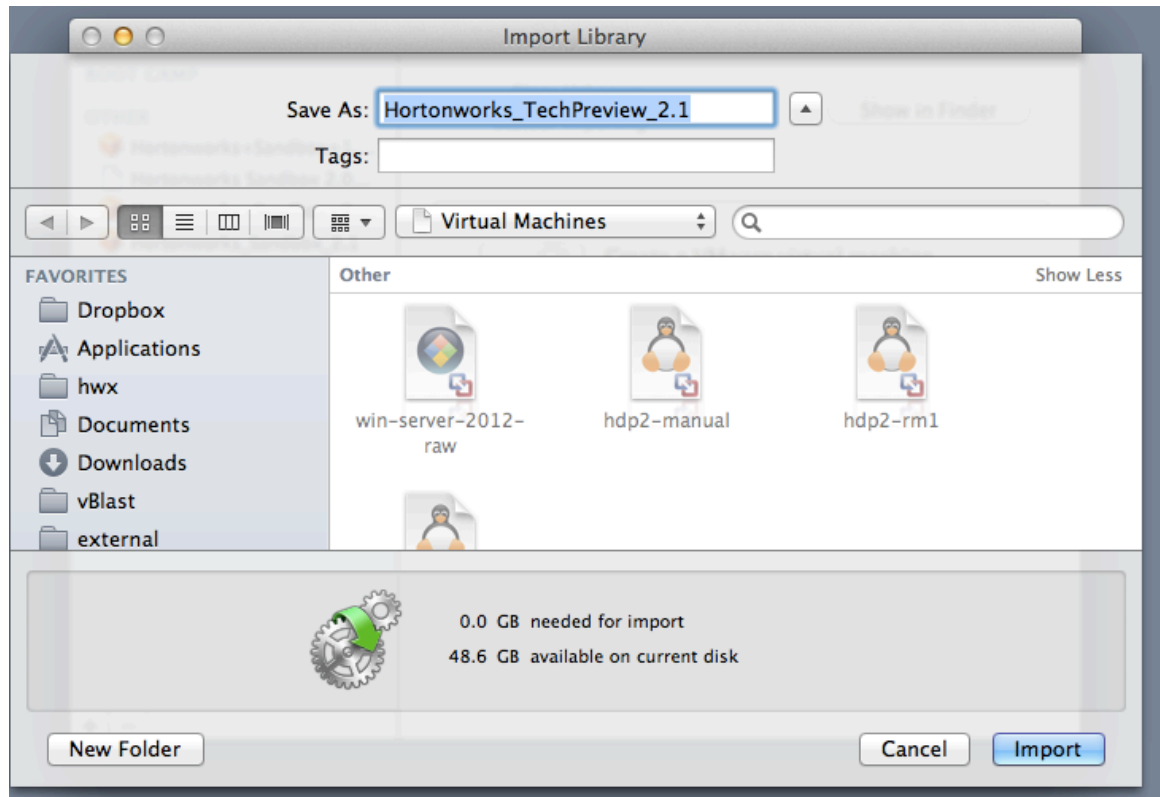
3. Click **File -> Import**.



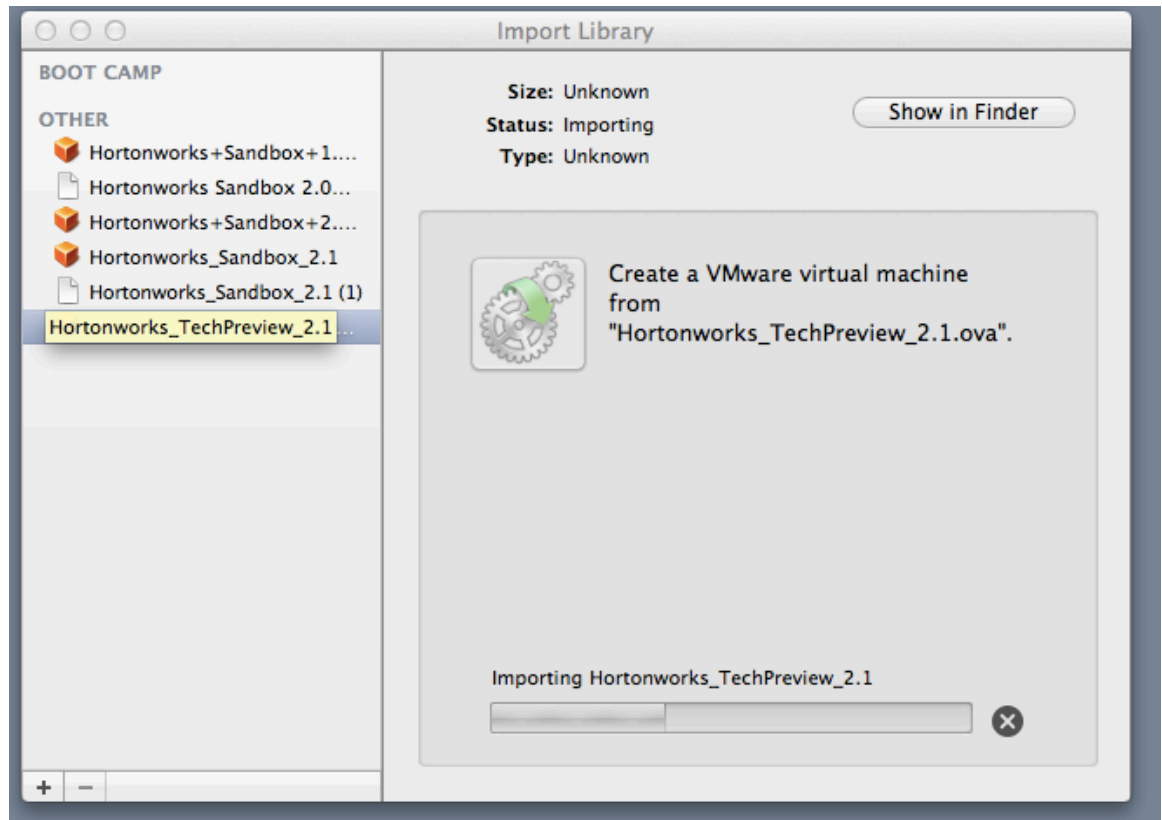
4. The file browser opens. Select the appropriate HDP 2.1 Technical Preview VM appliance file. Click **Open**.



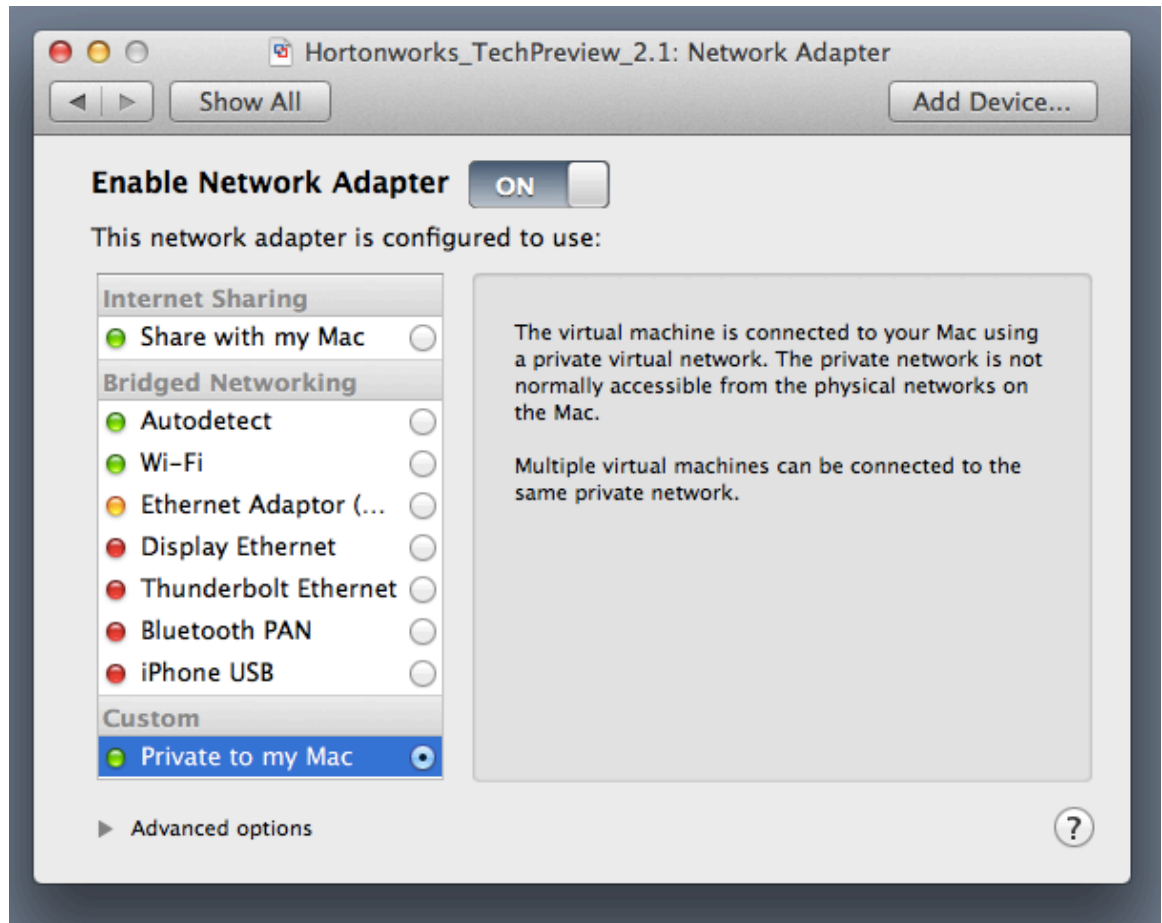
5. **Import Library** opens. Unless you have specific needs, the default values are fine. Click **Import**.



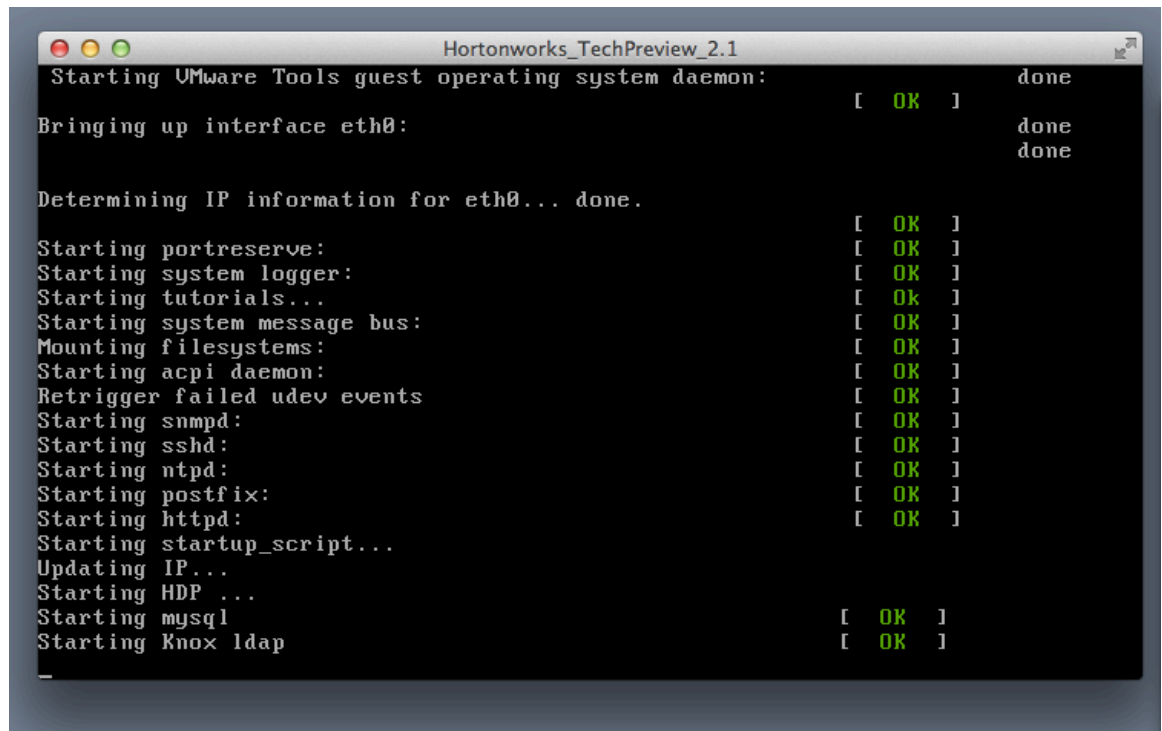
6. The appliance is imported. A console window opens and the VM shows up in the **Virtual Machine Library**.



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**.

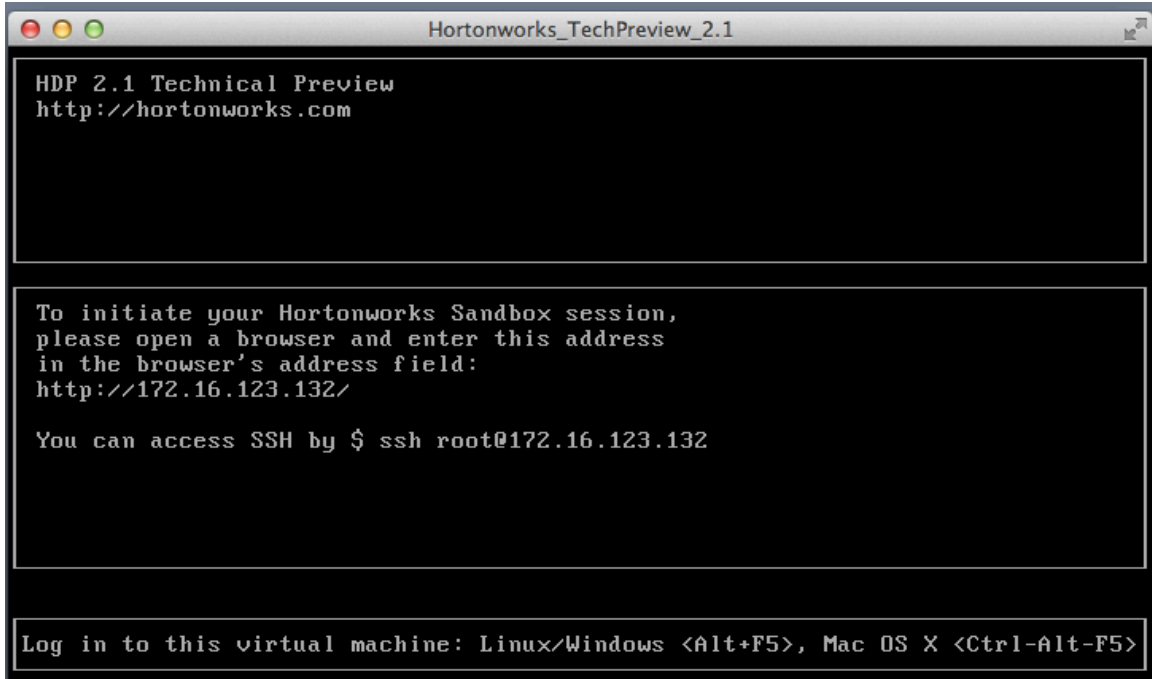


8. You can power on the virtual machine using the big arrow on the console window or the **Power On** button in the **Library Window**. The HDP 2.1 Technical Preview VM boots up.



```
Hortonworks_TechPreview_2.1
Starting VMware Tools guest operating system daemon: [ OK ] done
Bringing up interface eth0: done
done
Determining IP information for eth0... done.
Starting portreserve: [ OK ]
Starting system logger: [ OK ]
Starting tutorials... [ OK ]
Starting system message bus: [ OK ]
Mounting filesystems: [ OK ]
Starting acpi daemon: [ OK ]
Retrigger failed udev events [ OK ]
Starting snmpd: [ OK ]
Starting sshd: [ OK ]
Starting ntpd: [ OK ]
Starting postfix: [ OK ]
Starting httpd: [ OK ]
Starting startup_script...
Updating IP...
Starting HDP ...
Starting mysql [ OK ]
Starting Knox ldap [ OK ]
```

When the HDP 2.1 Technical Preview VM has finished starting up, the console displays the login instructions.

A screenshot of a terminal window titled "Hortonworks\_TechPreview\_2.1". The terminal has a black background with white text. The text inside the terminal reads: "HDP 2.1 Technical Preview" followed by "http://hortonworks.com" on the next line. There is a large empty space below this. Then, it says "To initiate your Hortonworks Sandbox session, please open a browser and enter this address in the browser's address field:" followed by "http://172.16.123.132/". Below that, it says "You can access SSH by \$ ssh root@172.16.123.132". At the bottom of the terminal, there is a light gray bar with the text "Log in to this virtual machine: Linux/Windows <Alt+F5>, Mac OS X <Ctrl-Alt-F5>".

```
HDP 2.1 Technical Preview
http://hortonworks.com

To initiate your Hortonworks Sandbox session,
please open a browser and enter this address
in the browser's address field:
http://172.16.123.132/

You can access SSH by $ ssh root@172.16.123.132

Log in to this virtual machine: Linux/Windows <Alt+F5>, Mac OS X <Ctrl-Alt-F5>
```

**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 HDP 2.1 Technical Preview VM appliance, however, you never need to use your keyboard or your mouse inside the HDP 2.1 Technical Preview VM 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 **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.