

Software dev ramblings

Notes from the journey as a software dev

AUG 8 2012

How to install Oracle Database on Mac OS (Any Version)

25 Apr 2014 Update: This guide has been originally written 2 years ago describing Oracle 11gR2 DB installation. Now it has been revised for the latest Oracle 12cR1 DB.

Introduction

Installing Oracle DB on any Mac OS version is not an easy task. Official support was dropped from 10g onwards around the early days of Mac OS X and since then there has been endless questions online of how to go about later versions like Leopard (10.5), Snow Leopard (10.6), Lion (10.7), Mountain Lion (10.8) or Mavericks (10.9).

I have yet to find a consistent resource online of how to natively install the database and I have also tried my hands on binaries compilation and package transfers along all the previous versions with various, inconsistent results. I have to admit that this long-winded process gets too complicated for my taste and patience.

The people at Oracle have acknowledged this problem and have provided a neat solution abstracting all the complicated noise, packing up all the required tools and needed configurations in a single image file readily to be hosted as a VM in [VirtualBox](https://www.virtualbox.org) (<https://www.virtualbox.org>).

This is old news and although VirtualBox is well documented I haven't again found a single resource that is describing the process from top to bottom for my setup which is a Macbook Pro using WiFi therefore this detailed tutorial.

**General Note:* As the creators suggest Oracle XE should be used for testing purposes only. Also the majority of passwords on the VM have been setup by default to *oracle* and should be changed for obvious security reasons.

Step 1: Getting VirtualBox

This is as simple as any other installation on a Mac. All we have to do is grab our x86 version (assuming an Intel CPU) for Mac from the [official download page](https://www.virtualbox.org/wiki/Downloads) (<https://www.virtualbox.org/wiki/Downloads>).

25 Apr 2014 Update: Currently VirtualBox is @ version 4.3.10 and doesn't seem any different.

Step 2: Getting the VM file

This is the download page (<http://www.oracle.com/technetwork/database/enterprise-edition/databaseappdev-vm-161299.html>) and the download instructions are clear. The ova VM file is big ~4G so better start the download process on a browser that has an integrated download manager like Firefox if you have a slow connection or are frequently experiencing dropped connections.

Apparently this VM has been initially created for a developer's workshop but gets frequently updated with the latest and greatest of Oracle Client, Oracle SQL Developer and other tools. Various walkthroughs and other interesting tutorials are loaded-up on the VM awaiting to be discovered but all we care about is the Oracle 11gR2 DB which will be by default up and running when the VM is loaded into memory.

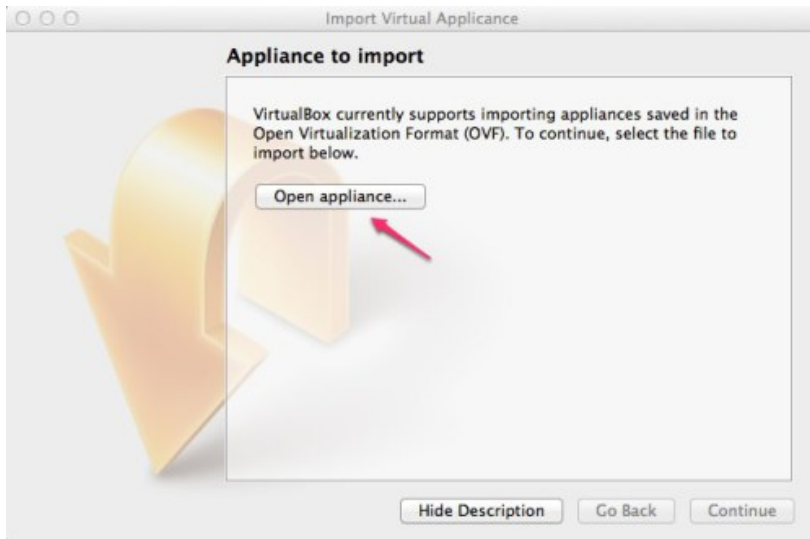
25 Apr 2014 Update: This is still the go-to place to get the OVA file. The difference is that the size of the file now spans ~ 5.22GB and has been prefixed with "OTN_" in the name. And of course it sports the latest Oracle 12cR1 DB along with the latest SQL Developer 4.

Step 3: Installing the Guest VM

Our host OS is apparently Mac OS and the guest VM is Oracle Linux 5 which is a branch off Red Hat Linux.

From the VirtualBox Menu we select **File > Import Appliance**

Then we make it point to the VM file we've just downloaded:

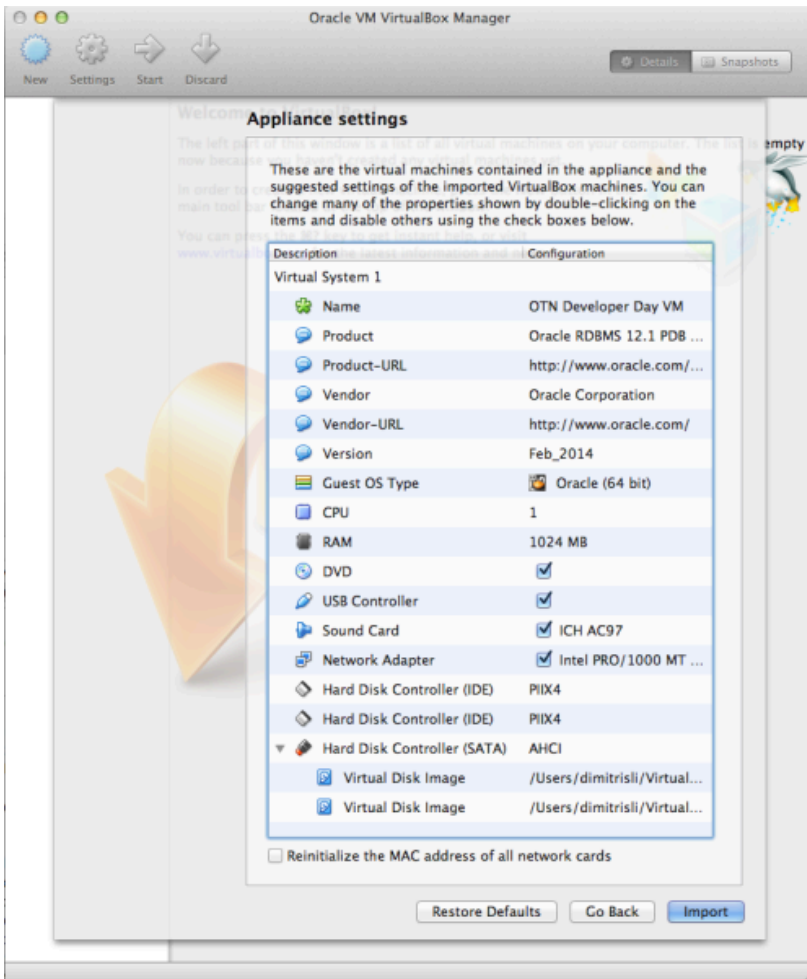


(<https://dimitrisli.wordpress.com/2012/08/08/how-to-install-oracle-database-on-mac-os-any-version/import-virtual-appliance-2/>)



(<https://dimitrisli.wordpress.com/2012/08/08/how-to-install-oracle-database-on-mac-os-any-version/virtualbox-1/>)

25 Apr 2014 Update: In the picture above as mentioned in the previous section the name should be "OTN_Developer_Day_VM.ova" and the size ~ 5.22GB.

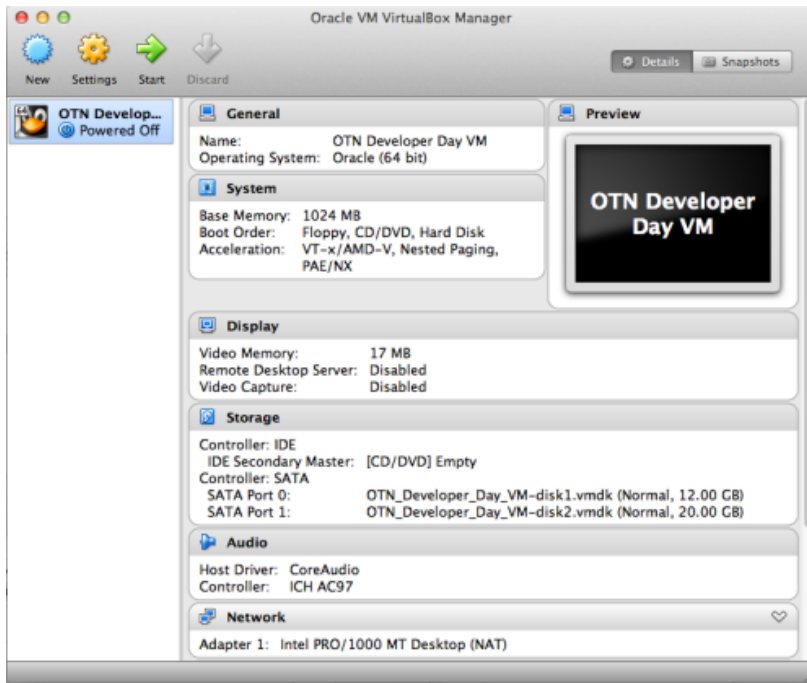


(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-1-importtovavirtualbox.png>)

[Click here for an older version of the picture above installing version 11gR2](#)

(<https://dimitrisli.files.wordpress.com/2012/08/import-virtual-appliance-3.jpg>)

After the import gets completed we are ready to start the VM:



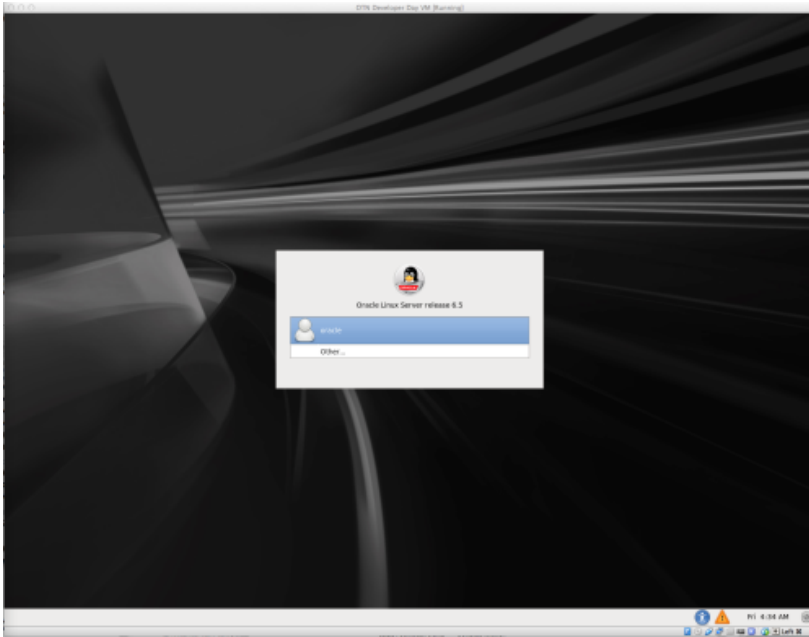
(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-2-importedintovirtualbox.png>)

[Click here for an older version of the picture above installing version 11gR2](#)

(<https://dimitrisli.files.wordpress.com/2012/08/oracle-vm-virtualbox-manager.jpg>)

Step 4: Starting the VM

Starting up the VM is as easy as inserting **oracle/oracle** when we are prompted for username/password:

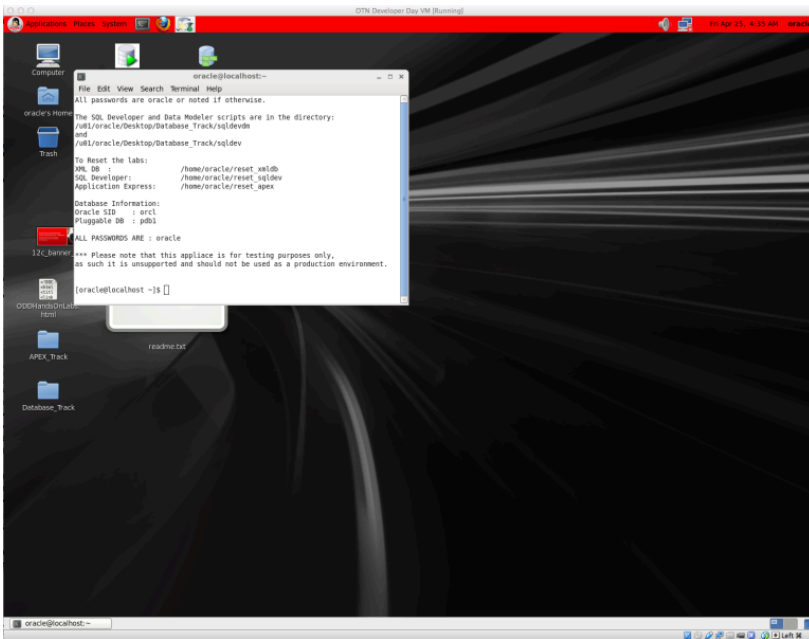


(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-3-loginscreen.png>)

[Click here for an older version of the picture above installing version 11gR2](#)

(<https://dimitrisli.files.wordpress.com/2012/08/skitch.jpg>)

When the OS boots up we are ready to go:



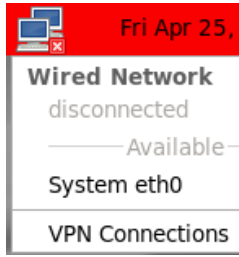
(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-4-loggedin.png>)

[Click here for an older version of the picture above installing version 11gR2](#)

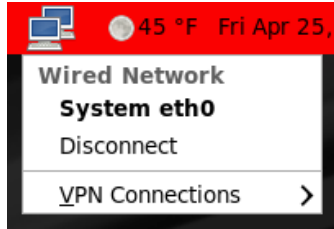
(<https://dimitrisli.files.wordpress.com/2012/08/skitch-1.jpg>)

Step 5a: Making Oracle DB visible – Internet Connectivity

On the top right of the VM there should be an icon denoting Internet connectivity on the VM. If by default it is disabled it might need a kick to connect and as long as your Host OS has Internet connectivity it will connect without issues:



(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-5-disconnectedbydefault.png>)



(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-6-connected.png>)

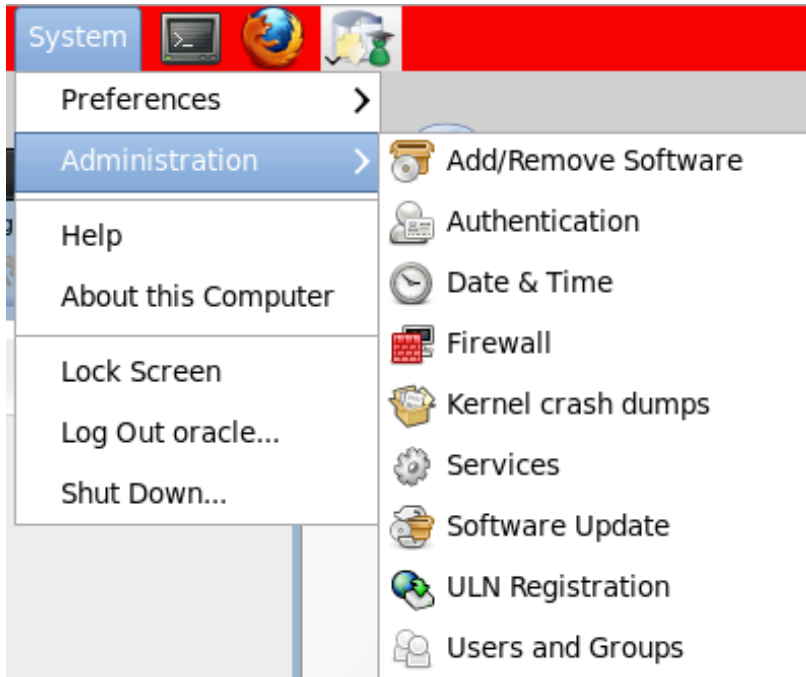
Step 5b: Making Oracle DB visible – Firewall

This is a tricky step that we didn't need to perform 2 years ago on that flavour of OracleOS that was hosting 11gR2.

Basically the OracleOS Firewall is activated by default. So we have two solutions:

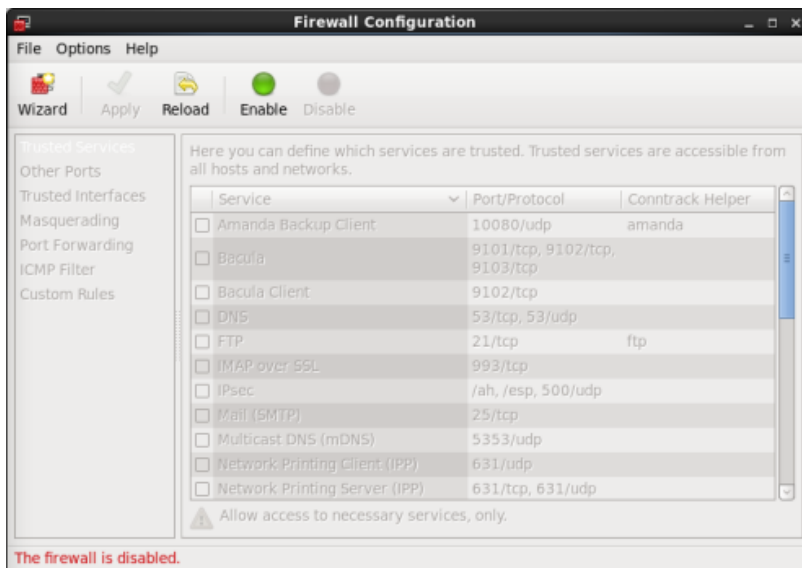
Solution 1 – Switch-off the OracleOS Firewall altogether

The Firewall is accessible via *System(top left)>Administration>Firewall*



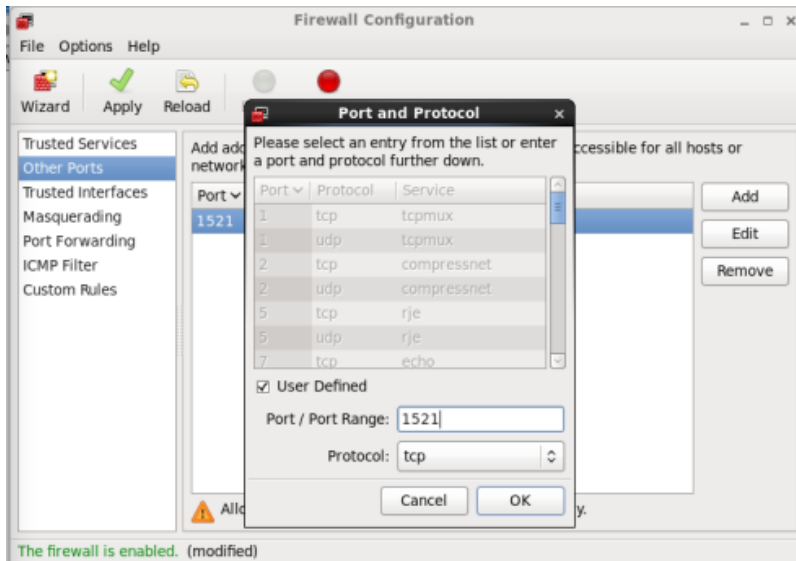
(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-7-accessfirewall.png>)

On the *Firewall Configuration* panel click on the Disable button and then the Firewall disabled should look like this:



(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-8-firewalldisabled.png>)

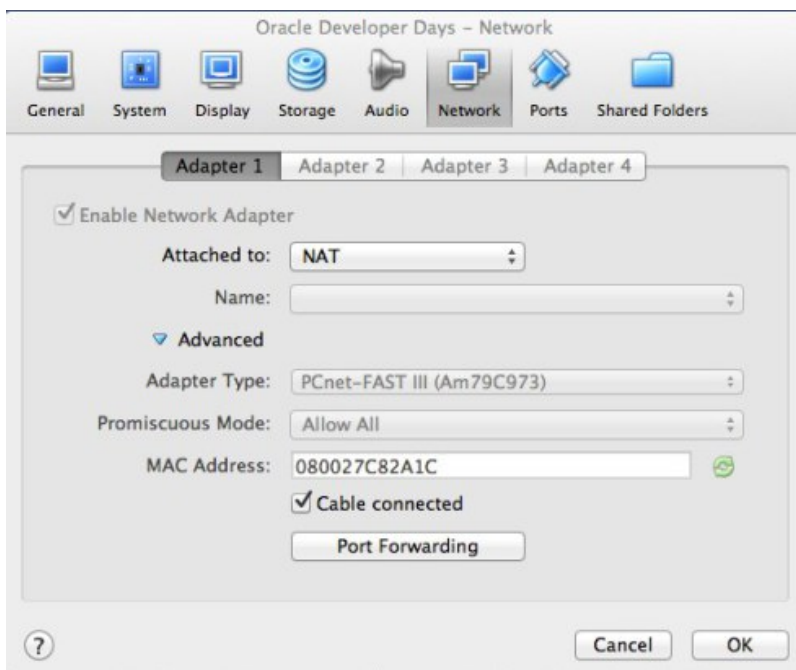
Solution 2 – Allow port 1521 in Firewall to be accessible remotely



(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-9-firewallport1521trusted.png>)

Step 5c: Making Oracle DB visible – VirtualBox PortForwarding

By default **VirtualBox** > **Devices** > **Network Adapters** is attached to an internal NAT that should hopefully give you access to Internet.

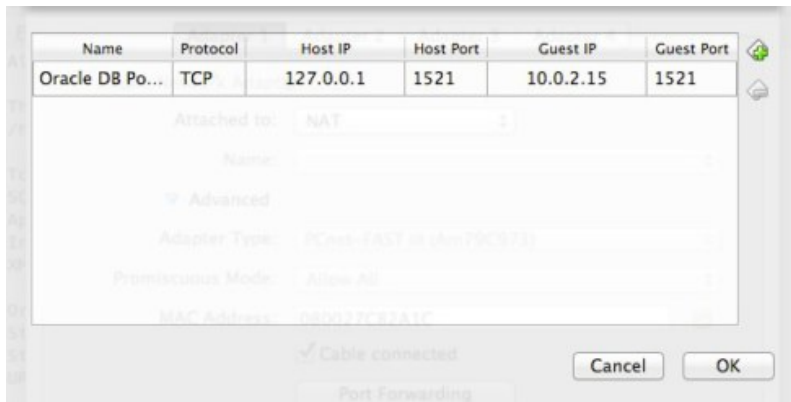


(<https://dimitrisli.wordpress.com/2012/08/08/how-to-install-oracle-database-on-mac-os-any-version/oracle-developer-days-network/>)

My setup is a MacBook Pro that is getting Internet via WiFi therefore I've tried to get the **Bridged Adapter** via WiFi to work that is initiating a more direct connection between the Host and Guest VM but to no avail. I've tried several things suggested out there such as reducing the MTU to 1496 or downgrading to IPv4 but without

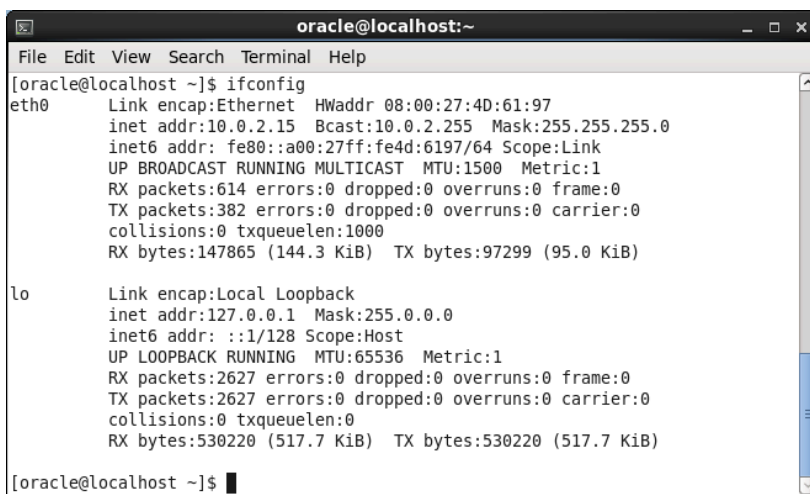
luck.

The solution lies in the **Port Forwarding** option under the Network Adapters picture above:



(<https://dimitrisli.wordpress.com/2012/08/08/how-to-install-oracle-database-on-mac-os-any-version/virtualbox-vm/>).

Here we define external requests coming from localhost (**127.0.0.1**) to the standard Oracle communication default **1521** TCP port to be forwarded to our Oracle VM with IP address **10.0.2.15** on the same port. The IP of the Oracle VM can be found by issuing *ipconfig* command on the terminal (3rd line, *inet addr*):



(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-13-findtheipaddr.png>).

[Click here for an older version of the picture above installing version 11gR2](#)

(<https://dimitrisli.files.wordpress.com/2012/08/oracle-developer-days-running.jpg>).

Step 6a: Testing external connectivity – via Telnet

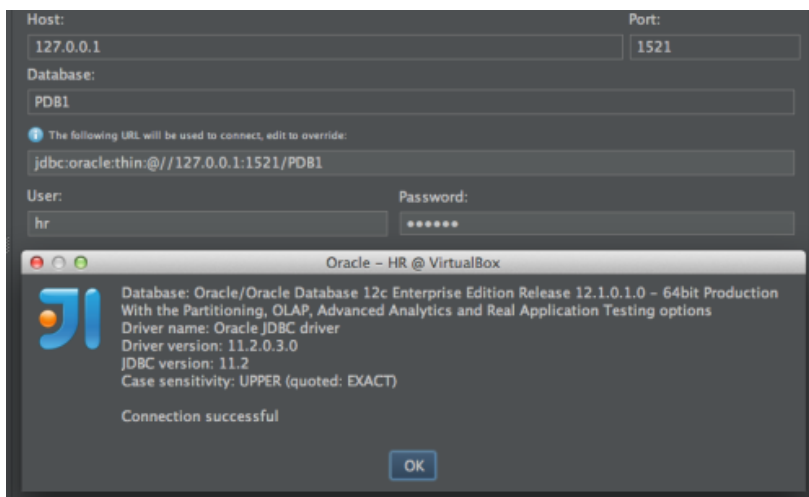
From the Host OS (Mac OS X Mavericks) we can test that we can connect to localhost at port 1521:

```
Dimitrisli-iMac:~ dimitrisli$ telnet 127.0.0.1 1521
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
█
```

(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-15-telnet.png>)

Step 6b: Testing external connectivity – via IDE

Also by using IntelliJ (13.1 in this example) datasource capabilities we can successfully connect to the Oracle's Sample HR database (username: **hr**, password: **oracle**):



(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-11-hrdbfromintellij.png>)

[Click here for an older version of the picture above installing version 11gR2](https://dimitrisli.files.wordpress.com/2012/08/25apr14-11-hrdbfromintellij.png)
(<https://dimitrisli.files.wordpress.com/2012/08/data-source-properties.jpg>)

25 Apr 2014 Update: Note the correct **connection jdbc url**:

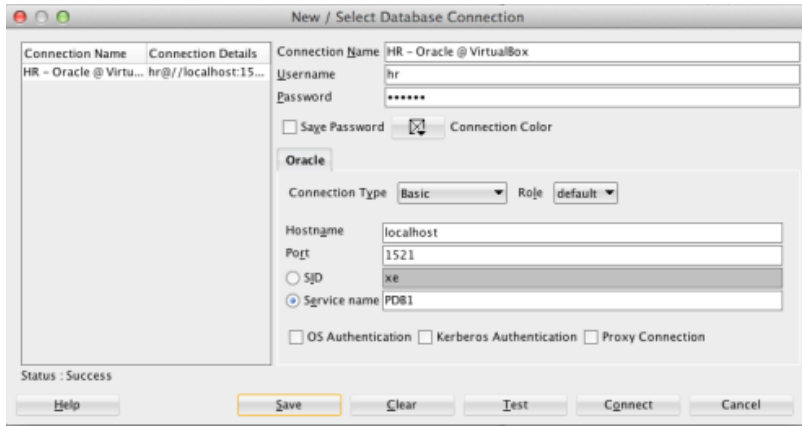
```
jdbc:oracle:thin:@//127.0.0.1:1521/PDB1
```

In prior version 11gR2 it used to be (*but this does not work anymore*):

```
jdbc:oracle:thin:@//127.0.0.1:1521:orcl
```

Step 6c: Testing external connectivity – via SQL Developer

SQL Developer 4 @ Mac OS X Mavericks:



(<https://dimitrisli.files.wordpress.com/2012/08/25apr14-12-hrdbfromsqldeveloperimac.png>)

Click here for an older version of the picture above installing version 11gR2 sporting SQL Developer 3 at the time (<https://dimitrisli.files.wordpress.com/2012/08/sqlserverconnection.jpeg>)

Conclusion

That's a quick, clean and bulletproof way of having the most recent Oracle DB running on a Guest VM not only on Mac OS but on any OS.

PS. If you have a Synology NAS like I do, you might want to [check out my detailed tutorial](https://dimitrisli.wordpress.com/2013/11/02/synology-virtualbox-and-iscsi/) (<https://dimitrisli.wordpress.com/2013/11/02/synology-virtualbox-and-iscsi/>) on how to host the VirtualBox VMs on the NAS and connect to it via the supported iSCSI protocol by VirtualBox clients installed on any home/work computer.

Advertisements

This 1 Mistake Ages You Faster Than Cigarettes

Gundry MD

Get the Best Walk-In Bathtub in Your Area!

BestReviews

This EdTech startup, founded by an ex



By dimitrisli • Posted in [Mac OS X](#), [Oracle](#), [Oracle DB](#) • Tagged [mac os x](#), [oracle](#), [Oracle 11gR2](#), [Oracle 12cR1](#), [oracle db](#)

65 comments on “How to install Oracle Database on Mac OS (Any Version)”

Aram S. Openden

APRIL 9, 2013 @ 5:39 PM

Awesome Post, Dimitrios. Thanks so much for putting this together.

Super helpful, as I need to do the same kind of setup for some testing for a Project.

REPLY

Amrit

MAY 10, 2013 @ 12:27 AM

hi i have an airbook with mountain Lion OS. will i be able to install oracle db if i follow the above steps... many thanks

REPLY

mokadillion

JUNE 18, 2013 @ 7:03 PM

fantastic tutorial. I got this up and running in less than 30 minutes, not including download time. I have one question. Now i have this installed how do i use the mac environment to code in. Here i have to remain in the Linux virtual environment, and its not that enticing. Thanks.

REPLY

dimitrisli

JUNE 18, 2013 @ 7:29 PM

As long as you have setup the correct port to listen to then you can do development in Mac OS and treat the DB directly visible, as if it was natively installed. You don't have to use the Linux Oracle OS for any other purposes. Just to host the Oracle DB and then make it visible/accessible from outside.

REPLY

Rommel

JULY 26, 2013 @ 8:38 PM

Hey thanks a lot for this. I am new to IntelliJ IDE...could you please tell me where I can make the datasource connection to the database? I would really appreciate that.

REPLY

dimitrisli

JULY 27, 2013 @ 2:36 AM

Hi Rommel, all you have to do is go to View > Tool Windows > Data Sources > click on the + sign > Add Data Source > New Data Source and fill in the details of the driver/url/username/pass. In some cases it even points you to the needed driver or provides an option to auto-download.

REPLY

Rommel

JULY 27, 2013 @ 7:46 AM

Hi Dimitrisli....thanks once again! 😊 It works like a charm now...a little sluggish in the beginning while it loads the schema but right after it handles smooth. I personally was looking for something like this. Personally I don't like to install a local instance of Oracle on my MAC...or any computer that I own in that matter...this works well. Let me ask, have you have any experience in creating new schemas in this way? I am asking because I am getting ready to deploy a third party application using Tomcat to instantiate a call to the DB on the VM for its schema...of course I would like to know if you had any troubles in creating a new schema directly?

REPLY

dimitrisli

JULY 30, 2013 @ 10:08 AM

Hi Rommel, of course you can run DDL/DML scripts like you are used to in any other Oracle instance. I have yet to experienced any problems myself. The VM Oracle instance works perfectly fine.

REPLY

Yuga

JULY 29, 2013 @ 3:48 PM

Hi Dimitrisli – excellent. I am working on installing Informatica and Business Objects. Can you pls let me know how i can install such softwares ? Thanks

REPLY

dimitrisli

JULY 30, 2013 @ 10:10 AM

Hi Yuga, I don't have experience with Informatica myself but if you can do so in a natively installed Oracle instance I cannot see why it wouldn't work equally well on a VM instance.

REPLY

albert

OCTOBER 31, 2013 @ 7:38 PM

Hi Dimitrisli

It is really helpful topic for someone who's new to these kind of things.

Could I ask you how to connect SQLDeveloper with linux created in VM? What kind of details should I use when I set up connection taking example above under consideration?

Much appreciated!

REPLY

dimitrisli

OCTOBER 31, 2013 @ 7:52 PM

Hi albert, you don't have to worry about that because SQLDeveloper comes pre-installed in the image file you open in VirtualBox.

REPLY

albert

OCTOBER 31, 2013 @ 8:08 PM

Hi Dimitrisli, quick response, much appreciated.

I should be more specific, apologies for this.

What I want to achieve is to have SQLDeveloper on MAC and DB in linux installed on VM therefore I am guessing (like I said, I am new to this) I should somehow root DB on linux to SQLDeveloper on MAC? Is this even possible? Thank You

REPLY

dimitrisli

OCTOBER 31, 2013 @ 9:02 PM

Hi albert, I've updated the article where now in the bottom you can find a screenshot with details on the SQLDeveloper settings needed.

REPLY

albert

OCTOBER 31, 2013 @ 9:44 PM

You are an absolute star Dimitrisli!

It does work as it should now. Much appreciated!

REPLY

amok

OCTOBER 31, 2013 @ 11:23 PM

Thank you, excellent, works perfectly !

REPLY

amok

NOVEMBER 2, 2013 @ 6:58 PM

What is the default user/pass for oracle enterprise manager on this image ?

REPLY

amok

NOVEMBER 2, 2013 @ 9:32 PM

Nevermind, hr/oracle worked. Thanks again for a great tutorial !

REPLY

Herb Harrell

NOVEMBER 8, 2013 @ 1:08 PM

Your article is a revelation.

Everything worked as promised, except I can't make the connection!

SQLDeveloper reports: "... IO Error: The Network Adapter could not establish the connection"

The attempt in Terminal looked like this:

```
[Herberts-MacBook-Pro:~] herbharrell% telnet 127.0.0.1 1521
```

```
Trying 127.0.0.1...
```

```
telnet: connect to address 127.0.0.1: Connection refused
```

```
telnet: Unable to connect to remote host
```

I have carefully gone over the settings, esp. for port forwarding, and have no clue what is wrong.
Where would you look?

Thanks,
Herb Harrell

REPLY

dimitrisli

APRIL 25, 2014 @ 2:17 PM

Hi Herb,

thanks for your kind words. Sorry for coming back late on this. Take a look at my updated article that is addressing a few extra points in Oracle 12cR1 that weren't there in Oracle 11gR2 (all inside the OracleOS VM) and let me know if you still have problem.

REPLY

Herb Harrell

NOVEMBER 8, 2013 @ 1:32 PM

Demitrios, problem solved!

REPLY

CS

NOVEMBER 10, 2013 @ 5:02 PM

Thumbs Up Dimitrisli ,that was one hell of a solution 😊

REPLY

Sandeep

NOVEMBER 13, 2013 @ 5:10 PM

what is the default username and password enterprise linux 5

REPLY

dimitrisli

NOVEMBER 13, 2013 @ 5:20 PM

Hi Sandeep, the VM is an Oracle Linux OS and if you are looking for credentials you can find them on the article (hint: oracle/oracle).

REPLY

Sandeep

NOVEMBER 13, 2013 @ 5:29 PM

thanks man i did a silly mistake

sai

NOVEMBER 28, 2013 @ 7:56 PM

thanks a lot, it was a great help

REPLY

Herb Harrell

DECEMBER 9, 2013 @ 7:24 AM

Hi Dimitrios,

in case you know, what user name / password combo is needed to launch sqlplus from the command line?

REPLY

Herb Harrell

DECEMBER 11, 2013 @ 1:03 PM

and the answer is.....

[oracle@localhost ~]\$ sqlplus system/oracle@orcl

found it at:

<https://wikis.oracle.com/display/OTNVirtualDevDayDB/Home>

What would we do without google?

REPLY

Leo

FEBRUARY 16, 2014 @ 6:06 PM

you're a lifesaver. after days looking finally the answer.

REPLY

дмитрий арсентьев

JANUARY 4, 2014 @ 8:41 PM

Thanks, but it does not works for me.

Telnet is ok.

IDEA is failed.

Connection to oracle failed

java.sql.SQLException: Задан неверный URL Oracle
at oracle.jdbc.driver.OracleDriver.connect(OracleDriver.java:448)
in RemoteDriverImpl.connect(RemoteDriverImpl.java:27)
at com.sun.proxy.\$Proxy103.connect(Unknown Source)
in LocalDataSource.getConnection(LocalDataSource.java:158)

REPLY

dimitrisli

APRIL 25, 2014 @ 2:18 PM

Sorry for coming back late on this. Take a look at my updated article that is addressing a few extra points in Oracle 12cR1 that weren't there in Oracle 11gR2 (all inside the OracleOS VM) and let me know if you still have problem.

REPLY

дмитрий арсентьев

JANUARY 4, 2014 @ 8:48 PM

The problem is column symbol after thin

Wrong

jdbc:oracle:thin@127.0.0.1:1521:orcl

Right

jdbc:oracle:thin:@127.0.0.1:1521:orcl

REPLY

dimitrisli

APRIL 25, 2014 @ 2:22 PM

I don't believe I had it as a typo or wrong in the images but indeed there is a difference in the jdbc url string between 11gR2 and 12cR1 which I explicitly denote in the updated version of my tutorial.

REPLY

дмитрий арсентьев

JANUARY 4, 2014 @ 8:54 PM

Thanks a lot for your tutorial!

REPLY

Meltem Tekeli

JANUARY 12, 2014 @ 8:30 PM

This tutorial is awesome, so many thanks to you for your contribution to the ones who have self study on oracle certifications. Best regards from Turkey

REPLY

YouSung Jang

JANUARY 22, 2014 @ 1:55 PM

Thank You~

Finally I installed Oracle for my MacBook!

REPLY

Afiq

JANUARY 31, 2014 @ 12:52 AM

Tested on Mavericks. Works fine

REPLY

Vidit

FEBRUARY 19, 2014 @ 5:43 AM

Thanks, Because of this tutorial, life become very easy...THanks A Ton!!!

REPLY

Vidit

FEBRUARY 19, 2014 @ 11:58 AM

I followed all the steps as mentioned but getting error like below "got minus one from a read call oracle sql developer"

I have installed latest VM image which has Oracle12c but when trying to connect from sql developer giving above error.

Chacked all relevant settings and files like tnsname,listener,sqlnet

Tried with different adapters but in vain.

Any more suggestions

REPLY

Vidit

FEBRUARY 20, 2014 @ 11:51 AM

THANKS GOT IT RESOLVE

REPLY

Rodrigo Junior

APRIL 13, 2014 @ 8:16 PM

i found my answer on <http://www.thatjeffsmith.com/archive/2014/03/connecting-to-oracle-from-your-host-to-a-virtualbox-oel-guest/>, only need to put an exeption on the firewall

dimitrisli

APRIL 25, 2014 @ 2:26 PM

Hi Rodrigo,

Sorry for coming back late on this... Yes indeed the Firewall is enabled by default and also the url connection string is a bit different.

Take a look at the updated version of the article and let me know if you have any other issues.

Lopi

APRIL 18, 2014 @ 7:58 PM

Hello Vidit,

I'm trying to install the Oracle12c but to no avail.

I've previously installed the older version of Oracle and it worked but not the latest one.

dimitrisli

APRIL 25, 2014 @ 2:27 PM

Sorry for coming back late on this. Take a look at my updated article that is addressing a few extra points in Oracle 12cR1 that weren't there in Oracle 11gR2 (all inside the OracleOS VM) and let me know if you still have problem.

dimitrisli

APRIL 25, 2014 @ 2:23 PM

Hi Vedit,

Sorry for coming back late on this. Take a look at my updated article that is addressing a few extra points in Oracle 12cR1 that weren't there in Oracle 11gR2 (all inside the OracleOS VM) and let me know if you still have problem.

REPLY

Srikanth

MARCH 30, 2014 @ 5:11 AM

Thank you! Awesome instruction.

REPLY

MZ

MAY 8, 2014 @ 7:10 AM

Thank you so much for the awesome tutorial. I am preparing for my job interview and this saved me TONS of time.

REPLY

Herb Harrell

MAY 14, 2014 @ 4:30 PM

I routinely connect to a remote Oracle DB via sqlplus from my MacBook Pro's Terminal app, and freely use sqlplus to manage the DB.

Is it similarly possible to connect via sqlplus from Mac's Terminal app to the Oracle DB running locally in VirtualBox?

This would be a (very useful) FOURTH case of external connectivity, standing beside the cases 6a, b, and c described in the tutorial.

Can anyone supply missing section 6d?

REPLY

vicks1022

MAY 24, 2014 @ 1:59 PM

Thanks a lot dimitrisli I was having a hard time installing Oracle DB on my Macbook pro, but this worked like a charm!!!

REPLY

Angie

MAY 24, 2014 @ 2:46 PM

I'm so happy I found your blog. Thx for providing detail and updates....I will be sharing your blog with other classmates.

REPLY

Renjith George

JUNE 4, 2014 @ 11:11 PM

Thank you!..Life saver article...

REPLY

olorinpc

JUNE 23, 2014 @ 3:14 AM

Great update Dimitri! After spending a day and a half trying to fix a Win7+Oracle VmWare image while getting ready for a class (something broke all oracle db connectivity inside of the image)... stumbled across this, and was back up and working natively in OS in a half hour.

REPLY

whhateverrr

JULY 12, 2014 @ 10:24 AM

Thank you Sir.

REPLY

Mark

JULY 28, 2014 @ 2:21 PM

Awesome post!! Thanks for putting this together!!

REPLY

Mau

AUGUST 1, 2014 @ 8:15 PM

Wow! This explanation is the better I've found on the Internet. It was a breeze setting it up since I had already VB running on my Mac. Thanks a lot mate.

REPLY

KG

AUGUST 9, 2014 @ 2:29 PM

Awesome post. Nice elaboration

REPLY

André Herculano

AUGUST 10, 2014 @ 4:52 PM

Great tutorial, thanks a lot for taking time in explaining this 😊

There's a typo there when you say that the IP of the virtual machine can be found using the command "ipconfig" instead of "ifconfig".

REPLY

James

SEPTEMBER 1, 2014 @ 3:18 AM

Great tutorial !!!!! Now how to add User Scott like HR??

REPLY

Irina Max

MAY 22, 2015 @ 9:44 PM

Hi Dimitris and thank you for the very nice help! Finally i made it and connection already exist in SQL developer! finally i can work in my MacBookPro with Databases!

REPLY

Monique Ashley

NOVEMBER 23, 2015 @ 4:31 PM

Thank you so much. It worked perfectly. I got the connection right away. Your the best.

REPLY

aman kataria

MARCH 28, 2017 @ 10:42 AM

Thanks for the article this was helpful.

In the latest version downloaded from <http://www.oracle.com/technetwork/community/developer-vm/vts-hol-2415742.html>

The database name is ORCL. As a newbie, it was really difficult for me to even find out default database. I

used following command to find the database name
select sys_context('userenv','db_name') from dual;
Username is still hr and password is also oracle

REPLY

RA

APRIL 3, 2017 @ 6:32 PM

Excellent article. I was of the thought to forget Oracle installation on my mac. Now I have installed it successfully. Thank you.

REPLY

Joe

MAY 16, 2017 @ 7:33 PM

Very nice tutorial 😊 Did help a lot. Just some notes, with the latest download you do not have to change the firewall settings nor the port forwarding... looks like some oracle guy read your tutorial as well and they put it in the latest VM-Image :D.

Unfortunately the url to connect to the db changed as well, it is now

jdbc:oracle:thin:@//127.0.0.1:1521/orcl

you can connect with

user: system

pass: oracle

Thank you for this article!

REPLY

[Create a free website or blog at WordPress.com.](#)