# **Oracle Database 11gR2 Installation**

Single Instance Oracle Database 11gR2 (11.2.0.4) Installation on RedHat 6.9 using File System. These installations are for testing purposes only.

# 1. REQUIRED SOFTWARE

Hypervisor	Oracle VirtualBox 5.2.6
Terminal Emulator	Putty v0.63
X11 Display Server	Xming 6.9.0.31
Linux Image	rhel-server-6.9-x86_64-dvd.iso
Oracle Software	p13390677_112040_Linux-x86-64_1of7.zip p13390677_112040_Linux-x86-64_2of7.zip

#### 2. CREATING A NEW VIRTUAL MACHINE

#### Run VirtualBox software and click "New"

Oracle VM VirtualBox Manager File Machine Help	—	
New Settings Discard Start	Machine Tools	Global Tools
	Welcome to VirtualBox!The left part of this window lists all virtual machines and virtual machine groups on your computer.The right part of this window represents a set of tools which are currently ourrently available tools check the corresponding menu at the right side of the main tool bar located at the top of the window. This list will be extended with new tools in future releases.You can press the F1 key to get instant help, or visit www.virtualbox.org for more information and latest news.	S
	Details           Tool to observe virtual machine (VM) details. Reflects groups of <u>properties</u> for the currently chosen VM and allows basic operations on certain properties (like the machine storage devices).           Snapshots           Tool to control virtual machine (VM) snapshots. Reflects <u>snapshots</u> created for the currently selected VM and allows snapshot operations like <u>create</u> , <u>remove</u> , <u>restore</u> (make current) and observe their properties. Allows <u>edit</u> snapshot attributes like <u>name</u> and <u>description</u> .	i o

Give some name, select as follows and click "Next"

 $\times$ 

?

?

Create Virtual Machine

#### Name and operating system

Please choose a descriptive name for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.

Name:	RHEL69
Type:	Linux 🗸 🗧
Version:	Red Hat (64-bit)

Expert Mode	Next	Cancel

#### Arrange the total memory and click "Next"

Create Virtual Machine

#### Memory size

Select the amount of memory (RAM) in megabytes to be allocated to the virtual machine.

The recommended memory size is 1024 MB.

	2048	MB
4 MB	16384 MB	

È	Next	Cancel

Select "Create a virtual hard disk now" and click "Create"

 $\times$ 

?

#### Create Virtual Machine

#### Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.

If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.

The recommended size of the hard disk is 8,00 GB.

- O Do not add a virtual hard disk
- Create a virtual hard disk now

$\cap$	Use	an	existing	virtual	hard	disk fi	e
$\sim$	USC	au	existing	vii wai	i lai u	UISK III	

	Creat	e	Ca	ancel	
	-				
RACAppliance-disk007.vmdk	(Normal	30,00 (	GB)	$\nabla$	i.
		/			

Select "VDI" as the hard disk file type and click "Next"

Create Virtual Hard Disk

#### Hard disk file type

Please choose the type of file that you would like to use for the new virtual hard disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.

VDI (VirtualBox Disk Image)

VHD (Virtual Hard Disk)

VMDK (Virtual Machine Disk)



Select "Dynamically allocated" not to waste space on the host server

Create Virtual Hard Disk

#### Storage on physical hard disk

Please choose whether the new virtual hard disk file should grow as it is used (dynamically allocated) or if it should be created at its maximum size (fixed size).

A **dynamically allocated** hard disk file will only use space on your physical hard disk as it fills up (up to a maximum **fixed size**), although it will not shrink again automatically when space on it is freed.

A fixed size hard disk file may take longer to create on some systems but is often faster to use.

Oynamically allocated

Fixed size



For a single instance Oracle database test server, 25GB of disk space is more than enough even if we are planning to use "File System" for datafiles instead of ASM.

?

Create Virtual Hard Disk

#### File location and size

Please type the name of the new virtual hard disk file into the box below or click on the folder icon to select a different folder to create the file in.

RHEL69																				
Select th amount o	es off	ize ile	of dat	th ta t	e v tha	irtu t a	al h virt	haro tual	d di I ma	isk ii achi	n m ne	nega will	aby be	/te: ab	s. T le t	'his to s	size tore	e is the e on the	limit or e hard	n the disk.
																			25,	00 GB
		1								1							-			
4,00 MB															2,	00	IВ			

Create	Cancel

#### Start the server

First, select the server to be started and then click the "Start" button with the green arrow.



#### A dialog box will popup asking for the location of the iso file. After selecting the iso file "*rhel-server-6.9-x86\_64-dvd.iso*" click "Start"



#### 3. LINUX INSTALLATION



Click "Next"



#### Select your language and click "Next"

What language would you like to use during the installation process?

Arabic (اللروبية) Assamese (অসমীয়া) Bengali (বাংলা) Bulgarian (Български) Catalan (Саtalà) Chinese(Simplified) (中文(简体)) Chinese(Traditional) (中文(正微)) Croatian (Hrvatski) Czech (Čeština) Danish (Dansk) Dutch (Nederlands) English (English)

Estonian (eesti keel) Finnish (suomi) French (Français) German (Deutsch) Greek (Ελληνικά) Gujarati (אַפּצולו) Hebrew (עברית) Hindi (हिन्दी) Hungarian (Magyar) Icelandic (Icelandic) Iloko (Iloko) Indonesian (Indonesia)

🔷 Back

🔷 Next

Back

Next

#### Select the proper keyboard and click "Next"

Select the appropriate keyboard for the system.	
Italian	^
Italian (IBM)	
Italian (it2)	
Japanese	
Korean	
Latin American	
Macedonian	
Norwegian	
Polish	
Portuguese	
Romanian	
Russian	
Serbian	
Serbian (latin)	
Slovak (qwerty)	
Slovenian	
Spanish	
Swedish	
Swiss French	
Swiss French (latin1)	_
Swiss German	=
Swiss German (latin1)	
Turkish	
U.S. English	
U.S. International	
Ukrainian	
United Kingdom	~
e Back	xt

#### Select the storage option and click "Next"

What type of devices will your installation involve?

- 1 Basic Storage Devices 1 Installs or upgrades to typical types of storage devices. If you're not sure which option is right for you, this is probably it. ۲
- Specialized Storage Devices
  Installs or upgrades to enterprise devices such as Storage Area Networks (SANs). This option will allow you to add FCoE / ISCSI / zFCP disks and to filter out devices the installer should ignore.



Select "Yes, discard any data" and click "Next"

Storage Device Warning
🛕 The storage device below may contain data.
ATA VBOX HARDDISK 25600.0 MB pci-0000:00:0d.0-scsi-0:0:0:0
We could not detect partitions or filesystems on this device.
This could be because the device is <b>blank</b> , <b>unpartitioned</b> , or <b>virtual</b> . If not, there may be data on the device that can not be recovered if you use it in this installation. We can remove the device from this installation to protect the data.
Are you sure this device does not contain valuable data?
$\ensuremath{\overline{\!\!\mathcal O}}$ Apply my choice to all devices with undetected partitions or filesystems
Yes, discard any data No, keep any data

#### Enter a hostname and then click "Next" Network configuration will be done later in the documentation.



Hostname: testserver1.com

Configure Network

	k
Back	Next

der Back

Next

Select the time-zone and then click "Next"

Please select the nearest city in your time zone:



Selected city: Toronto, America (Eastern - ON, QC (most areas)) America/Toronto ٥

System clock uses UTC

#### Choose a root password and click "Next"



•••••



der Back

Next

Select "Use All Space", check the "Review and modify partitioning layout" option, and click "Next".

Which typ	e of installation woul	d you like?			
•	Use All Space Removes all partitions systems.	s on the selected device(s). This includes partitions	; created by other operating		
	Tip: This option will re	emove data from the selected device(s). Make sur	e you have backups.	1	
0 📑	Replace Existing Removes only Linux p partitions you may ha	I Linux System(s) artitions (created from a previous Linux installation ve on your storage device(s) (such as VFAT or FAT.	1). This does not remove other 32).		
	TIP: This option will re	emove data from the selected device(s). Make sur	e you nave backups.		
0 [05 [1]	Shrink Current Shrinks existing partit	System ions to create free space for the default layout.			
0	Use Free Space Retains your current ( (s), assuming you hav	data and partitions and uses only the unpartitioned re enough free space available.	space on the selected device		
° ?	Create Custom L Manually create your	ayout own custom layout on the selected device(s) using	our partitioning tool.		
		12		3	3
Encry	ot system				
Review	w and modify partitior	ing layout		•	
				Back	🔷 Next

You can change the swap size according to the software requirements, and click "Next".

		LVM Volume	Group vg_testserver1 (	25096 MB)			
		vg_testserver1- 22536 MB	-lv_root		vg_testse 2560 MB		
Device	Size (MB)	Mount Point/ RAID/Volume	Туре	Format			
∠VM Volume Groups							
vg_testserver1	25096						
lv_root	22536	/	ext4	$\checkmark$			
lv_swap	2560		swap	$\checkmark$			
sda (/dev/sda)							
sda1	500	/boot	ext4	$\checkmark$			
sda2	25099	vg_testserver1	physical volume (LVM)	$\checkmark$			
						× 1	
							(
					Create Edit	Delete	Reset
							N No.
						de Back	Next 🔷

Oracle 11g requires the following swap spaces. For other versions you can check preinstallation tasks in database installation guide. You can also ignore any swap space warnings since this is a test installation.

RAM	Swap Space
Between 1 GB and 2 GB	1.5 times the size of the RAM
Between 2 GB and 16 GB	Equal to the size of the RAM
More than 16 GB	16 GB

Click "Format"

Device		Point/				
	(MB) RAID/Vo	olume Type	Format			
LVM Volume Groups	25006					100
vg_testserver1	22536 /	ext4	$\checkmark$			
lv_swap	2560	swap	$\checkmark$			
Hard Drives		Fc	ormat Warnings			
▼ sda (/dev/sda)	EOD (host	The following pre-e formatted, destroyi	existing devices have be ing all data.	en selected to be		
sda2	25099 vg te	/dev/sda partit	tion table (MSDOS)			
						all all
			Cancel	Format		
				Create	Edit Delete R	eset
					🗲 Back 📑	Next
					Back	Next
					Back	Next
ick "Write cha	nges to disk	1		8	<b>Back</b>	Next
ick "Write cha	nges to disk	1		8	<b>Back</b>	Next
ick "Write cha	nges to disk	1			Back	Next
ick "Write cha	nges to disk	n		8	Back	▶ Next
ick "Write cha	nges to disk	n			<b>Back</b>	▶ Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volu	nges to disk	1			<b>Back</b>	▶ Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volui	nges to disk	1			Back	• Next
ick "Write cha evice Size Mount Poi RAID/Volu	nges to disk	n			Back	• Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volui	nges to disk	n			<b>Back</b>	▶ Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volui	nges to disk	n			Back	• Next
ick "Write cha evice Size Mount Poi RAID/Volur	nges to disk	n			<b>Back</b>	• Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volu	nges to disk <sup>nt/</sup> Type Format	Writing stor	rage configuration to	odisk	Back	Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volui	nges to disk	Writing stor	rage configuration to ning options you have se	disk	Back	Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volui	nges to disk <sup>nt/</sup> Type Format	Writing stor Writing stor The partition now be write reformative	rage configuration to ning options you have so ten to disk. Any data or laaritions will be lost	o disk elected will o deleted or	Back	Next
ick "Write cha levice Size Mount Poi (MB) RAID/Volur	nges to disk nt/ Type Format	Writing stor	rage configuration to ning options you have se iten to disk. Any data on d partitions will be lost.	disk elected will deleted or	Back	• Next
ick "Write cha levice Size Mount Poi (MB) RAID/Volur	nges to disk	Writing stor	rage configuration to ning options you have so ten to disk. Any data or d partitions will be lost. tk Write chang	o disk elected will o deleted or es to disk	Eack	Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volu	nges to disk <sup>nt/</sup> Type Format	Writing stor The partition now be write reformatted Go bac	rage configuration to ning options you have so ten to disk. Any data on d partitions will be lost. :k Write chang	o disk elected will deleted or es to disk	Back	Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volui	nges to disk <sup>ht/</sup> Type Format	Writing stor Writing stor The partition now be writ reformated Go bac	rage configuration to ning options you have so ten to disk. Any data or d partitions will be lost. :k Write chang	disk elected will deleted or es to disk	Back	Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volu	nges to disk <sup>nt/</sup> Type Format	Writing stor Mriting stor Mriting stor The partition now be write reformated Go bac	rage configuration to ning options you have so then to disk. Any data or d partitions will be lost. :k Write chang	disk elected will deleted or es to disk	Back	Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volur	nges to disk nt/ ne Type Format	Writing stor The partition now be writ reformatted Go bac	rage configuration to ning options you have se ten to disk. Any data on d partitions will be lost. :k Write chang	edisk elected will deleted or es to disk	Eack	Next
ick "Write cha evice Size Mount Poi RAID/Volur	nges to disk	Writing stor	rage configuration to ning options you have se ten to disk. Any data or d partitions will be lost. :k Write chang	e disk elected will deleted or es to disk	Back	Next
ick "Write cha evice Size Mount Poi RAID/Volur	nges to disk <sup>nt/</sup> Type Format	Writing stor	rage configuration to ning options you have so ten to disk. Any data or d partitions will be lost. :k Write chang	• disk elected will deleted or es to disk	Back	Next
ick "Write cha evice Size Mount Poi (MB) RAID/Volu	nges to disk	Writing stor Mriting stor Mriting stor The partition now be write reformatted Go bac	rage configuration to ning options you have sa iten to disk. Any data or d partitions will be lost. :k Write chang	o disk elected will deleted or es to disk	Back	Next

Click "Next"

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

🗹 Instal	ll boot loader on /dev/sda.	Change device	
🗌 Use a	a boot loader password	hange password	
Boot loa	ader operating system	list	
Default	Label	Device	Add
۲	Red Hat Enterprise Linux 6	/dev/mapper/vg_testserver1-lv_root	Edit
			Delete



# Select "Basic Server", "Customize now" option and click "Next"

The default installation of Red Hat Enterprise Linux is a basic server install. You can optionally select a different set of software now.	
Basic Server	
O Database Server	
O Web Server	
O Identity Management Server	
<ul> <li>Virtualization Host</li> </ul>	
○ Desktop	
<ul> <li>Software Development Workstation</li> </ul>	
O Minimal	
Please select any additional repositories that you want to use for software installation.	
High Availability	
Load Balancer	=
Red Hat Enterprise Linux	
Add additional software repositories	
You can further customize the software selection now, or after install via the software	<u>`</u> 3
management application.	$\mathbf{\lambda}$
🔿 Customize later 🛛 💿 Customize now 🛛 🖌 🖉 2	\ \
	× .

Base System > Base

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

- Base System > Compatibility libraries
- Base System > Hardware monitoring utilities
- Base System > Large Systems Performance
- Base System > Network file system client
- Base System > Performance Tools
- Base System > Perl Support
- Servers > Server Platform
- Servers > System administration tools
- Desktops > Desktop
- Desktops > Desktop Platform
- Desktops > Fonts
- Desktops > General Purpose Desktop
- Desktops > Graphical Administration Tools
- Desktops > Input Methods
- Desktops > X Window System
- Applications > Internet Browser
- Development > Additional Development
- Development > Development Tools

In terms of customization, select the above packages, and click "Next"



\_\_\_\_\_

👍 Back

Next

Installation begins...



Packages completed: 31 of 1337

Installing zlib-1.2.3-29.el6.x86\_64 (148 KB) The zlib compression and decompression library

Click "Reboot"



Congratulations, your Red Hat Enterprise Linux installation is complete.

Please reboot to use the installed system. Note that updates may be available to ensure the proper functioning of your system and installation of these updates is recommended after the reboot.

Back

Next

Neboot

🔶 Back

After the reboot, comes the Welcome screen. Click "Forward"

# Welcome License Information Set Up Software Updates Create User Date and Time Kdump

#### Welcome

There are a few more steps to take before your system is ready to use. The Setup Agent will now guide you through some basic configuration. Please click the "Forward" button in the lower right corner to continue



#### Agree the license agreement and click "Forward"

Welcome License Information Set Up Software Updates Create User Date and Time Kdump

# **License Information**

PLEASE READ THIS END USER LICENSE AGREEMENT CAREFULLY BEFORE USING SOFTWARE FROM RED HAT. BY USING RED HAT SOFTWARE, YOU SIGNIFY YOUR ASSENT TO AND ACCEPTANCE OF THIS END USER LICENSE AGREEMENT AND ACKNOWLEDGE YOU HAVE READ AND UNDERSTAND THE TERMS. AN INDIVIDUAL ACTING ON BEHALF OF AN ENTITY REPRESENTS THAT HE OR SHE HAS THE AUTHORITY TO ENTER INTO THIS END USER LICENSE AGREEMENT ON BEHALF OF THAT ENTITY. IF YOU DO NOT ACCEPT THE TERMS OF THIS AGREEMENT, THEN YOU MUST NOT USE THE RED HAT SOFTWARE. THIS END USER LICENSE AGREEMENT DOES NOT PROVIDE ANY RIGHTS TO RED HAT SERVICES SUCH AS SOFTWARE MAINTENANCE, UPGRADES OR SUPPORT. PLEASE REVIEW YOUR SERVICE OR SUBSCRIPTION AGREEMENT (S) THAT YOU MAY HAVE WITH RED HAT OR OTHER AUTHORIZED RED HAT SERVICE PROVIDERS REGARDING SERVICES AND ASSOCIATED PAYMENTS.

This end user license agreement ("EULA") governs the use of any of the versions of Red Hat Enterprise Linux, certain other Red Hat software applications that include or refer to this license, and any related updates, source code, appearance, structure and organization (the "Programs"), regardless of the delivery mechanism.

1. License Grant. Subject to the following terms, Red Hat, Inc. ("Red Hat") grants to you a perpetual, worldwide license to the Programs (most of which include multiple software components) pursuant to the GNU General Public License v.2. The license agreement for each software component is located in the software component is source code and permits you to run, copy, modify, and redistribute the software component (subject to certain obligations in some cases), both in source code and binary code forms, with the exception of (a) certain binary only firmware components and (b) the images identified in Section 2 below. The license rights for the binary only firmware components are located with the components themselves. This EULA pertains solely to the Programs and does not limit your rights under, or grant you rights that supersede, the license terms of any particular component.

2. Intellectual Property Rights. The Programs and each of their components are owned by Red Hat and other licensors and are protected under copyright law and under other laws as applicable. Title to the Programs and any component, or to any copy, modification, or merged portion shall remain with Red Hat and other licensors, subject to the applicable license. The "Red Hat" trademark and the "Shadowman" logo are registered trademarks of Red Hat in the U.S. and other countries. This EULA does not permit you to distribute the December of Red Hat in the U.S. and other countries. This EULA does not permit you be distributed to the applicable discusser.

Yes, I agree to the License Agreement
 No, I do not agree



Forward

We can skip the software updates for now. Click "Forward"

#### Welcome License Information Set Up Software Updates Create User Date and Time Kdump

# Set Up Software Updates

This assistant will guide you through the process of registering your system with Red Hat to receive software updates and other benefits. You will need the following to register:

- Your Red Hat Network or Red Hat Network Satellite login
- Your Red Hat account login
- A Red Hat subscription that covers your product

(optional) The address of an alternate service More Info

Why Should I Register?

#### Would you like to register your system at this time? (Strongly recommended.) Yes, I'd like to register now.

- No, I prefer to register at a later time.



#### We can skip the software updates for now. Click "Forward"

Welcome License Information

Set Up Software Updates Create User Date and Time Kdump



Your system is not setup for software updates.

You won't be able to receive software updates, including security updates, for this system.

You may access the RHN registration tool by running RHN Registration or Red Hat Subscription Manager in the System > Administration menu. You may access the software update tool by running Software Update in the System > Administration menu.



We do not need to create a user now. Click "Forward"

Welcome License Information Set Up Software Updates > Create User Date and Time Kdump

## **Create User**

You must create a 'username' for regular (non-administrative) use of your system. To create a system 'username', please provide the information requested below.
Username:
Username:
Full Name:
Password:
Confirm Password:
If you need to use network authentication, such as Kerberos or NIS, please click the Use Network Login button.

Use Network Login...

If you need more control when creating the user (specifying home directory, and/or UID), please click the Advanced button.

Advanced...



Set Date and Time and click "Forward"

Welcome License Information Set Up Software Updates Create User

Date and Time
 Kdump

Date	and	Time

Please set the date and time for the system.

Date and Time

Current date and time: Mon 19 Feb 2018 02:12:03 PM EST

 $\hfill\square$  Synchronize date and time over the network

Manually set the date and time of your system:

are							Thie
< F	ebrua	iry >	,		< 2	018 >	Hour : 14
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Minute : 3
	29		31	1	2	3	
4	5	6	7	8	9	10	Second : 53
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	1	2		
4	5	6	7		9	10	



Since this is a test environment, we can disable Kdump. Click "Finish"

Welcome License Information Set Up Software Updates Create User Date and Time > Kdump

# Kdump

Kdump is a kernel crash dumping mechanism. In the event of a system crash, kdump will capture information from your system that can be invaluable in determining the cause of the crash. Note that kdump does require reserving a portion of system memory that will be unavailable for other uses.

otal System Memory (MB):	2006
dump Memory (MB):	128
sable System Memory (MB);	1878
dvanced kdump configuration	
# Configures where to put the kdump /proc/	vmcore files
# this file are only applicable to the kdump i # the root filesystem is mounted and the n # Currently only one dump target and path	nitramfs, and have no effec ormal init scripts are proces may be configured at a time
# to configured dump target fails, the defau # Default action may be configured with the	It action will be preformed. e "default" directive below.
# to configured dump target fails, the defau # Default action may be configured with th # Basics commands supported are: # path <path <="" pre=""> <ul> <li>Append path to th</li> <li>dumping to. Ignored for raw</li> <li>f unset, will default to /var/c</li> </ul></path>	It action will be preformed. e "default" directive below. e filesystem device which y device dumps. ;rash.
# to configured dump target fails, the defau # Default action may be configured with th # Basics commands supported are: # path <pre>chapend path to th # dumping to. Ignored for raw # If unset, will default to /var/c # core_collector <command/> <options> # - This allows you to specify th</options></pre>	It action will be preformed. • 'default' directive below. e filesystem device which y device dumps. rrash. e command to copy the

Back

Finish

#### 4. INSTALL GUEST ADDONS

Click Devices > Install Guest Additions CD image



Click "OK"

Applications Places Syst						
	tem 🧕 🥸 🗾			🧄 🛃 🕼	Mon Feb 19, 15:42	root
Computer						
-						
root's Home						
Trash	0	VBox_GAs_5.2.6		×		
	You ha	ve just inserted a	nedium with			
•	starte	d. Choose what ap	dication to laune	ch.		
VBox_GAs_5.2.6	Select ho	w to open "VBox_GAs_5.2	6" and			
	whether t other me	to perform this action in th dia of type "UNIX softwar	e future for 			
	(A Open	Autorup Prompt	1			
	Open	Autorun Prompt	<u>\</u>	<u> </u>		
	🗆 Alway	s perform this action		and the second second		
	Eiect		Cancel OK			
VBox GAs 5.2.6						
ek "Pup" and afte	or the corint run is	over Pohoot th	o convor			
ck "Run" and after	er the script run is	over Reboot th	e server.	da 🗗 🔃	Mon Feb 19 15:43	roo
ck "Run" and afte Applications Places Syst	er the script run is	over Reboot th	e server.	<b>4</b> ) 📑 🖳	Mon Feb 19, 15:43	roo
ck "Run" and afte Applications Places Syst	er the script run is 🕬 📵 🕸 🗹	over Reboot th	e server.	o de se constante de la consta	Mon Feb 19, 15:43	roo
k "Run" and afte Applications Places Syst	er the script run is 🕬 曼 🕸 🗹	over Reboot th	e server.	d) 📑 🔃	Mon Feb 19, 15:43	roo
computer	er the script run is	over Reboot th	e server.	i d) 📑 🔔	Mon Feb 19, 15:43	roc
computer	er the script run is	over Reboot th	e server.	<b>4</b> > <b>4</b>	Mon Feb 19, 15:43	roc
computer	er the script run is	over Reboot th	e server.	i d) 🚅 🔔	Mon Feb 19, 15:43	roc
k "Run" and afte Applications Places Syst Computer root's Home	er the script run is	over Reboot th	e server.	<b>4) <u>∎</u> ()</b>	Mon Feb 19, 15:43	roc
k "Run" and afte Applications Places Syst Computer root's Home	er the script run is	over Reboot th	e server.	4) 📑 🕼	Mon Feb 19, 15:43	roc
k "Run" and afte Applications Places Syst Computer root's Home	er the script run is	over Reboot th	e server.	d) 📑 🔒	Mon Feb 19, 15:43	roc
k "Run" and afte Applications Places Syst Computer root's Home Trash	er the script run is	Over Reboot th VBox_GAs_5.2.6	e server.	a) 📲 🐊	Mon Feb 19, 15:43	FOR
k "Run" and afte Applications Places Syst Computer root's Home Trash	er the script run is tem 🗧 🛞 🗹	Over Reboot th VBox_GAs_5.2.6 his medium contain itended to be auto	e server.	I I I I I I I I I I I I I I I I I I I	Mon Feb 19, 15:43	roo
k "Run" and afte Applications Places Syst Computer root's Home Trash	er the script run is tem e la	Over Reboot th VBox_GAs_5.2.6 his medium contain itended to be auto tarted. Would you	e server. × s software natically ike to run it?		Mon Feb 19, 15:43	For
k "Run" and afte pplications Places Syst Computer root's Home Trash (Box Gas 5.2.6	er the script run is tem	VBox_GAs_5.2.6 his medium contain tended to be auto tarted. Would you tarted. Would you	e server. × s software natically ike to run it? y from the Yuu		Mon Feb 19, 15:43	FOO
k "Run" and afte Applications Places Syst Computer root's Home Trash /Box_GAs_5.2.6	er the script run is tem	VBox_GAs_5.2.6 his medium contain tended to be auto tarted. Would you te software will run direct edium "VBox_GAs_5.2.6". iould never run software ti	e server. × s software natically ike to run it? y from the You nat you		Mon Feb 19, 15:43	FOO
k "Run" and afte Applications Places Syst Computer root's Home Trash /Box_GAs_5.2.6	er the script run is tem e e e e e e e e e e e e e e e e e e	VBox_GAs_5.2.6 his medium contain tended to be autor tarted. Would you be software will run direct edium "VBox_GAs_5.2.6". bould never run software ti not trust.	e server. × s software matically ike to run it? y from the You lat you		Mon Feb 19, 15:43	roc
k "Run" and afte Applications Places Syst Computer root's Home Trash /Box_GAS_5.2.6	er the script run is tem S S S S S S S S S S S S S S S S S S S	VBox_GAs_5.2.6 his medium contain tended to be autoo tarted. Would you be software will run direct edium "VBox_GAs_5.2.6". bould never run software to n't trust. in doubt, press Cancel.	e server. * s software matically ike to run it? y from the You hat you		Mon Feb 19, 15:43	roc
k "Run" and afte Applications Places Syst Computer root's Home Trash /Box_GAS_5.2.6	er the script run is tem S & Z	VBox_GAs_5.2.6 his medium contain tended to be autoo tarted. Would you de software will run direct edium "VBox_GAs_5.2.6". bould never run software ti n't trust. in doubt, press Cancel.	e server.		Mon Feb 19, 15:43	FOC
k "Run" and afte Applications Places Syst Computer root's Home Trash /Box_GAS_5.2.6	er the script run is tem S S S S S S S S S S S S S S S S S S S	Over Reboot the VBox_GAs_5.2.6 his medium contain tended to be autoo tarted. Would you de software will run direct edium "VBox_GAs_5.2.6". iould never run software to on't trust. in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	FOC
k "Run" and afte Applications Places Syst Computer Troot's Home Trash	er the script run is tem S S S S Tin St Th St C Tin St C Tin St C Tin St C Tin St C Tin St C S S S S S S S S S S S S S	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto tarted. Would you he software will run direct edium "VBox_GAs_5.2.6". hould never run software to on't trust. in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	For
k "Run" and afte Applications Places Syst Computer Troot's Home Trash	er the script run is tem S S S S The script run is to state the script run is to script run is to script run	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto tarted. Would you he software will run direct edium "VBox_GAs_5.2.6". hould never run software to on't trust. in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	For
k "Run" and afte Applications Places Syst Computer Troot's Home Trash	er the script run is tem S S S S S S S S S S S S S S S S S S S	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto the software will run direct edium "VBox_GAs_5.2.6". iould never run software to on't trust. in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	FOO
ck "Run" and afte Applications Places Syst Computer Troot's Home Trash VBox_GAS_5.2.6	er the script run is tem S S S S S S S S S S S S S S S S S S S	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto the software will run direct edium "VBox_GAs_5.2.6". iould never run software to on't trust. in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	FOO
ck "Run" and afte Applications Places Syst Computer Trash	er the script run is tem S S S S The share tem tem tem tem tem tem tem te	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto tarted. Would you esoftware will run direct edium "VBox_GAs_5.2.6". iould never run software to on't trust. in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	
ck "Run" and afte Applications Places Syst Computer Trash VBox_GAS_5.2.6	er the script run is tem S S S S The share tem tem tem tem tem tem tem te	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto the software will run direct edium "VBox_GAs_5.2.6". iould never run software to on't trust. in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	
ck "Run" and afte Applications Places Syst Computer Trash VBox_GAS_5.2.6	er the script run is tem S S S S Th sh c f f f f f f f f f f f f f	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto tarted. Would you es oftware will run direct edium "VBox_GAs_5.2.6". in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	
ck "Run" and afte Applications Places Syst Computer Trash VBox_GAS_5.2.6	er the script run is tem S C C C C C C C C C C C C C C C C C C	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto tarted. Would you es oftware will run direct edium "VBox_GAs_5.2.6". in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	Foo
ck "Run" and afte Applications Places Syst Computer root's Home Trash VBox_GAS_5.2.6	er the script run is tem S C C C C C C C C C C C C C C C C C C	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto tarted. Would you he software will run direct edium "VBox_GAs_5.2.6". iould never run software to on't trust. in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	
ck "Run" and after         Applications       Places       System         Computer         Computer         Trash         VBox_GAs_5.2.6	er the script run is tem S C C C C C C C C C C C C C C C C C C	Over Reboot the VBox_GAs_5.2.6 his medium contain thended to be auto tarted. Would you es oftware will run direct edium "VBox_GAs_5.2.6". in doubt, press Cancel. Cance	e server.		Mon Feb 19, 15:43	

Press 'Return' and Reboot the server.

Lobis



🛛 🔄 VirtualBox Guest Addit...

#### 5. NETWORK CONFIG & PUTTY CONNECTIVITY

First, shutdown the server. Then go to the settings of the server

men go to the sett	Πg	5 01 11	e server				
💱 Oracle VM VirtualBox Manager						- 0	×
File Machine Help							
New Settings Discard Start					Machine Tr	ools Glo	bal Tools
			Welcome to	o VirtualBo	x!		
64 O			The left part of on your compu	f this window ter.	lists all virtual machines and virtual machine groups	20	R.
			The right part of	of this window	represents a set of tools which are currently		
			currently availa main tool bar lo	able tools che cated at the	top of the window. This list will be extended with new		
RHEL69	0	Cattions	tools in future	releases.			
		Settings		Cit o	ews.		
T	~	Cione		Ctrl+0	2		
		Group		Ctrl+K			
		Group		Cuito			
	<b></b>	Start		•	certain properties (like the machine storage devices).	VM and	
1		Pause		Ctrl+P			_
	0	Reset		Ctrl+T			
	$\bigtriangledown$	Close		► F	ine (VM) snapshots. Reflects <u>snapshots</u> created for the currently selecte like <u>create</u> , <u>remove</u> , <u>restore</u> (make current) and observe their properties	d VM and s. Allows to	
	$\bigcirc$	Discard Save	d State	Ctrl+J	e <u>name</u> and <u>description</u> .		
	Ō	Show Log		Ctrl+L			
	G	Refresh					
		Show in Expl	lorer				
	5	Create Short	cut on Desktop				
	81	Sort					

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

Select the Host-only adapter. For most of the tests (that do not require internet) host-only adapter works fine. Since I want to connect via Putty, I need connectivity with the host OS. I also don't want to change the IP of the guest everytime I connect the host OS to another network. So a static setting which is best maintained with host-only adapter is more proper here.

🙆 RH	HEL69 - Settings		?	$\times$
	General	Network		
<b>₽</b> ₩	System	Adapter 1 Adapter 2 Adapter 3 Adapter 4		
	Display	Enable Network Adapter 2		
$\bigcirc$	Storage	Attached to: Host-only Adapter 🔻		_
	Audio	Name: VirtualBox Host-Only Ethernet Adapter #4		-
₽	Network			
	Serial Ports		3	
Ø	USB		-	
	Shared Folders			
	User Interface	4		
		ОК	Cano	el

NETWORK TYPES SUMIN	/ARY
Bridged	Has a connection with the host Has a connection with the physical network Can connect to the internet
ΝΑΤ	Does not have a connection with the host Does not have a connection with the physical network Can connect to the internet
Host-Only	Has a connection with the host Does not have a connection with the physical network Can NOT connect to the internet

Host-only networking creates a network that is completely contained within the host computer.



Open the "Network and Sharing Center" of the host machine (Windows in our case) Click the "Change adapter settings" Have a look at the connection details by double-clicking the "VirtualBox Host-Only Network #4" (The one that we have chosen in the previous step)

$\rightarrow \cdot \uparrow$	😰 > Control Panel > Netw	ork and Internet > Network C	onnections	5 ~	Search Network Connection	ons 🔎
)rganize 🔻	Disable this network device	Diagnose this connection	Rename this connection	View status of this connection	»	
	Sectors.	<b>S</b>		VirtualBox Host-Only Network #4 Enabled		
	VirtualBox Host-Only Network #5 Enabled	<b>S</b> .		VirtualBox Host-Only Netwo	ork #4 Status	×
		1: doubl	e click	General Connection		_
		r. doubi	e click/	IPv4 Connectivity: IPv6 Connectivity:	No network acces	s
				Media State:	Enable	ed
				Duration:	2 days 03:54:3	35
				Speed:	1.0 Gb;	os
				Activity		_
			2: click	Sent —	– Neceive	d
				Packets:	0	0
				Properties Disable	Diagnose	
						ise

#### The highligted values below are important... Note them down

Property	Value
Connection-specific DN	
Description	VirtualBox Host-Only Ethernet Adapter #4
Physical Address	0A-00-27-00-00-07
DHCP Enabled	No
IPv4 Address	192.168.136.1
IPv4 Subnet Mask	255.255.255.0
IPv4 Default Gateway	
IPv4 DNS Server	
IPv4 WINS Server	
NetBIOS over Tcpip En	Yes
Link-local IPv6 Address IPv6 Default Gateway	fe80::78b0:a7c5:17ae:10e%7
IPv6 DNS Servers	fec0:0:0:ffff::1%1
	fec0:0:0:ffff::2%1
	fec0:0:0.ffff::3%1
<	>



#### Edit the network settings of the host (start the server)

Click "Edit"



Add the adapter adress as follows	×	Coll C	
Connection name: System eth0			
<ul> <li>✓ Connect automatically</li> <li>✓ Available to all users</li> </ul>			
Wired 802.1x Security IPv4 Settings IPv6 Settin	ngs	1 K <sup>o</sup>	
Method: Manual	\$	1 de la	
Addresses	2	and the fair of the second	
Address Netmask Gateway	Add	Fee.	
	Delete	a de la calencia de l	
DNS servers:		and the first	
Search domains:		En.	
DHCP client ID:		6.	
Require IPv4 addressing for this connection	to complete	and the second	
	Routes	1.3611	
Car	ncel Apply	]	
Restart the network service		and the second	
root@testserver1:~/Desk           File         Edit	ctop	>	<
[root@testserver1 Desktop]# service network rest	art	[	-
Shutting down loopback interface:	[ OK [ OK	]	
Bringing up loopback interface: Bringing up interface eth0: Active connection s Active connection path: /org/freedesktop/Network	[ OK tate: activated Manager/ActiveConr	] nection/1	
[root@testserver1 Desktop]# [root@testserver1 Desktop]#	[ OK	J	=
[root@testserver1 Desktop]# [root@testserver1 Desktop]#		-	and the second second
		140°.	×

#### 6. DISABLE FIREWALL

service iptables stop chkconfig iptables off

Now, we should be able to connect with putty...

#### 7. DISABLE SELINUX

Edit the /etc/selinux/config file.

# This file controls the state of SELinux on the system. # SELINUX= can take one of these three values: # enforcing - SELinux security policy is enforced. # permissive - SELinux prints warnings instead of enforcing. # disabled - No SELinux policy is loaded. SELINUX=disabled # SELINUXTYPE= can take one of these two values: # targeted - Targeted processes are protected, # mls - Multi Level Security protection. SELINUXTYPE=targeted

Either reboot or run the following command

setenforce disabled

#### 8. EDIT HOSTS FILE

П

Add the host ip and name to the hosts file

[root@testserver1 ~]# vi /etc/hosts						
127.0.0.1 192.168.136.101	<pre>localhost localhost.localdomain localhost4 localhost4.localdomain4 testserver1.com testserver1</pre>					

#### 9. Install RPMs

We can directly install the RPMs from the installation dvd, but this might cause some dependency problems while installing. Therefore, we are going to create a yum repository from the dvd and install the packages using the yum command.

First, remove all mounted disks from the server, if there are any.



#### Then, attach the linux installation iso



The installation DVD now should have been mounted

[root@testserver1 RHEL-6.9 Server.x86\_64]# pwd

/media/RHEL-6.9 Server.x86\_64



The naming may cause some problems in the yum repo file so, create a symbolic link as follows

[root@testserver1 ~]# mkdir -p /linuxdvd
[root@testserver1 ~]# ln -s /media/RHEL-6.9\ Server.x86\_64/Server /linuxdvd

Note: Be careful about the slashes. Try changing directory using the link (test).

Edit the yum repository file and add the following lines in red

[root@testserver1 ~]# vi /etc/yum.repos.d/dvd.repo

[rhel69]
name= Red Hat Enterprise Linux 6.9 DVD
baseurl=file:///linuxdvd/Server
gpgcheck=0
enabled=1

#### Check the status with the following command. It should return something similar.

[root@testserver1 Server]# yum repolist

This system is not registered with an entitlement server. You can use subscription-manager to register. rhel69 | 4.1 kB 00:00 ... rhel69/primary\_db | 3.1 MB 00:00 ...

•••

# Install RPMs (with root user)

yum	install	DINUTIIS-2*X86_64*
yum	install	glibc-2*x86_64* nss-softokn-freebl-3*x86_64*
yum	install	glibc-2*i686* nss-softokn-freebl-3*i686*
yum	install	<pre>compat-libstdc++-33*x86_64*</pre>
yum	install	glibc-common-2*x86_64*
yum	install	glibc-devel-2*x86_64*
yum	install	glibc-devel-2*i686*
yum	install	glibc-headers-2*x86_64*
yum	install	elfutils-libelf-0*x86_64*
yum	install	elfutils-libelf-devel-0*x86_64*
yum	install	gcc-4*x86_64*
yum	install	gcc-c++-4*x86_64*
yum	install	ksh-*x86_64*
yum	install	libaio-0*x86_64*
yum	install	libaio-devel-0*x86_64*
yum	install	libaio-0*i686*
yum	install	libaio-devel-0*i686*
yum	install	libgcc-4*x86_64*
yum	install	libgcc-4*i686*
yum	install	libstdc++-4*x86_64*
yum	install	libstdc++-4*i686*
yum	install	libstdc++-devel-4*x86_64*
yum	install	make-3.81*x86_64*
yum	install	numactl-devel-2*x86_64*
yum	install	sysstat-9*x86_64*
yum	install	compat-libstdc++-33*i686*
yum	install	compat-libcap*
yum	install	libaio
yum	install	libaio.i686
yum	install	libaio-devel
yum	install	libaio-devel.i686
VIIM	install	$1ih_{2i}o_{-}d_{2v}e_{1-}0 = 3 + 107 - 10 e_{16} + x86 = 64 rpm$

#### **10.USER and GROUP CREATION**

Create the users and groups

```
[root@testserver1 Server]# groupadd oinstall
[root@testserver1 Server]# groupadd dba
[root@testserver1 Server]# groupadd oper
[root@testserver1 Server]# useradd -g oinstall -G dba,oper oracle
```

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

Edit the security limits for this user - add the following red lines

[root@testserver1 Server]# vi /etc/security/limits.conf

oracle	soft	nproc	16384
oracle	hard	nproc	16384
oracle	soft	nofile	4096
oracle	hard	nofile	65536
oracle	soft	stack	10240

#### **11.KERNEL PARAMETERS**

Edit the kernel parameters - add the following red lines

[root@testserver1 Server]# vi /etc/sysctl.conf

```
fs.suid_dumpable = 1
fs.aio-max-nr = 1048576
fs.file-max = 6815744
kernel.shmall = 2097152
kernel.shmmax = 1051795456
kernel.shmmni = 4096
# semaphores: semmsl, semmns, semopm, semmni
kernel.sem = 250 32000 100 128
net.ipv4.ip_local_port_range = 9000 65500
net.core.rmem_default=262144
net.core.rmem_default=262144
net.core.wmem_default=262144
net.core.wmem_max=1048586
```

Run the following command to make the previous changes effective

[root@testserver1 Server]# /sbin/sysct1 -p

#### **12.CREATE DIRECTORIES & COPY FILES**

#### Create directories

[root@testserver1 Server]# mkdir -p /setup [root@testserver1 Server]# mkdir -p /u01/app/oracle/product/11.2.0/dbhome [root@testserver1 Server]# chown -R oracle:oinstall /u01 [root@testserver1 Server]# chmod -R 775 /u01

Copy the following files to /setup path using an ftp tool.

p13390677\_112040\_Linux-x86-64\_1of7.zip p13390677\_112040\_Linux-x86-64\_1of7.zip

5 sftp://root@192.168.136.101 - FileZilla					- 0	$\times$
File Edit View Transfer Server Bo	okmarks Help					
	8) 🕄 🕄 🏛 🧭 🖉					
		, 				
Host: sftp://192.168.136.1 Username: r	oot Password:	Port: 22	Quickconnect 💌			
tatus: Connecting to 192.168.136.101						^
status: Connecting to 192.168.136.101 Status: Connected to 192.168.136.101						
tatus: Connected to 192.168.136.101						
status: Starting upload of C:\Setup\p133	30677_112040_Linux-x86-64_1of7.zij	2				
tatus. Starting upload of Cr(Setup(p155	0077_112040_EIN0X-X80-04_2017.21					~
ocal site: C:\Users\Taysi\		~	Remote site: /setup			~
Default		^	lost+found			^
defaulturer()			media 2 miss			
Public			2 mnt			
Taysi			net			
UirtualMachines			- ? opt			
Windows						
			i root			
Work In Progress			sbin			
•			i selinux			
		~	secup			~
Filename Filesize File	ype Last modified	^	Filename	Filesize Filetype	Last modifie	.d P
<mark>.</mark> .						
File	folder 17.03.2017 06:50:41			Freedow King to a Kind an		
File	folder 15.03.2017 08:43:48			Empty directory listing		
File	folder 12.03.2017 13:38:43					
File File	folder 28.09.2017 10:55:57					
File File	folder 10.11.2017 01:08:50					
File	folder 28.00.2017.09:35:45					
File	folder 20.02.2018 10:18:58	~	<			>
files and 35 directories. Total size: 18.890.	772 bytes		Empty directory.			
			1.12.2			
Server/Local file Directio	n Remote file	Size Priority Statu	s			
sttp://root@192.168.136.101	( 12200677 112040	1 205 502 0 N I T				
C:\Setup\p13390677_11204>>	/setup/p133900//_112040_Lin	. 1.395.582.8 Normai Irans	ferring			
C:\Setup\n13390677_11204	/setup/p13300677_112040_Lin	1 151 30/ 5 Normal Trans	ferring			
00:00:12 elansed 00:00:25 left	34.4% 396.836	.864 bytes (30.6 MiB/s)	acting			
		100 r bytes (50,0 mb, 5)				
Queued files (2) Failed transfers Su	ccessful transfers					
				🔒 🔿 Oueue:	2,4 GiB	, 🦷
115	107		57			

#### Change the owner and mode

[root@testserver1 ~]# cd /setup [root@testserver1 ~]# chown -R oracle:oinstall /setup [root@testserver1 setup]# chown -R oracle:oinstall p\* [root@testserver1 setup]# chmod 755 p\*

#### **13.CREATE BASH PROFILE for ORACLE USER**

Edit the bash profile for Oracle user and add the red lines.

[root@testserver1 setup]# su - oracle
[oracle@testserver1 ~]\$ vi .bash\_profile

TMP=/tmp; export TMP
TMPDIR=\$TMP; export TMPDIR

ORACLE\_HOSTNAME=testserver1.com; export ORACLE\_HOSTNAME ORACLE\_UNQNAME=DBALPHA; export ORACLE\_UNQNAME ORACLE\_BASE=/u01/app/oracle; export ORACLE\_BASE ORACLE\_HOME=/u01/app/oracle/product/11.2.0/dbhome; export ORACLE\_HOME ORACLE\_SID=DBALPHA; export ORACLE\_SID

PATH=/usr/sbin:\$PATH; export PATH PATH=\$ORACLE\_HOME/bin:\$PATH; export PATH

LD\_LIBRARY\_PATH=\$ORACLE\_HOME/lib:/lib:/usr/lib; export LD\_LIBRARY\_PATH CLASSPATH=\$ORACLE\_HOME/jlib:\$ORACLE\_HOME/rdbms/jlib; export CLASSPATH

After editing the bash profile, re-login with the oracle user (or just run the bash profile) to make the variables effective.

#### **14.BEGIN SOFTWARE INSTALLATION**

Connect with putty and be sure that the X11 forwarding is enabled in putty. Also your Xming tool should be running.



Unzip the files and run the installation

```
[oracle@testserver1 setup]$ cd /setup
[oracle@testserver1 setup]$ unzip p13390677_112040_Linux-x86-64_1of7.zip
[oracle@testserver1 setup]$ unzip p13390677_112040_Linux-x86-64_2of7.zip
[oracle@testserver1 setup]$ cd /setup/database/
[oracle@testserver1 database]$ ./runInstaller
```

#### Uncheck the update box and click "Next"

X	🗙 Oracle Database 11g Release 2 Installer - Installing database - Step 1 of 11 - 🛛 🕹 🕹						
Co	nfigure Security Updates	5		DATABASE	11 <sup>g</sup>		
Q	Configure Security Updates	Provide your email address to be and initiate configuration manage	informed of security issues, install the pr er. <u>View details</u> .	roduct			
-	Download Software Updates	E <u>m</u> ail:					
- 6	Apply Software Updates		Easier for you if you use your My Oracle	Support email			
*	Installation Option		auuressyusername.				
*	Grid Installation Options	🔲 🛛 🔤 🔤 🔤 🔤 🔤	tes via My Oracle Support.				
*	Install Type	My <u>O</u> racle Support Password:					
*	Typical Installation						
9	Prerequisite Checks						
4	Summary						
4	Install Product						
0	Finish						
				(			
	Help		< <u>B</u> ack <u>N</u>	ext > Install	Cancel		

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

Select "S	Skip software upda	tes" and click "Next	
X Oracle 🛙	Database 11g Release 2 Installer -	Installing database - Step 2 of 11	~ •

Download Software Update		, à
Configure Security Updates	Download software updates for this installation. Software updates consist of recommended updates to	1.00
Download Software Updates	the installer system requirement checks, PatchSet Updates (PSUs), and other recommended patches.	No.
<ul> <li>Apply Software Updates</li> </ul>	Select one of the following options:	
A Installation Option	Use My Oracle Support credentials for download	
A Grid Installation Options	My Oracle Support <u>u</u> ser name:	
Tunical Installation	My Oracle Support password:	
Prerequisite Checks	Proxy Settings Test Connection	1
Summary	○ Use pre- <u>d</u> ownloaded software updates	1.00
↓ ♀ Install Product	Location: Browse	No.
Finish	♥ ● <u>Skip software updates</u>	100
		Net.
Help	< <u>Back</u> Next > Install Cancel	
Select "Install databa Coracle Database 11g Release 2 Ir Select Installation Option	se software only" option and click "Next"	Mer ranks
🌳 Configure Security Updates	Select any of the following install options.	
L Download Software Updates	Note: If you want to upgrade an existing Oracle Database 11g Release 2 instance select "Upgrade an	
Installation Option	Construing database option.	100
Crid Installation Options	Create and configure a database	1
Install Type	V 💿 Install <u>d</u> atabase software only	Sec.
Typical Installation	O Upgrade an existing database	
O Summarv		
Install Product		
- Finish		
		See.
		1.00
		19
	2	
		A BAS
		1 million

Kabi

Install Cancel

< Back Next >

\_

 $\times$ 

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

www.oracleguard.com

Help

Click "Next"		
X Oracle Database 11g Release 2	Installer - Installing database - Step 4 of 10	- 0
Grid Installation Options		
Configure Security Updates Download Software Updates Installation Option Grid Installation Options Install Type Typical Installation Prerequisite Checks Summary Install Product Finish	Select the type of database installation you want to perform Select the type of database installation Oracle <u>Beal</u> Application Clusters database installation Oracle RAC Ong Node database installation	1.
		<u> </u>
Help	 	< <u>Back Next&gt; Install</u> Cance
Elip Click "Next"	Installer - Installing database - Step 5 of 12	< <u>Back</u> Next > Install Canc
Help         Click "Next"         Y Oracle Database 11g Release 2         Select Product Languages	Installer - Installing database - Step 5 of 12	
Help         Click "Next"	Installer - Installing database - Step 5 of 12	< <u>Back</u> Next> Install Cance CRACLE 118 DATABASE 118 elected Languages: nglish

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

#### Choose "Enterprise Edition" and click "Next"



© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

Click "N
----------



© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

Click "Next" after ign	oring the following non-critical check warning		
X Oracle Database 11g Release 2 Ins	taller - Installing database - Step 10 of 13	- [	$\Box$ $\times$
Perform Prerequisite Check	s ORACI		1 <sup>g</sup>
Configure Security Updates Download Software Updates Installation Option Grid Installation Options Product Languages Database Edition Installation Location Create Inventory Operating System Groups Prerequisite Checks Summary Install Product Finish	Some of the minimum requirements for installation are not completed. Review and fix the following table, and recheck the system.         CheckAgain       Eix & CheckAgain         Checks       Image: CheckS         Checks       Image: CheckS         Packages       Image: CheckS         Can be ignored       Image: CheckS         This is a prerequisite condition to test whether sufficient total swap space is available or system. Image: CheckS         Expected Value:       2.9387CB (3081432.0KB)         Actual Value:       : 2.5CB (2621436.0KB)	re issues	listed in Ignore All Fixable No No
Help	< <u>Back</u> <u>N</u> ext > In:	stall	Cancel

The pdksh package is not required for a successful installation of Oracle 11.2.0.4 (Doc ID 1962046.1) And since this is a test installation swap size can also be ignored.

Click	"Insta	11"

X Oracle Database 11g Release 2 Ins	taller - Installing database - Step 11 of 13	- 🗆 X
Summary		DATABASE <b>11</b> <sup>g</sup>
Configure Security Updates Download Software Updates Installation Option Product Languages Database Edition Installation Location Create Inventory Operating System Groups Prerequisite Checks Summary Install Product Finish	Oracle Database 11g Release 2 Installer     Global settings     Disk space: required 4.7 GB available 11.78 GB     Source location: /setup/database/install//stage/production: Database edition: Enterprise Edition (Install database soft     Oracle base: /u01/app/oracle     Software location: /u01/app/oracle/product/11.2.0/dbh     Privileged Operating System Groups: dba (OSDBA), oper (     Inventory information     Inventory location: /u01/app/oralnventory     oralnventory group: oinstall	ets.xml ware only) ome OSOPER) Save Response File
Help	< <u>B</u> ack	Next > Install Cancel

#### The installation begins.

X Oracle Database 11g Release 2 In:	staller - Installing database - Step 12 of 13	- 🗆 X
nstall Product		
Configure Security Updates Download Software Updates Installation Option Grid Installation Options	Progress- Loading products. Please wait.	9%
Database Edition     Installation Location     Create Inventory     Operating System Groups     Prerequisite Checks     Summary	<ul> <li>Oracle Database installation</li> <li>Prepare <ul> <li>Copy files</li> <li>Link binaries</li> <li>Setup files</li> </ul> </li> <li>Execute Root Scripts</li> </ul>	In Progress Succeeded Pending Pending Pending Pending
Finish		Details Retry Skip
		Consolidate Compress Control
	• • • • • • • • • •	

#### Run the root scripts with the root user and then click "OK"

X Execute Configuration scripts

The following configuration scripts need to be executed as the "root" user.

#### Scripts to be executed:

Number	Script Location
1	/u01/app/oralnventory/orainstRoot.sh
2	/u01/app/oracle/product/11.2.0/dbhome/root.sh

 $\times$ 

.

ΟK

To execute the configuration scripts:

- Open a terminal window
   Log in as "root"

4

- 3. Run the scripts
- 4. Return to this window and click "OK" to continue

<u>H</u>elp

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

### The installation was successful. Click "Close"

X Oracle Database 11g Release 2 Ir	staller - Installing database - Step 13 of 13	- 🗆 X
Finish		DATABASE <b>11</b> <sup>g</sup>
Configure Security Updates Download Software Updates Installation Option Grid Installation Options Product Languages Database Edition Installation Location Create Inventory Operating System Groups Prerequisite Checks Summary	The installation of Oracle Database was successful.	
Finish		
Help	< <u>B</u> ack	k <u>N</u> ext > <u>I</u> nstall <u>C</u> lose

#### **15.INSTALL DATABASE**

Now the software is ready, we can go on with the database installation [oracle@testserver1 setup]\$ dbca

#### Click "Next"

Database Configuration Assist	ant : Welcome	_		$\times$
	Welcome to Database Configuration Assistant for Oracle database. The Database Configuration Assistant enables you to create a data options in an existing database, delete a database, and manage o	abase, configu database temp	ire datab blates.	oase
Cancel Help	C Back	Next >		

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

	Click "Next"	1 Con	N.	No.	No.
	Database Configuration Ass	istant, Step 1 of 12 : Opera	itions		- L X
, je		Select the operation	that you want to perform:		
a ser		Create a Datak	Dase		
the		O Configure Data	base Options		
2		C Delete a Datab	1958		
		O Monogo Tompi	lator		
All Contractions		ASM configur Management	ation operations must be p Configuration Assistant (AS	erformed using Auto MCA) from Oracle Gi	matic Storage rid Infrastructure home.
Illes Tole				\	
		<u></u>			
	Cancel Help	)		S Back	<u>Vext</u> )
	Cancel Help	)		S Back	<u>Vext</u> )
Inet lak	Cancel Help Click "Next" Database Configuration Ass	) istant, Step 2 of 12 : Datab	ase Templates	<u>Back</u>	<u>Vext</u>
I Her Tolk	Cancel Help Click "Next" Database Configuration Ass	istant, Step 2 of 12 : Datab Templates that inclu new database in mir only when necessary cannot be altered af	ase Templates de datafiles contain pre-cr iutes, as opposed to an ho ; such as when you need to ter database creation.	eated databases. Th ur or more. Use temp o change attributes li	yext >>)
Iner Tell	Cancel Help Click "Next" Database Configuration Ass	) istant, Step 2 of 12 : Datab Templates that inclu new database in mir only when necessary cannot be altered af Select Template	ase Templates de datafiles contain pre-cr nutes, as opposed to an hoi , such as when you need to ter database creation. e	eated databases. Th ur or more. Use temp change attributes li	yext >>) → → → → → → → → → → → → → → → → → → →
I Her Tolk	Cancel Help Click "Next" Database Configuration Ass	istant, Step 2 of 12 : Datab Templates that inclu new database in mir only when necessary cannot be altered af Select Template Q General Custom f	ase Templates de datafiles contain pre-cr nutes, as opposed to an hor ; such as when you need to ter database creation. e Purpose or Transaction Pro Database	eated databases. Th ur or more. Use temp o change attributes li	yext → → □ × Hey allow you to create a plates without datafiles ke block size, which Includes Datafiles Yes No
I her told	Cancel Help Click "Next" Database Configuration Ass	istant, Step 2 of 12 : Datab Templates that inclu new database in mir only when necessary cannot be altered af Select Template O General O Custom I	ase Templates de datafiles contain pre-cr nutes, as opposed to an hor ; such as when you need to ter database creation. e Purpose or Transaction Pro Database rehouse	eated databases. Th ur or more. Use temp o change attributes li	Vext >>
I her toris	Cancel Help Click "Next" Database Configuration Ass	istant, Step 2 of 12 : Datab Templates that inclu new database in mir only when necessary cannot be altered af Select Template O General O Custom I O Data War	ase Templates de datafiles contain pre-cr nutes, as opposed to an hor ; such as when you need to ter database creation. e Purpose or Transaction Pro Database rehouse	eated databases. Th ur or more. Use temp o change attributes li cessing	Vext >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Iner teris	Cancel Help  Click "Next"  Database Configuration Ass	istant, Step 2 of 12 : Datab Templates that inclu new database in mir only when necessary cannot be altered af Select Template O General O Custom I O Data War	ase Templates de datafiles contain pre-cr iutes, as opposed to an ho , such as when you need to ter database creation. e Purpose or Transaction Pro Database rehouse	eated databases. Thur or more. Use temp o change attributes li	Vext >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED Ladin Her

We s	hould choose the na	ame that was writter	n in the bash profile	file
	Antonio Confirmation Anti-A			

We should choose the na	ame that was written	in the bash profile	file	Ro.	
Database Configuration Assista	ant, Step 3 of 12 : Database Ide	ntification		- 🗆	×
	An Oracle database is uniq "name. domain". Global Database Name: A database is referenced b any other instance on this o SID:	uely identified by a Globa DBALPHA by at least one Oracle inst computer by an Oracle Sys DBALPHA	I Database Name, typi ance which is uniquely stem Identifier (SID).	ically of the for	m
Cancel Help			3 Back Next ≥	»)	
2					
Uncheck EM and click "N	ext" ant, Step 4 of 12 : Management	t Options		- 0	×
Uncheck EM and click "N	ext" ant, Step 4 of 12 : Management Enterprise Manager	t Options	ance Tasks	- 0	×
Uncheck EM and click "N	ext" ant, Step 4 of 12 : Management Enterprise Manager Configure Enterprise M C Register with Grid Co Management Service	t Options Automatic Mainten Ianager Introl for centralized man No Agents Found	ance Tasks agement		×
Uncheck EM and click "N	ext" ant, Step 4 of 12 : Management Enterprise Manager Configure Enterprise M C Register with Grid Co Management Service Configure Database Enable Daily Disk E Backup Start Time: OS Username: OS Password:	t Options Automatic Mainten Ianager Ontrol for centralized man No Agents Found Control for local manager Dackup to Recovery Area O2 0 0 0 0 0 0 AM	ance Tasks agement hent		×
Uncheck EM and click "N	ext" ant, Step 4 of 12 : Management Enterprise Manager Configure Enterprise M C Register with Grid Co Management Service Configure Database of Enable Daily Disk E Backup Start Time: OS Username: OS Password:	t Options Automatic Mainten Ianager Introl for centralized man No Agents Found Control for local managen Backup to Recovery Area	ance Tasks agement nent		
Uncheck EM and click "N	ext" ant, Step 4 of 12 : Management Enterprise Manager Configure Enterprise M C Register with Grid Co Management Service Configure Database Enable Daily Disk E Backup Start Time: OS Username: OS Password:	t Options  Automatic Mainten  Ianager  Introl for centralized man No Agents Found  Control for local managen Backup to Recovery Area  02 00 00 00 00 00 00 00 00 00 00 00 00	ance Tasks agement hent PM Back		

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED abriller

#### Enter a password and click "Next"

Database Configuration /	Assistant, Step 5 of 12 : Data	base Credentials		>
	For security reason: database.	s, you must specify passwor	ds for the following us	er accounts in the new
	OUse Different A	dministrative Passwords		
	User Name	Password	Confirm	Password
	SYSTEM			
	Use the Same A	dministrative Password for .	All Accounts	
	Password:	*****		
	Confirm Passwo	rd: ********		
Cancel Help			<u>⊰ B</u> ack №	ext >>)
Cancel Help	d click "Next" Assistant, Step 6 of 12 : Data	base File Locations	(	ext ≫) - □ >
Cancel Help t choose OMF and Database Configuration /	d click "Next" Assistant, Step 6 of 12 : Data Specify storage type	base File Locations	e files.	ext ≫) >
Cancel Help t choose OMF and Database Configuration /	d click "Next" Assistant, Step 6 of 12 : Data Specify storage type Storage Type:	base File Locations e and locations for database File System	e files.	ext ≫) >
Cancel Help t choose OMF and Database Configuration	d click "Next" Assistant, Step 6 of 12 : Data Specify storage type Storage Type: Storage Locations:	base File Locations e and locations for database File System	e files.	ext >>) >
Cancel Help t choose OMF and Database Configuration	d click "Next" Assistant, Step 6 of 12 : Data Specify storage type Storage Type: Storage Locations: O Use Database F	base File Locations e and locations for database File System	e files.	ext ≫) >
Cancel Help t choose OMF and Database Configuration /	d click "Next" Assistant, Step 6 of 12 : Data Specify storage type Storage Type: Storage Locations: O Use Database F O Use Common Lo Database Files	base File Locations e and locations for database File System File Locations from Template ocation for All Database File	e files.	ext >>
Cancel Help t choose OMF and Database Configuration	d click "Next" Assistant, Step 6 of 12 : Data Specify storage type Storage Type: Storage Locations: O Use Database F O Use Common Lu Database Files I	base File Locations e and locations for database File System file Locations from Template potation for All Database File Location: {ORACLE_BASE}/con aged Files	e files.	ext >>)
Cancel Help t choose OMF and Database Configuration /	d click "Next" Assistant, Step 6 of 12 : Data Specify storage type: Storage Type: Storage Locations: OUse Database F OUse Common Lo Database Files I Ouse Oracle-Mai Database Area:	base File Locations e and locations for database File System File Locations from Template ocation for All Database File Location: (ORACLE_BASE)/o naged Files (ORACLE_BASE)/o	e files.	ext >>>
Cancel Help t choose OMF and Database Configuration /	d click "Next" Assistant, Step 6 of 12 : Data Specify storage type Storage Type: Storage Locations: O Use Database F O Use Common Lu Database Files I O Use Oracle-Mar Database Area: Multiplex Rede	base File Locations e and locations for database File System file Locations from Template ocation for All Database File Location: {ORACLE_BASE}/con haged Files {ORACLE_BASE}/con b Logs and Control Files )	e files.	ext >>>
Cancel Help t choose OMF and Database Configuration A	d click "Next" Assistant, Step 6 of 12 : Data Specify storage type Storage Type: Storage Locations: Ouse Database F Ouse Common Lo Database Files I Ouse Oracle-Mar Database Area: Multiplex Rede I If you want to options exce each file loc the names f	base File Locations e and locations for database File System file Locations from Template ocation for All Database File Location: (ORACLE_BASE)/or haged Files (ORACLE_BASE)/or b Logs and Control Files) o specify different locations ept Oracle-Managed Files ar ation. If you use Oracle-Mar or database files, which can	e files.	ext >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

	Disable both options	no need in a	sandbox for now	and click "Next"
--	----------------------	--------------	-----------------	------------------

Database Configuration Ass	istant, Step 7 of 12 : Recovery Configura	tion	_		$\times$
	Choose the recovery options for t	he database:			
	This is used as the default for also required for automatic di recommends that the databas disks for data protection and	all disk based backup and recover sk based backup using Enterprise f se files and recovery files be located performance.	y operation Manager. O Lon physica	is, and is racle ally differ	; rent
Hypersegularities Hypersegularities Hypersegularities Hypersegularities	Fast Recovery Area: Fast Recovery Area Size:	{ORACLE_BASE}/fast_recovery_a	Browse	••••	
And Andrew Strategies	Enable Archiving	Edit Archive Mode Parameters	)		
			ile Location	Variable	25)
Cancel Help	)		ext »)	Einis	h

You should not be installing these sample schemas in a production environment, but since it is a sandbox, it might be a good idea to install some sample schemas to play around...

Database Configuration Assista	nt, Step 8 of 12 : Database Content	_		$\times$
Database Configuration Assista	Sample Schemas Custom Scripts Sample Schemas Illustrate the use of a layered approach to complexity by some demonstration programs. Installing this will give you the follow your database: Human Resources, Order Entry, Online Catalog, Produc Information Exchange, Sales History. It will also create a tablespace cal The tablespace will be about 130 MB. Specify whether or not to add the Sample Schemas to your database. Sample Schemas	; and ar ing sch t Media led EXA	e used emas in MPLE.	×
Cancel Help	G Back Next	>) (	Einish	

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

Actually, this section is really important for a production database. There are some concepts like hugepages - the way, the size how the linux OS allocates memory and AMM for instance does not work with hugepages. If you are intending to use hugepages you have to be using ASMM or a manual setting.

	Memory	Sizing Cha	aracter Sets Co	onnection Mode	
	OTypical	1			
menter I	Memory Size (SGA in	d PGA): 801 M	в	▼	
and and a second	Percentage:	40 %	250 MB		2004 MB
	🗹 Use Automatic Mer	nory Management	Show Memor	ry Distribution )	
	Custom				
	Memory Management	t 👘 Automatic Sha	ared Memory Man	iagement 🚽	
	SGA Size:	600		M Bytes 👻	
	PGA Size:	200		M Bytes 👻	
- 20 🗹	Testel Manager (con Our				
	All Initialization Paramete	rs )			
Cancel ) Help )			🛞 Back	<u>N</u> ext ≫)	Einish
Database Configuration Assista	ant, Step 9 of 11 : Initialization	Parameters	222	-	
Database Configuration Assists	A block is the smallest u once the database is cree Block Size: 8192 Specify the maximum nu simultaneously connected processes and the Oracl Processes: 150	Parameters Sizing Cha nit of storage for all ated. Bytes mber of operating s d to this database. e background proce	aracter Sets Co ocation and for I/ system user proce The value of this esses.	Onnection Mode 'O. It cannot be ch esses that can be parameter include	anged

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

1 Spin	Database Configuration Assista	ant, Step 9 of 11 : Initialization	Parameters		
Kobi Ine Tak		Memory Database Character Set Use the default The default character operating system: WE Use Unicode (AL32UT) Setting character set t groups. Choose from the list o Database Character S	Sizing Character set for this database is b 8MSWIN1252. F8) o Unicode (AL32UTF8) en f character sets et: AL32UTF8 - Unico Show recommend	Sets Connection Mod ased on the language se ables you to store multip de UTF-8 Universal char-	e tting of this le language acter set
1991. 1991.		National Character Set: Default Language: Default Territory.	AL16UTF16 - Unicode American United States	UTF-16 Universal charac	ter set v
Kobi liket	Cancel Help	All Initialization Paramete	rs)	⊰ ₿ackNext ≫	) <u>Einish</u>
tabilitier fait	UII Database Configuration Assista	Memory Database Character Set Use the default The default character operating system: WE	Sizing Character Sizing Character set for this database is b 8MSWIN1252. F8)	Sets Connection Mod	e tting of this
Kalliller		Setting character set t groups. C Choose from the list o Database Character S	o Unicode (AL32UTF8) en f character sets et: AL32UTF8 – Unico Show recommend	ables you to store multip de UTF-8 Universal chara ded character sets only	acter set
to Billing Tak		National Character Set: Default Language: Default Territory:	AL16UTF16 - Unicode American United States	UTF-16 Universal charac	ter set
		All Initialization Paramete	rs)		
100	Cancel Help		C	≪ Back Next ≫	) Einish

Click "Next"				
Database Configuration Assist	ant, Step 9 of 11 : Initializa	ation Parameters		- 🗆 X
	Memory	Sizing Ch	aracter Sets Connection	Mode
	Select the mode in v	which you want your dat	abase to operate by defau	t:
	Dedicated Server For each client cor only that client. U to be small or whe database.	Mode mection the database w se this mode when the r en clients will be making	vill allocate a resource dedi number of total client conne I persistent, long-running n	cated to serving actions is expected equests to the
	C Shared Server Mo Several client conr when a large num efficiently utilizing Shared Servers sp an instance is star	de lections share a databa: ber of users need to col system resources. The ecifies the number of se ted up.	se-allocated pool of resour nnect to the database simu Oracle shared server featu erver processes that you wa	ces. Use this mode Itaneously while Ire will be enabled. Int to create when
	Shared Server:			
			Edit Shared Ser	ver Parameters)
	All Initialization Para	meters	<b>\</b>	]
			<b>\</b>	
Cancel Help			Seck Next	<u> </u>
Click "Next"	18	A.B.S.	10 M	100
Database Configuration Assist	ant, Step 10 of 11 : Databa	ase Storage		- 🗆 X
Grage         -₩) Controlfile         -₩) Controlfile	From the <b>Database</b> creation. This page enable you to chan	Databas Storage page, you car displays a tree listing a ge and view the followin	e Storage specify storage paramete ind summary view (multi-co g objects:	rs for database Ilumn lists) to
	Control files     Tablespaces     Datafiles     Rollback Seg     Redo Log Gr	i Iments ioups		
	From any object types select the specific of t	be folder, click <b>Create</b> to bject from within the ob	o create a new object. To c oject type folder and click <b>i</b>	lelete an object, Delete.
	important: If you s able to add or rem of template enable:	elect a database templa ove data files, tablespa s you to change the follo	ate including data files, the ces, or rollback segments. : wing:	n you will not be Selecting this type
	<ul> <li>Destination (</li> <li>Control files</li> </ul>	of the datafiles or log groups.		
	For more information	on, refer to the <i>Oracle D</i>	atabase Storage Administr	ator's Guide.
Create Delete			File Lo	ocation Variables)
Cancel Help			<u> </u>	> Einish
Le.	Re.	Ke.	Fr.	Fr.

© 2018 KADIR ILKER TAYSI ALL RIGHTS RESERVED

#### Click "Finish" (do not click the Finnish 🗄 )

	lick the Finnish 🛨 )	No.	1 des		No.			140
Database Configuration A	ssistant, Step 11 of 11 : Cre	eation Options			-		×	
	Select the database	e creation options:						
	Create Data	ibase						
	Save as a Da	atabase Template –						. 3
	Name:	DBALPHA						10
	Description:							
	- Conorata Da	atabaca Creation Sci	into					
	Destination	alapase creation sci	ipts					.3
	Directory.	u01/app/oracle/adi	min/DBALPHA/scripts			Browse	2	A.
	L							
sat								
					<ul> <li></li> </ul>			
								13
								P.
					X			6
Cancel ) Help			(⊰ Ba	ck Ne	xt ≥)(	Ēinis	h	5
Cancel Help	)		( Ba	ck Ne	xt >) (	Einis	h	to.
Cancel Help			( d Ba	ck Ne	<u>кт &gt;</u> ) (	Einis	h	to.
Cancel Help			<u>( Ba</u>	ck Ne	xt >) (	Einis	h	E.
Cancel Help			X	ck Ne	xt ≥) (	Einis	h	15. 15.
Cancel Help Ck "OK" Confirmation e following operations will be p			×	ck Ne	) (< tx	Einis	h	to to
Cancel Help Ck "OK" Confirmation e following operations will be p. database called "DBALPHA" will	erformed: ill be created.		×	ck Ne:	xt ≥) (	Einis	h	ton ton
Cancel Help Ck "OK" Confirmation a following operations will be p a database called "DBALPHA" will batabase Details:	erformed: ill be created.		×	ck Ne	<u>xt &gt;) (</u>	Einis	ħ	t.
Cancel Help Ck "OK" Confirmation a following operations will be p. database called "DBALPHA" wi vatabase Details: Create	erformed: ill be created.	ımmary	× Ba	ck Ne	xt >) (	Einis	n	t.
Cancel Help Ck "OK" Confirmation e following operations will be p database called "DBALPHA" wi vatabase Details: Create Database Configurati	erformed: III be created. 2 Database – Su on Summary	Immary	× Ba	ck Ne	<u>xt &gt;) (</u>	Einis	h	t.
Cancel Help Ck "OK" Confirmation e following operations will be p database called "DBALPHA" wi vatabase Details: Create Patabase Configurati	erformed: III be created. 2 Database – Su on Summary	ımmary	×	ck <u>V</u> e:	xt >) (	Einis	h	te. E.
Cancel Help Ck "OK" Confirmation e following operations will be p database called "DBALPHA" will Database Configuration Create Database Configuration Clobal Database Name: Database Configuration Type	erformed: III be created. e Database – Su on Summary : DBALPHA : Single Instance	ımmary		ck Ne	xt >) (	Einis	h	ter ter
Cancel Help Ck "OK" Confirmation e following operations will be p database called "DBALPHA" wi vatabase Details: Create Database Configurati Global Database Name: Database Configuration Type: SiD:	erformed: III be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA	Immary		ck Ne	<u>кт &gt;) (</u>	Einis	h	te. te.
Cancel Help Ck "OK" Confirmation e following operations will be produced cdatabase called "DBALPHA" will batabase Called "DBALPHA" will batabase Configuration Create Database Configuration Clobal Database Name: Database Configuration Type: SID: Management Option Type:	erformed: ill be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None	ımmary	× Ba	ck je:	<u>жт</u> >) (	Einis	h	
Cancel Help Ck "OK" Confirmation e following operations will be p database called "DBALPHA" wi Database Called "DBALPHA" wi Database Details: Create Database Details: Create Database Configuration Global Database Name: SiD: Management Option Type: Storage Type: View Configuration	erformed: ill be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None : File System	Immary		ck <u>N</u> e	жт >) (	Einis		
Cancel Help Ck "OK" Confirmation e following operations will be p database called "DBALPHA" will vatabase Details: Create Database Configuration Clobal Database Name: Database Configuration Type: SiD: Management Option Type: Storage Type: Memory Configuration Type:	erformed: ill be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None : File System : Automatic Shared Memory M	Immary		ck Ne	xt >) (	Einis		
Cancel Help Ck "OK" Confirmation e following operations will be p k database called "DBALPHA" wi batabase Details: Create Database Configurati Global Database Name: Database Configuration Type: Storage Type: Memory Configuration Type: Database Configuration	erformed: ill be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None : File System : Automatic Shared Memory N on Details	Immary		ck <u>N</u> e	жт >>) ( Эл	Einis		
Cancel Help Ck "OK" Confirmation e following operations will be p k database called "DBALPHA" will batabase Details: Create Catabase Configurati Global Database Name: Database Configuration Type: Storage Type: Memory Configuration Type: Oatabase Configurati Database Configurati Database Configurati Database Configurati Database Configurati Database Components	erformed: III be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None : File System : Automatic Shared Memory N on Details	Immary Management		ck Ne	xt >) (	Einis		
Cancel Help Ck "OK" Confirmation e following operations will be p a database called "DBALPHA" wi batabase Details: Create Database Details: Catabase Configurati Global Database Name: Database Configuration Type: Storage Type: Memory Configuration Type: Database Components Database Components Catabase Components	erformed: III be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None : File System : Automatic Shared Memory M on Details	Immary Management		ck Ne	хт >> (	Einis		
Cancel Help Ck "OK" Confirmation e following operations will be p database called "DBALPHA" wi Database called "DBALPHA" wi Database Configurati Global Database Name: Database Configurati Global Database Name: SiD: Management Option Type: Storage Type: Memory Configuration Type: Storage Type: Memory Configuration Type: Database Configurati Database Configurati Database Configurati Database Configurati Database Configurati Database Components Component Dracle JVM	erformed: ill be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None : File System : Automatic Shared Memory M on Details Selected true	Immary Management		ck Ne	жт >> (	Einis		
Cancel Help Ck "OK" Confirmation Confirmation Confirmation Confirmation Confirmation Create Catabase called "DBALPHA" will batabase Details: Create Catabase Configuration Clobal Database Name: Database Configuration Component	erformed: ill be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None : File System : Automatic Shared Memory M on Details Selected true true	Immary		ck Ne	хт ≥) ( 	Einis		
Cancel Help Ck "OK" Confirmation e following operations will be p A database called "DBALPHA" wi Database Details: Create Database Details: Catabase Configuration Clobal Database Name: Database Configuration SID: Management Option Type: Storage Type: Memory Configuration Component Database Components Component Dracle JVM Dracle Text Dracle XML DB	erformed: III be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None : File System : Automatic Shared Memory N on Details Selected true true true	Immary Management		ck Ne	хт >> (	Einis		
Cancel Help Ck "OK" Confirmation e following operations will be p a database called "DBALPHA" wi batabase Details: Create Database Details: Create Database Configurati Global Database Name: Database Configuration Type: Storage Type: Memory Configuration Type: Catabase Components Database Components Component Dracle JVM Dracle Text Dracle XML DB Dracle Multimedia	erformed: III be created. e Database – Su on Summary : DBALPHA : Single Instance : DBALPHA : None : File System : Automatic Shared Memory M on Details Selected true true true true	Immary		ck Ne:	<u>жт &gt;) (</u>	Einis		

