

Virtual Machine Installation Steps

1. Click on the below link to install virtual machine

<http://www.oracle.com/technetwork/database/enterprise-edition/databaseappdev-vm-161299.html>

2. Scroll down and click accept

- Oracle Linux 7
- Oracle Database 12c Release 1 Enterprise Edition (12.1.0.2 with In-Memory Option)
- Oracle XML DB
- Oracle SQL Developer 4.1
- Oracle Application Express 5.0
- Hands-On-Labs (accessed via the Toolbar Menu in Firefox)

Requirements

- At least 2GB RAM. Default VM is 1G RAM, for better performance increase.
- At least 15GB of free space (Note: virtualization works best with contiguous space so it is a good idea if on Windows to run a defrag program, and make sure you are using NTFS for your file system to handle large files on Windows.)
- 2GHz Processor (a lesser processor will be acceptable but slower)
- Mozilla Firefox 2.0 or higher, Internet Explorer 7 or higher, Safari 3.0 and higher or Google Chrome 1.0 or higher
- Adobe Acrobat reader
- Admin privileges on your box

Setup

You must accept the [OTN VM Agreement](#) to download this software.

Accept License Agreement | **Decline** License Agreement

Step 1. Download and install [Oracle VM VirtualBox](#) on your host system.

Step 2. Download the files (the use of a [download manager](#) is **highly recommended**):

 [Oracle DB Developer VM](#) (6,815,531,008 bytes, md5sum: 02576e9402d5e4609a5fd012ff96765c)

Step 3. Import your VM: [File > Import Appliance](#) to launch Appliance Import Wizard. Click [Choose...](#) to browse to the directory you re-assembled all the files in and select the [OTN_Developer_Day_VM.ova](#) then click [Next>](#) to begin importing the virtual machine. It will prompt you to agree to the appropriate developer licenses while importing. You will see 'Oracle Developer Days (Powered Off)' when it is finished importing.

3. First click on “Step1: Download and Install **Oracle VM Virtual Box** on your host system”

4. Then click on “Platform Windows (32-bit/64-bit) Installer” depending on your OS. Mac users need to click on “Mac OS X”.

Oracle VM VirtualBox

Freely available for Windows, Mac OS X, Linux and Solaris x-86 platforms:

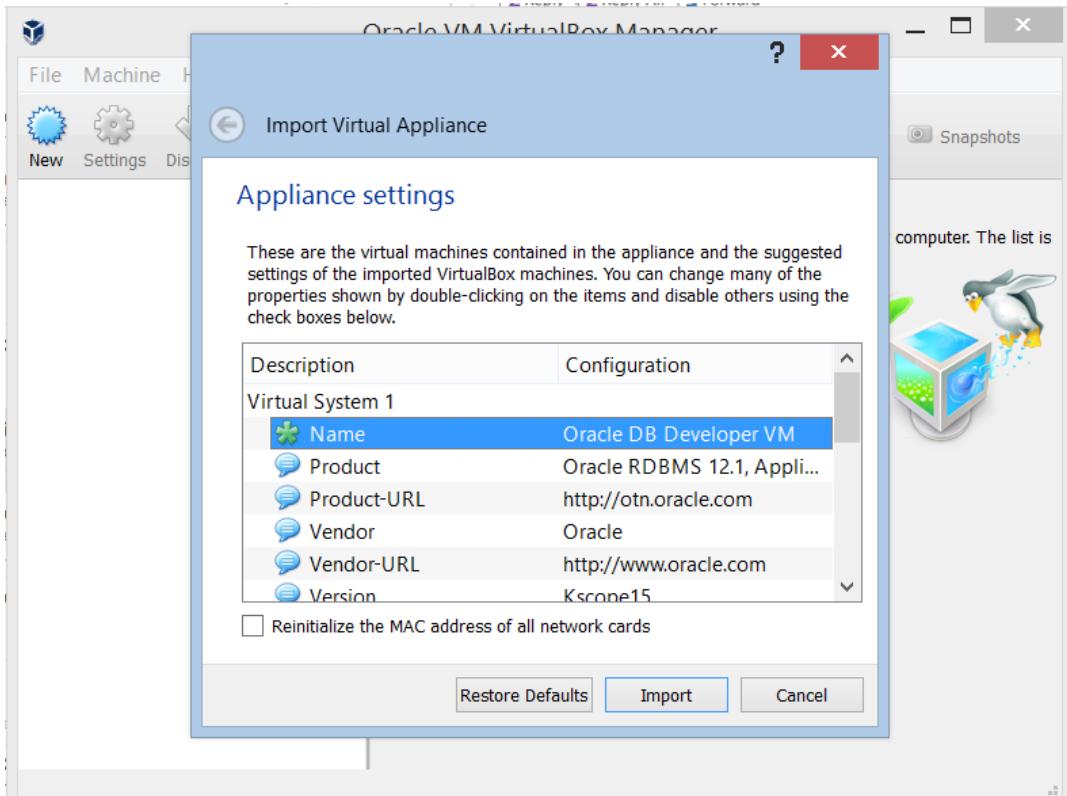
Platform	File
Windows (32-bit/64-bit)	 Windows Installer
Mac OS X	 dmg Image
Solaris 10 5/08 and later (64-bit)	 Solaris Package

5. After the installation is complete click on the “Step2: Oracle DB Developer VM” to download the OTN_Developer_Day_VM.ova file”

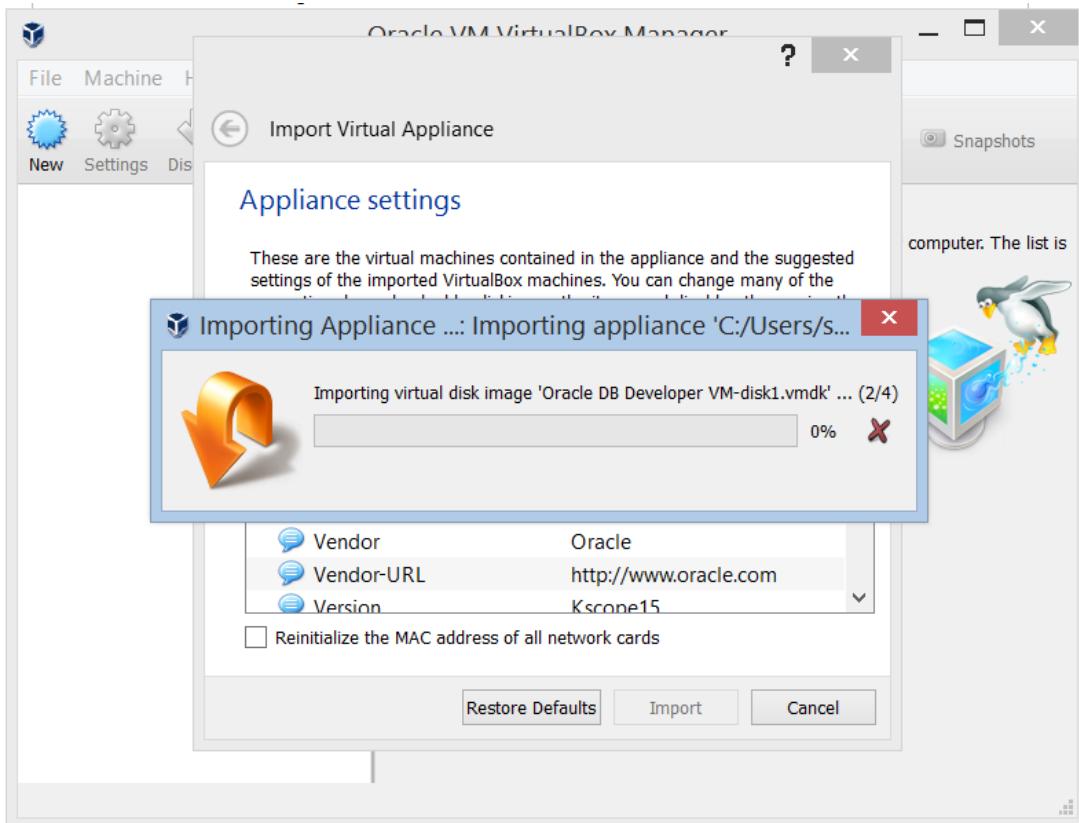
(Note: you will need to create an account on Oracle to install this file)

6. Open the Oracle VM to import your VM: **File > Import Appliance** to launch Appliance Import Wizard. Click **Choose...** to browse to the directory you re-assembled all the files in and select the **OTN_Developer_Day_VM.ova** then click **Next>** to begin importing the virtual machine.

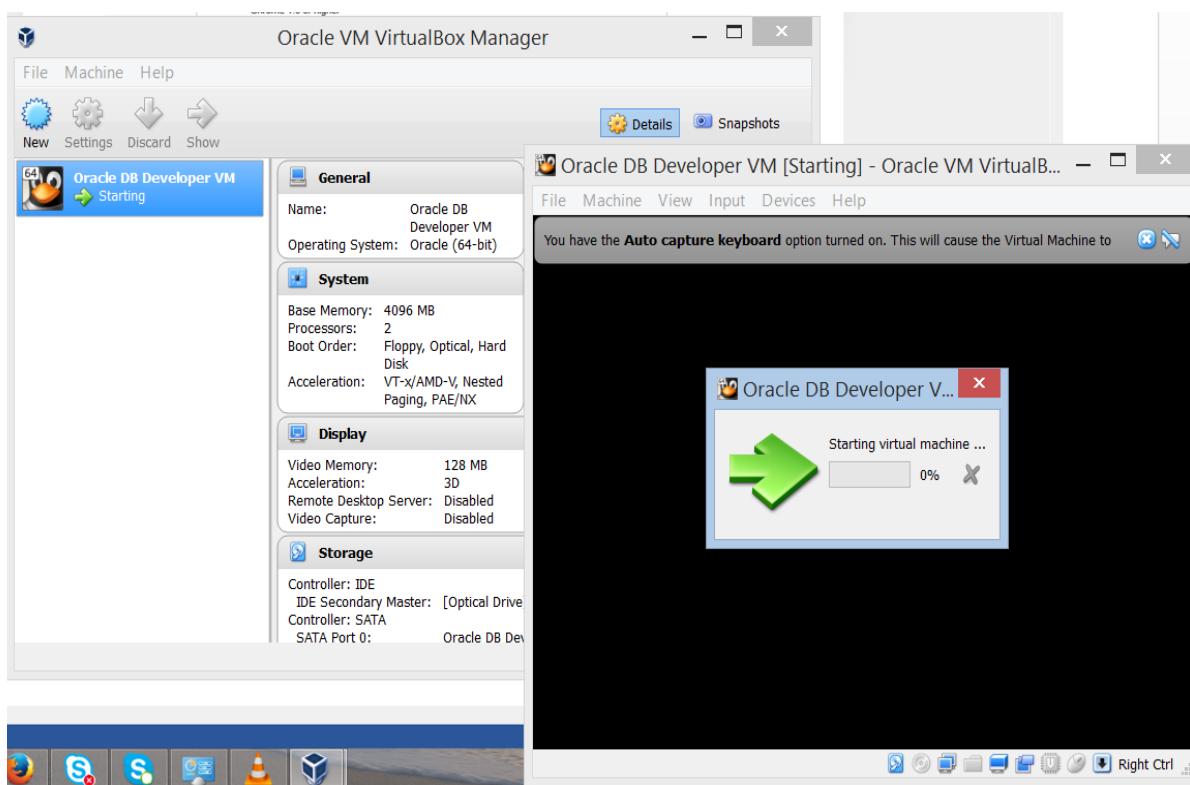
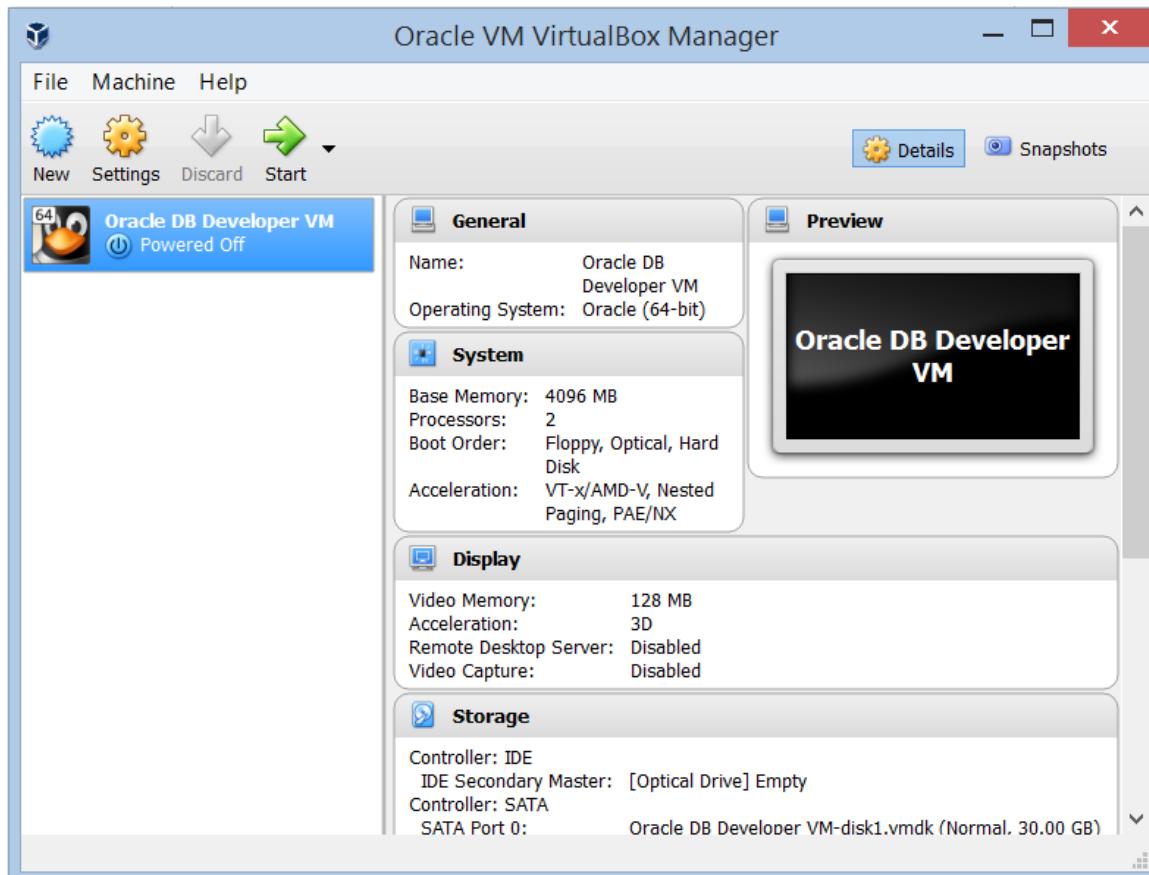
7. This will automatically load the .ova file into the virtual machine which has all the data.



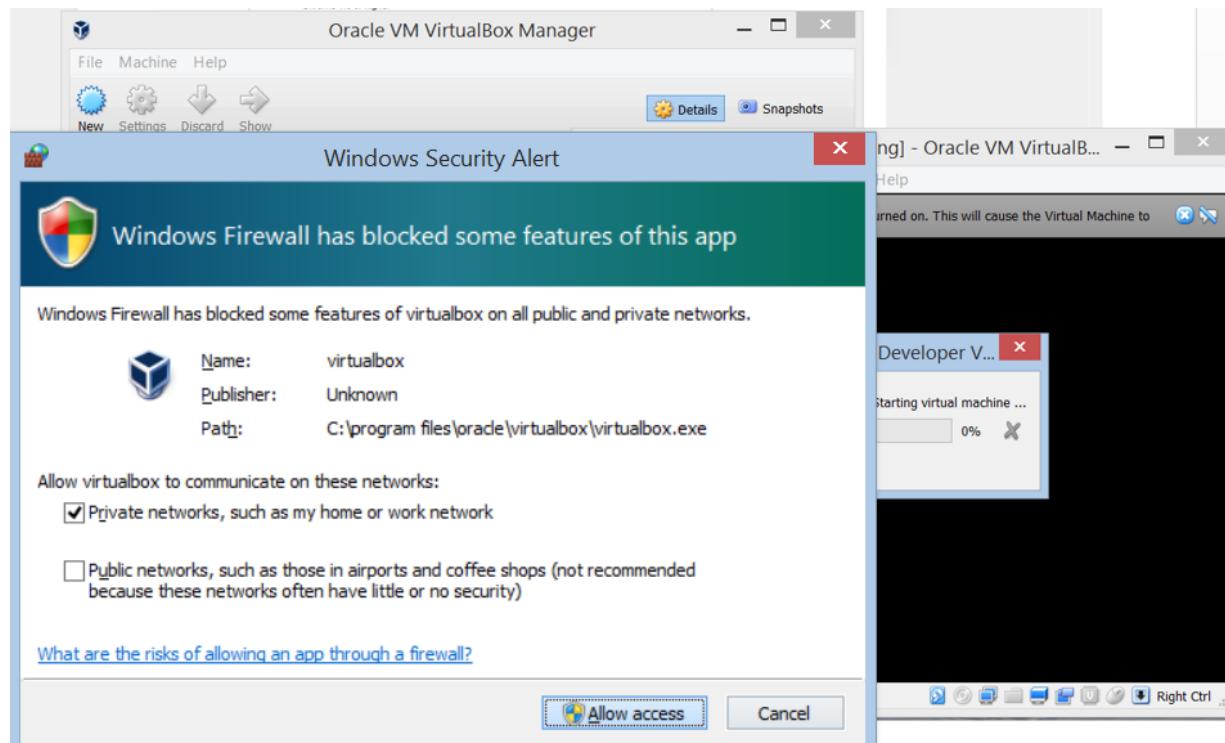
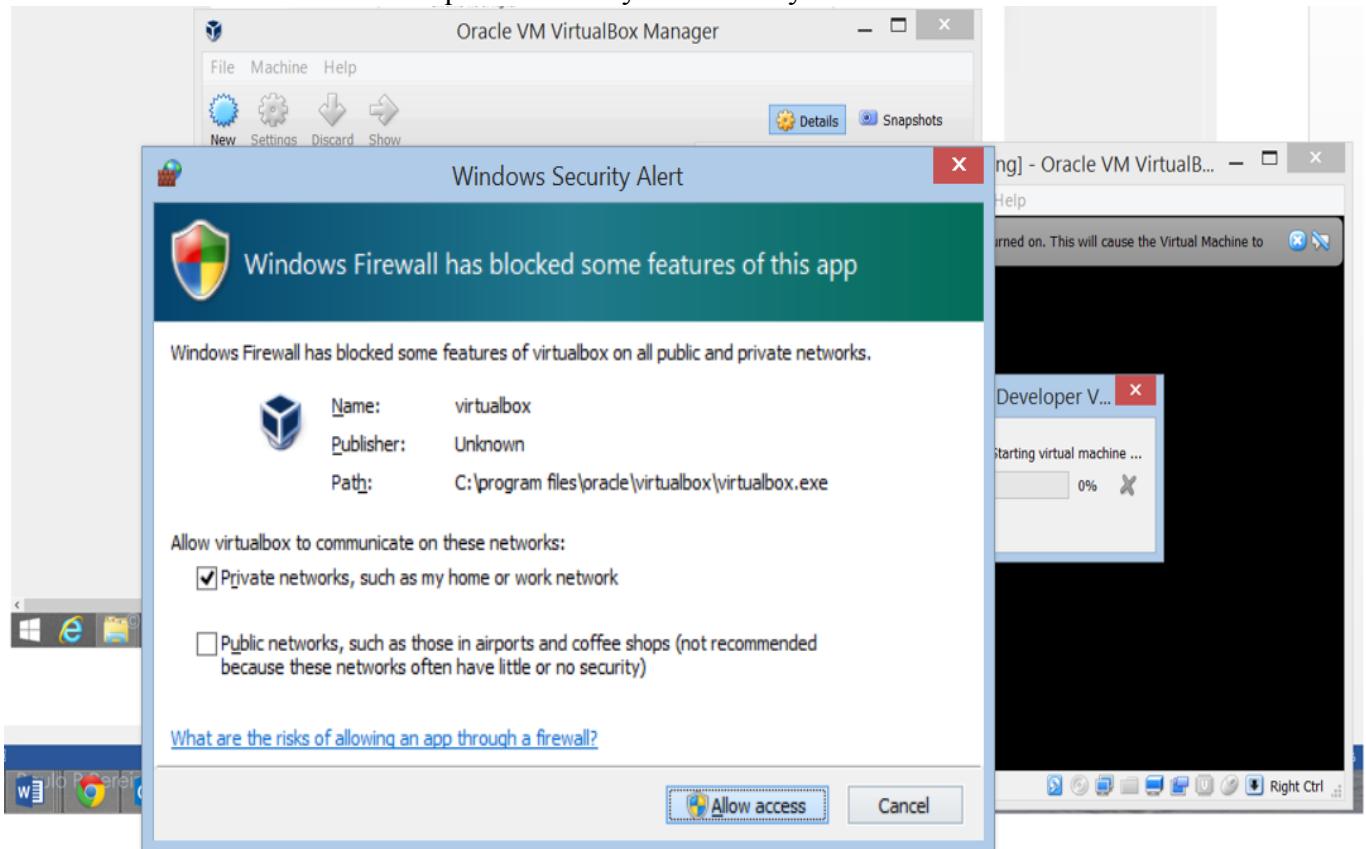
8. Wait till the process is complete.



9. After the file is uploaded in the Virtual Machine, you will see a small “penguin” icon on the left. Click on it and then click on the “Start” icon on the top to start the virtual machine.



10. Allow access to private networks whenever required as this will allow smooth installation of Oracle VM to load all the required files in your directory.



11. Once installation is complete you will be logged onto the Oracle VM which will be seen as shown in the below screenshot



12.

Inside this Linux box (white screen), check the ORACLE_HOME and ORACLE_SID path by using the following commands:
`echo $ORACLE_HOME` and `echo $ORACLE_SID`
It should be **ORACLE_HOME=/home/oracle/app/oracle/product/12.1.0/dbhome_1** and **ORACLE_SID=cdb1**

```
File Machine View Input Devices Help
Applications Places Terminal
File Edit View Search Terminal Help
All passwords are oracle or noted if otherwise.

The SQL Developer and Data Modeler scripts are in the directory:
/home/oracle/Desktop/Database_Track/sqldevdm
and
/home/oracle/Desktop/Database_Track/sqldev

The Application Express scripts are in the directory:
/home/oracle/Desktop/APEX_Track/files

To Reset the labs:
JSON      : /home/oracle/reset_json
XML DB   : /home/oracle/reset_xmldb
SQL Developer: /home/oracle/reset_sqldev
Application Express: /home/oracle/reset_apex
REST Data Services : /home/oracle/reset_rest
Soup to Nuts : /home/oracle/reset_soup
-- APEX Labs Only /home/oracle/reset_soup_apex_only

Database Information:
Oracle SID   : cdb1
Pluggable DB : orcl

ALL PASSWORDS ARE : oracle

*** Please note that this appliance is for testing purposes only,
as such it is unsupported and should not be used as a production environment.

[oracle@localhost ~]$ echo $ORACLE_HOME
/home/oracle/app/oracle/product/12.1.0/dbhome_1
[oracle@localhost ~]$ echo $ORACLE_SID
cdb1
[oracle@localhost ~]$
```

13. Try to connect to the database using the command:

sqlplus scott@orcl
password: tiger

And check if you can connect to the database. [Refer the below steps]



The screenshot shows a terminal window titled "Oracle DB Developer VM [Running] - Oracle VM VirtualBox". The window has a menu bar with "File", "Machine", "View", "Input", "Devices", "Help", "Applications", "Places", and "Terminal". The "Terminal" tab is selected. The prompt "oracle@localhost:~\$ " is visible. The session starts with "SQL*Plus: Release 12.1.0.2.0 Production on Fri Aug 7 09:34:43 2015" and "Copyright (c) 1982, 2014, Oracle. All rights reserved.". It then asks for a password and displays the last successful login time. Finally, it shows the connection details: "Connected to: Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options".

```
oracle@localhost:~$ SQL*Plus: Release 12.1.0.2.0 Production on Fri Aug 7 09:34:43 2015
Copyright (c) 1982, 2014, Oracle. All rights reserved.

Enter password:
Last Successful login time: Fri Aug 07 2015 09:22:13 -07:00

Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options

SQL> 
```

Type exit to return to the Unix prompt. This indicates that the Oracle VM is ready for connection with SQL Developer.