

R12.2 Installation Document:

Environment Details & Storage Requirement:

Platform: Oracle Enterprise Linux 6.5	
Disk Space Requirements	
Node	Space Required
Database node file system (Fresh install)	90 GB (includes database files and 12cR1 database Oracle home).
Database node file system (Vision Demo database)	200 GB (includes database files and 12cR1 database Oracle home).
Applications node file system (OracleAS 10.1.2 Oracle home, Oracle Fusion Middleware Oracle home, COMMON_TOP, APPL_TOP, and INST_TOP)	64 GB (for dual file system). Also, see Note below for language (NLS) considerations.

How To Create the Stage In Preparation For Installation:

1.After creating the stage area directory it is required to manually unzip only the "Oracle E-Business Suite Release 12.2.0 Rapid Install Start Here" or unzip [Patch 22066363](#) files. **Do not manually unzip the other stage files. After unzipping the startCD, the buildStage.sh script should be run to unzip the rest of the installation software.**

```
cd /stage/R12_SOFT/  
unzip V35215-01_2of3.zip  
unzip V35215-01_1of3.zip  
unzip V35215-01_3of3.zip
```

2.Running the buildStage.sh script is a mandatory pre-installation step

```
cd /stage/R12_SOFT/startCD/Disk1/rapidwiz/bin  
./buildStage.sh
```

Output:

```
[root@r12 bin]# ./buildStage.sh
```

Build Stage Menu

1. Create new stage area
2. Copy new patches to current stage area.
3. Display existing files in stage TechPatches.
4. Exit menu

Enter your choice [4]: 1

Rapid Install Platform Menu

1. Oracle Solaris SPARC (64-bit)
2. Linux x86-64
3. IBM AIX on Power Systems (64-bit)
4. HP-UX Itanium
5. Exit Menu

Enter your choice [5]: 2

```
/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jre/Linux_x64/1.6.0/bin/java -classpath  
/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jlib/emocmutl.jar:/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jlib/ewt-3_4_22.jar:/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jlib/shar
```

e-1_1_18.jar:/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jlib/jnls.jar:/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jlib/ACC.JAR:/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jlib/netcfg.jar:/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jlib/ojdbc14.jar:/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jlib/OraInstaller.jar:/stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jlib/java oracle.apps.ad.rapidwiz.util.StageBuilder /stage/R12_SOFT/startCD/Disk1/rapidwiz/bin

Please enter the directory containing the zipped installation media:
/stage/R12_SOFT

Issues Faced:

./buildStage.sh: /stage/R12_SOFT/startCD/Disk1/rapidwiz/bin/../../jre/Linux_x64/1.6.0/bin/java:
/lib/ld-linux.so.2: bad ELF interpreter: No such file or directory

solution:

yum install ld-linux.so.2

YUM SETUP for installing rpms:

a)Please add below parameters to /etc/yum.repos.d/public-yum-ol6.repo

[ol6_addons]

name=Oracle Linux \$releasever Add ons (\$basearch)

baseurl=http://public-yum.oracle.com/repo/OracleLinux/OL6/addons/\$basearch/

gpgkey=http://public-yum.oracle.com/RPMGPGKEYoracleol6

gpgcheck=1

enabled=1

[ol6_UEK_latest]

name=Latest Unbreakable Enterprise Kernel for Oracle Linux \$releasever

baseurl=http://public-yum.oracle.com/repo/OracleLinux/OL6/UEK/latest/\$basearch/

gpgkey=http://public-yum.oracle.com/RPMGPGKEYoracleol6

gpgcheck=1

enabled=1

b)Install EBusinessSuite PreInstall RPM:

This preinstall rpm will significantly reduce the preparation time of the environment prior to installing, upgrading or cloning an EBusinessSuite R12 instance by performing the following tasks:

1. downloading and installing all software package versions and dependencies required for installing EBusiness Suite R12
2. creating the users oracle and applmgr for use as owners of the database and application tiers respectively, while setting hard and soft shell resource limits in `/etc/security/limits.conf` for Oracle Linux 5 and in `/etc/security/limits.d/oracleebsserverR12preinstall.conf` for Oracle Linux 6 and 7
3. updating kernel parameters in `/etc/sysctl.conf` to recommended values
4. sets DNS resolver parameters in `/etc/resolv.conf` to minimum recommended values
5. sets 'numa=off' in the kernel commandline
6. Disables 'Transparent Huge Pages (THP)' for Oracle Linux 6 and 7 if it is enabled

```
yum install oracle-ebs-server-R12-preinstall
```

[c\) Set the hostname](#)

1. Login as root and modify hostname in `/etc/sysconfig/network`
 2. Modify `/etc/hosts` file
- ```
192.168.1.234 r12.dynasoft.com r12
```
3. Restart the server.

#### [d\) Modify ulimit settings in limits.conf](#)

Open the `/etc/security/limits.conf` file and change the existing ulimit settings for "hard" and "soft" parameters as follows. Restart the system after making changes.

```
* hard nfile 65536
* soft nfile 4096
* hard nproc 16384
* soft nproc 2047
```

```
* hard stack 16384
* soft stack 10240
* hard memlock 134217728
* soft memlock 134217728
```

### e) Swap Space

It is recommended that the swap space on the system be 16 GB or more. To determine the size of the configured swap space, enter the following command:

```
[root@r12 ~]# grep SwapTotal /proc/meminfo
```

```
SwapTotal: 2031612 kB--> (1.9G)
```

So follow below steps to increase swap space.

```
cd /u01/SWAP_SPACE
```

```
dd if=/dev/zero of=myswapfile bs=1M count=15360
```

```
chmod 600 /u01/SWAP_SPACE/myswapfile
```

```
mkswap /u01/SWAP_SPACE/myswapfile
```

```
swapon /u01/SWAP_SPACE/myswapfile
```

To make this swap file available as a swap area even after the reboot, add the following line to the `/etc/fstab` file.

```
/u01/SWAP_SPACE/myswapfile swap swap defaults 0 0
```

Reboot the server

#### f)Threading Model in Linux must be NPTL:

In order to install and run the EBusinessSuite on Linux,the NPTL model must be the configured threading implementation for the operating system. This can be checked with the command

```
[root@r12 SWAP_SPACE]# getconf GNU_LIBPTHREAD_VERSION
NPTL 2.12
```

#### g)OPMN port conflict:

Attention: By default, the OPMN service of the Application Server technology stack listens on port 6000 when started up during Rapid Install. This can conflict with the X11 port used for the graphics console on Linux servers and prevent Rapid Install from completing.

Check if the port 6000 is being used ("netstat a | grep 6000")

```
[root@r12 SWAP_SPACE]# netstat -a | grep 6000
[root@r12 SWAP_SPACE]#
```

#### h)Check /etc/services for size

To avoid a Java stack overflow during the registration of the 10.1.2 Oracle Home while installing 12.2, it is necessary to backup the /etc/services file, **remove commented lines** in the file and then restore the file after installing 12.2 if there are a large number of commented lines (> ~1300) in the file.

```
[root@r12 SWAP_SPACE]# cat /etc/services | egrep ^# | wc -l
95
```

```
cp /etc/services ~
```

#### i)Disable Firewall in VM:

To disable firewall permanently, enter:

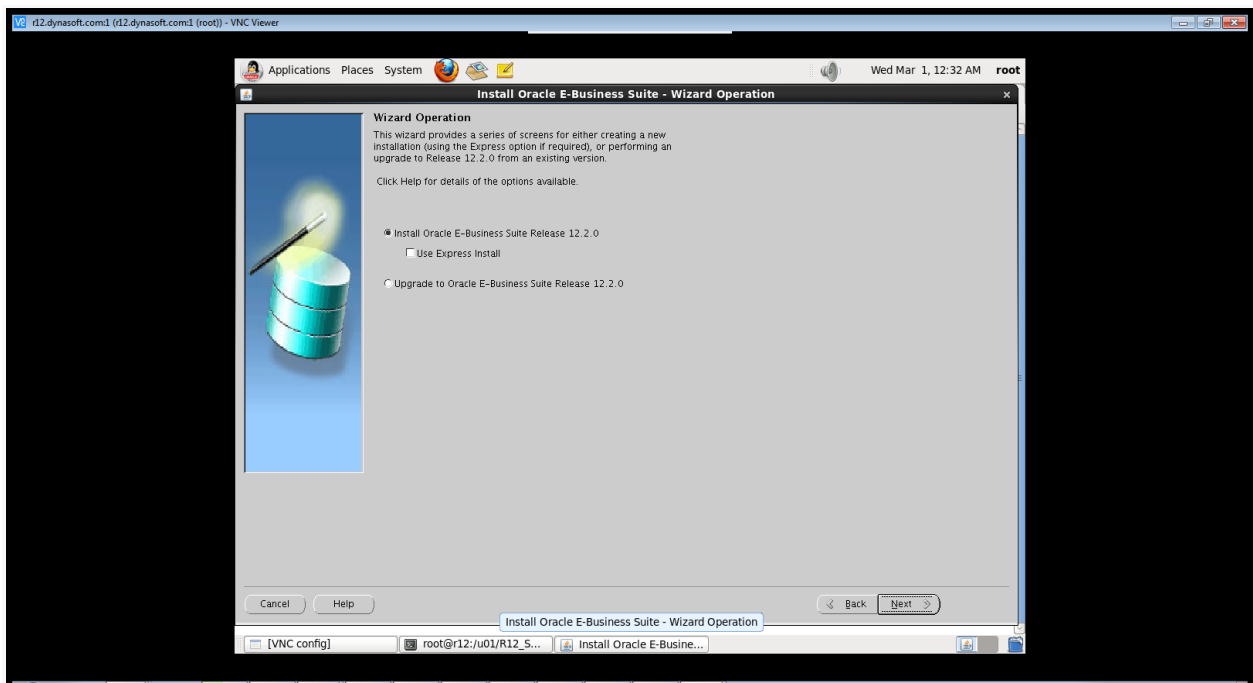
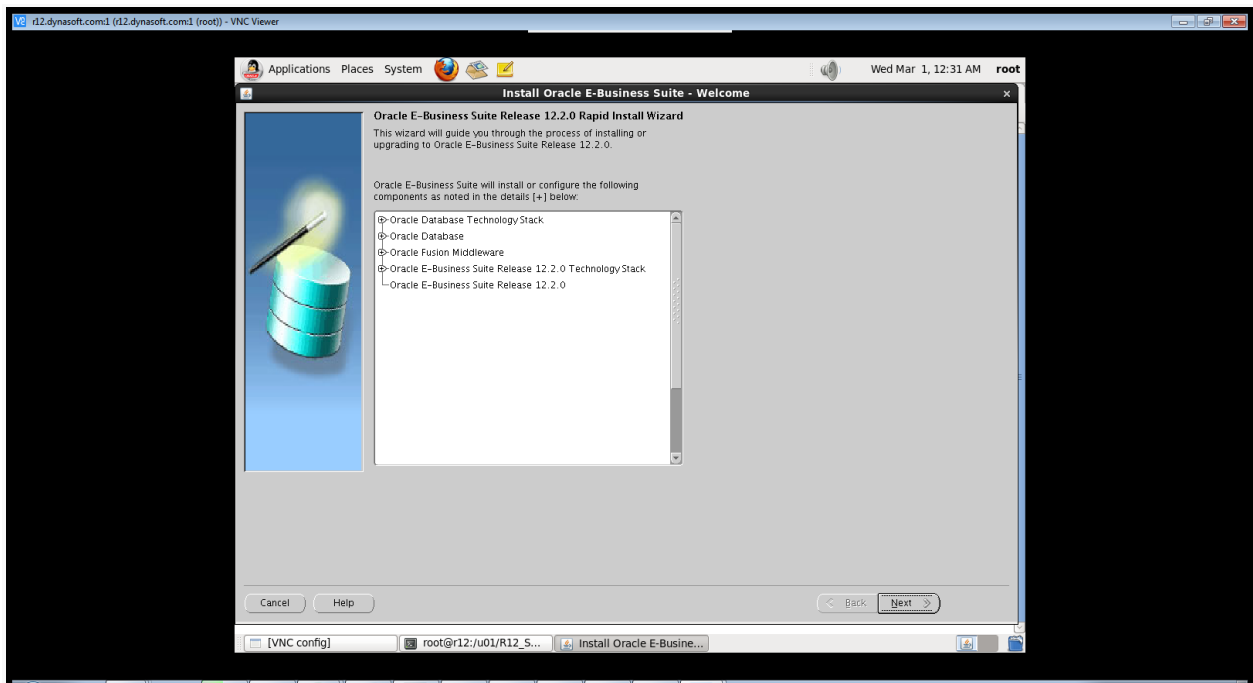
```
chkconfig iptables off
service iptables stop
```

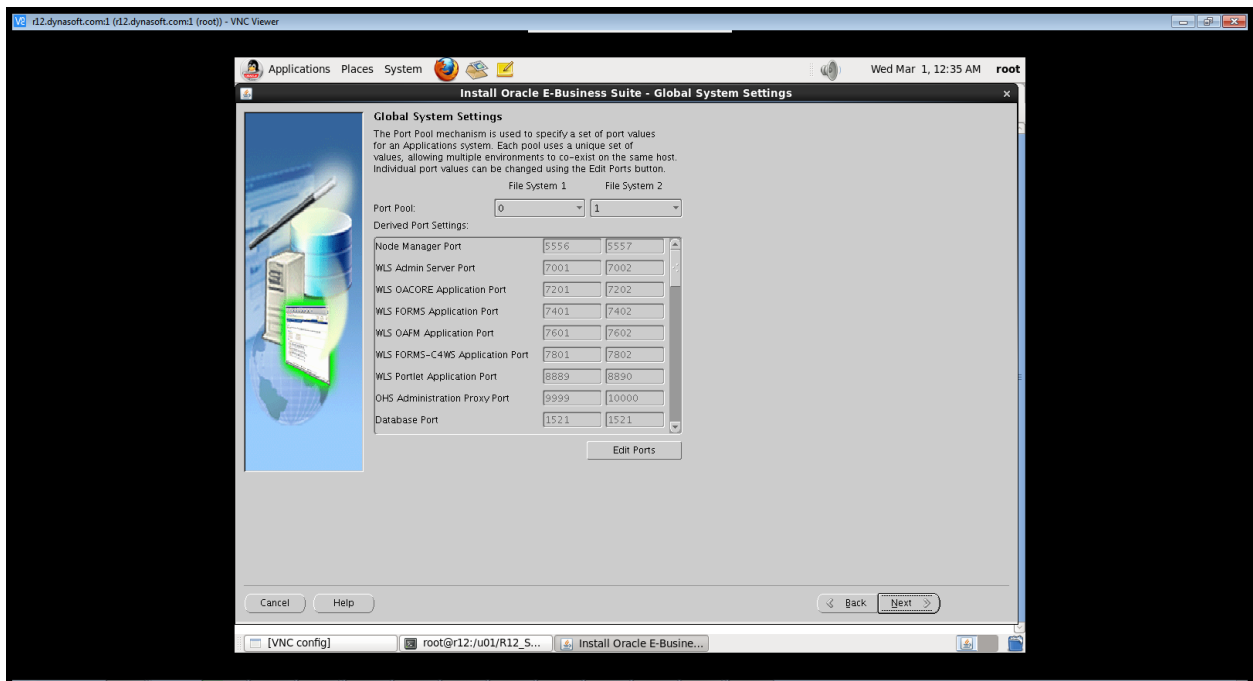
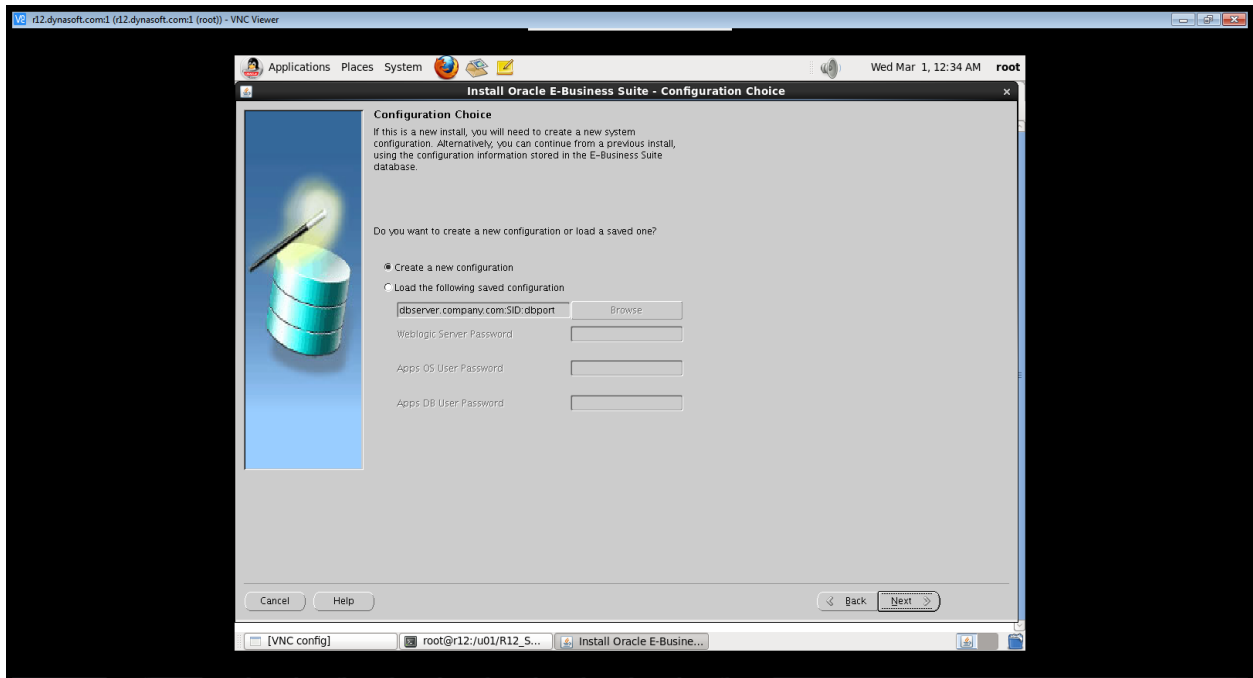
#### j)Create a inventory file /etc/oraInst.loc:

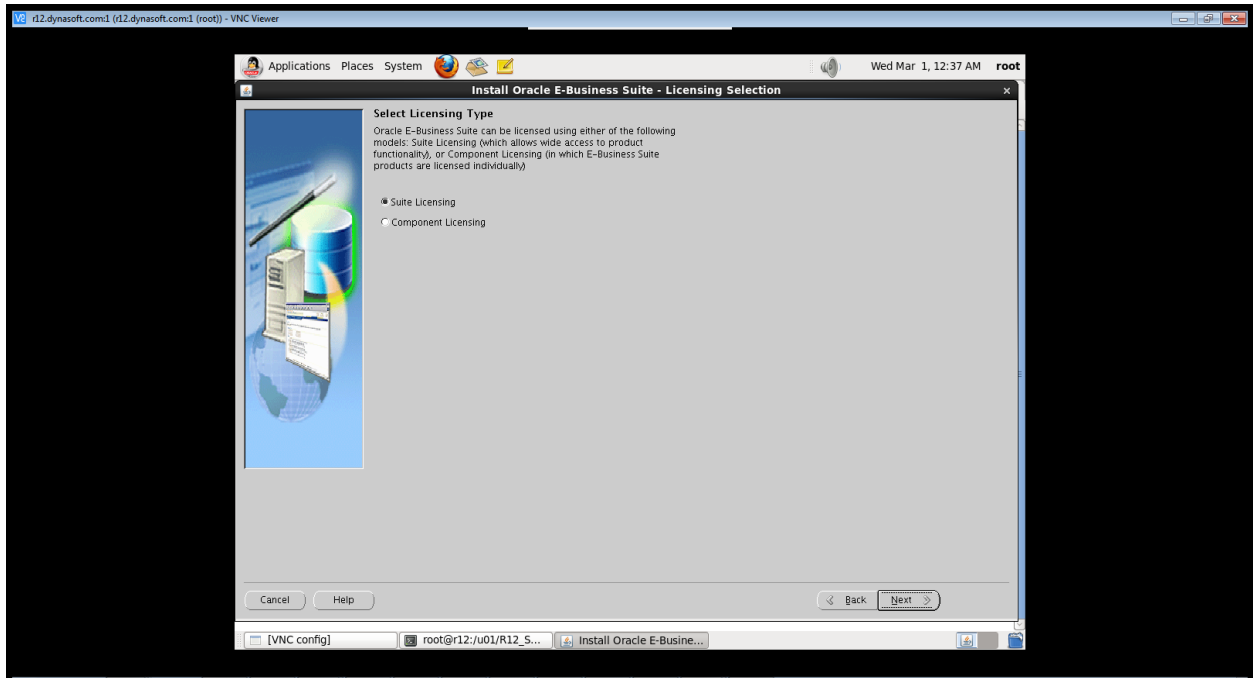
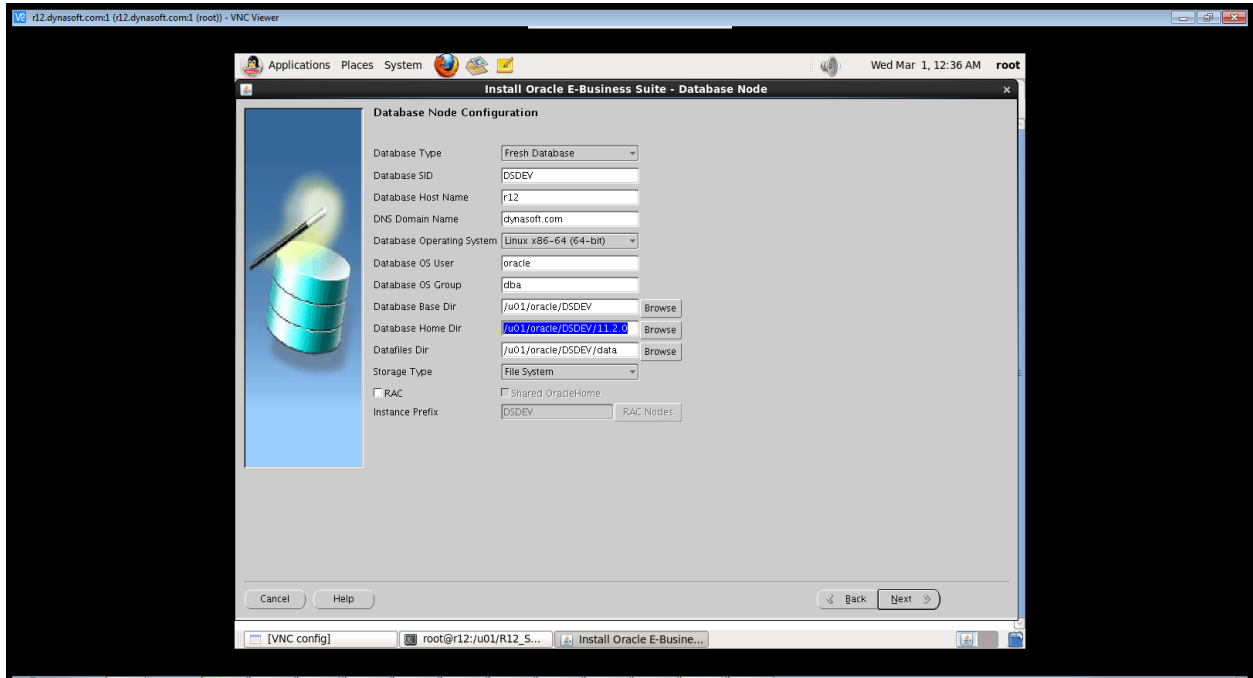
```
mkdir -p /u01/oraInventory/
chmod 777 /u01/oraInventory/
[oracle@r12 ~]$ more /etc/oraInst.loc
inst_group=dba
inventory_loc=/u01/oraInventory/
```

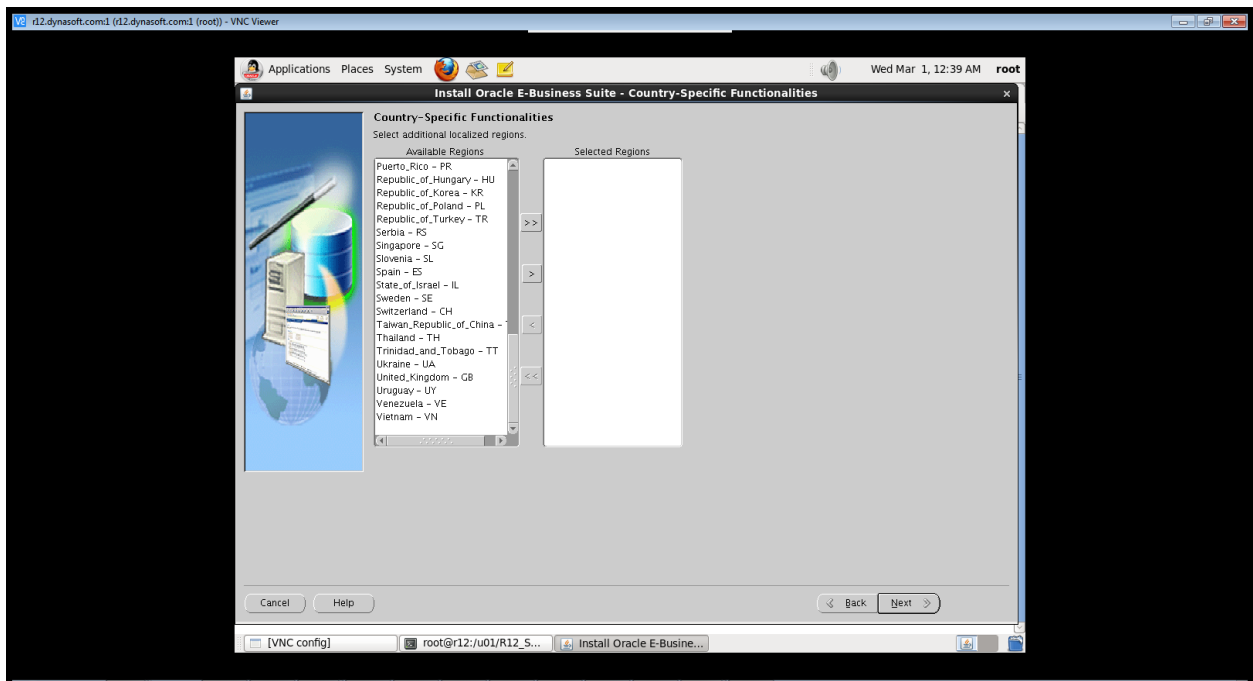
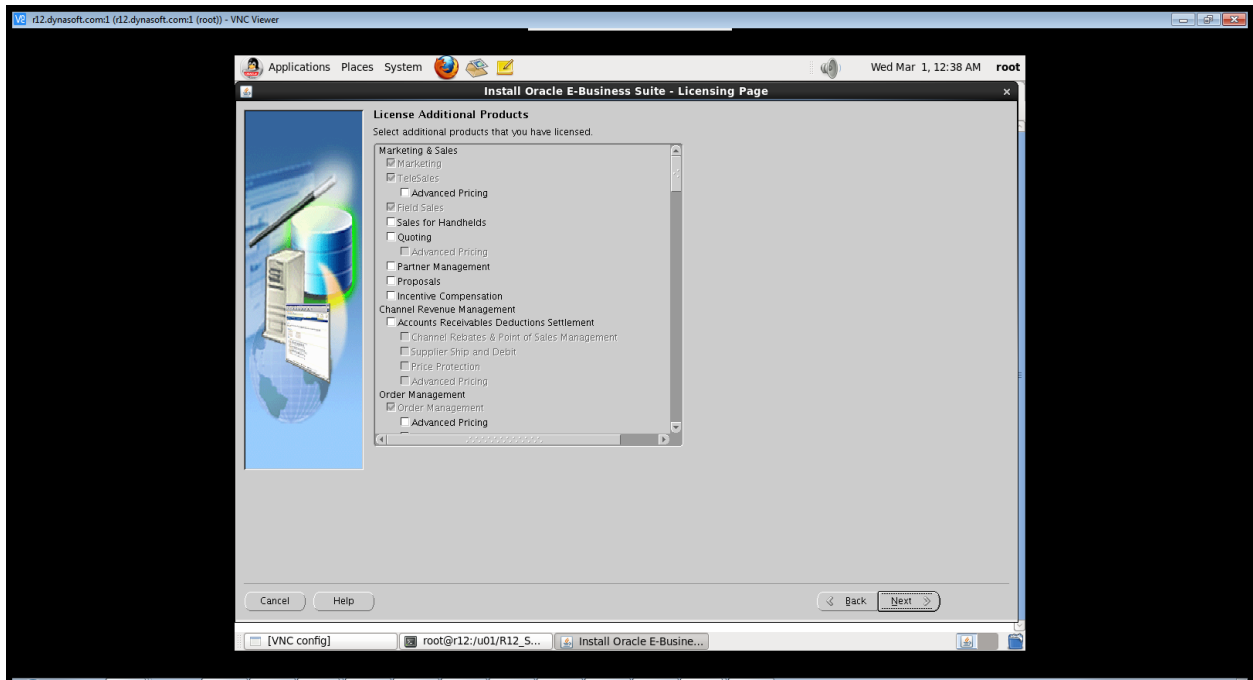
#### h)Start Installer from root user:

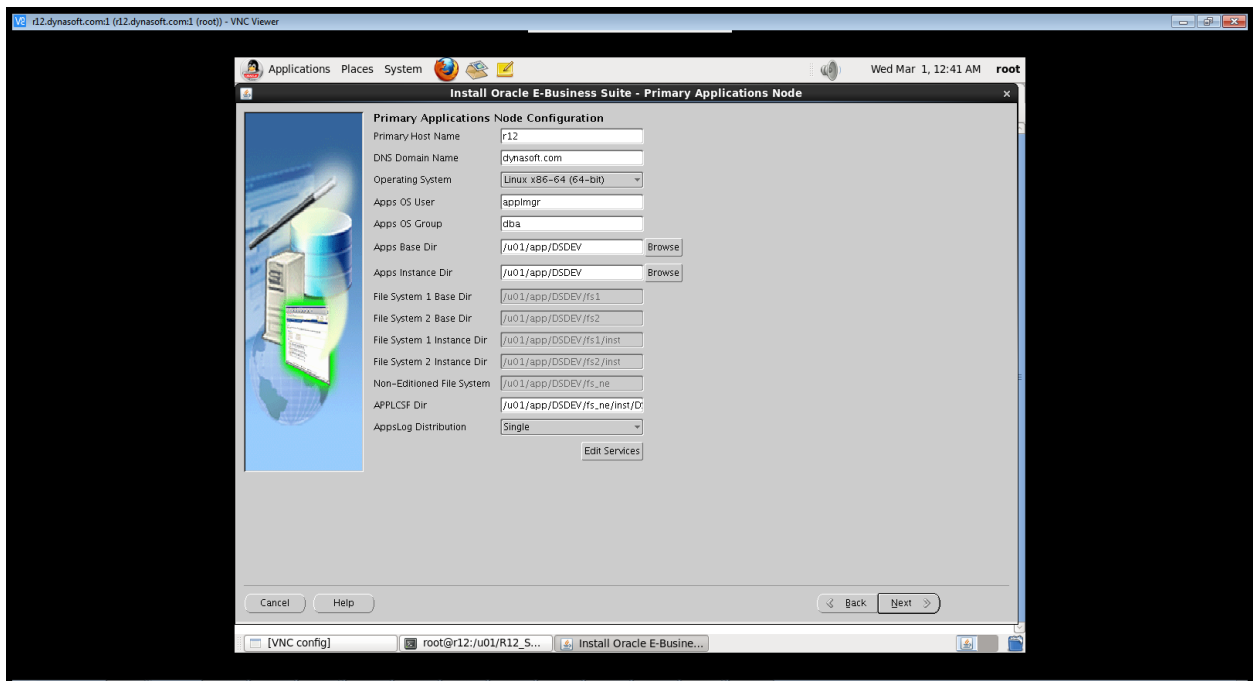
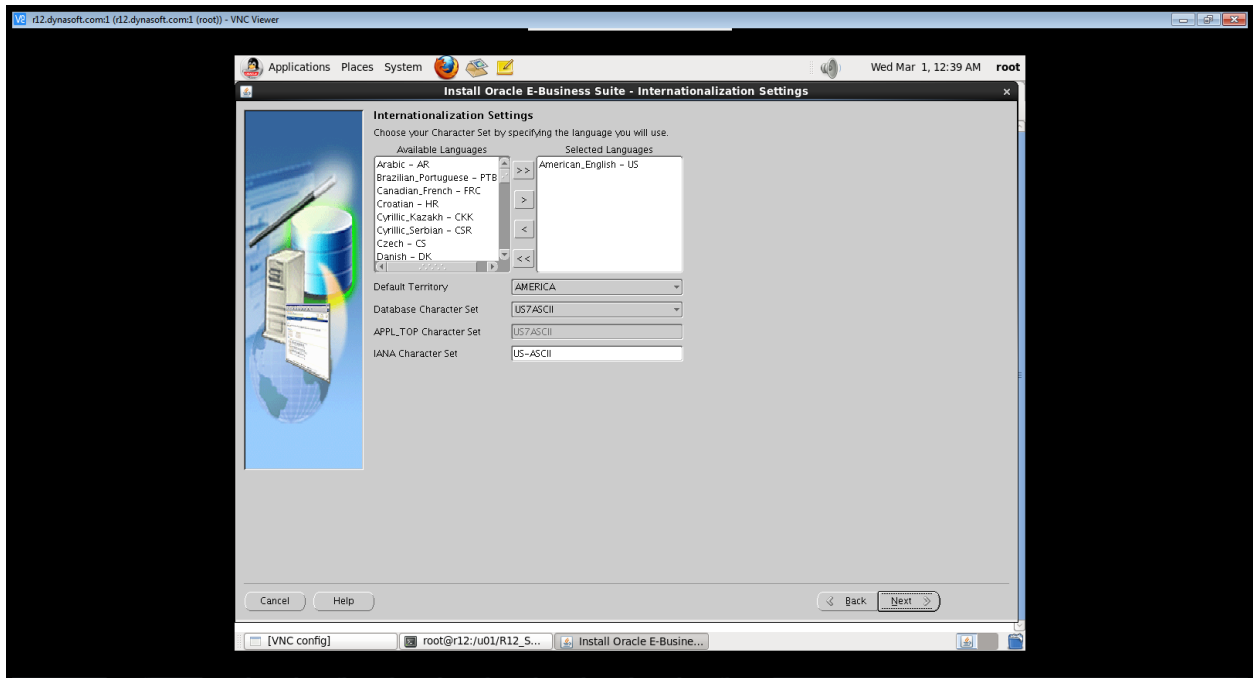
```
/u01/R12_SOFT/startCD/Disk1/rapidwiz
./rapidwiz
```











r12.dynasoft.com:1 (r12.dynasoft.com:1 (root)) - VNC Viewer

Applications Places System Wed Mar 1, 12:50 AM root

### Install Oracle E-Business Suite - Application User Information



#### Application User Information

|                                                              |                                        |
|--------------------------------------------------------------|----------------------------------------|
| WLS Admin User                                               | <input type="text" value="weblogic"/>  |
| WLS Admin Password                                           | <input type="password" value="*****"/> |
| Confirm WLS Admin Password                                   | <input type="password" value="*****"/> |
| Apps OS User                                                 | <input type="text" value="applmgr"/>   |
| Apps OS User Password                                        | <input type="password" value="*****"/> |
| Confirm Apps OS User Password                                | <input type="password" value="*****"/> |
| <input checked="" type="checkbox"/> Change Default Passwords |                                        |
| Apps DB User Password                                        | <input type="password" value="*****"/> |
| Confirm Apps DB User Password                                | <input type="password" value="*****"/> |
| SYSTEM DB User Password                                      | <input type="password" value="*****"/> |
| Confirm SYSTEM DB User Password                              | <input type="password" value="*****"/> |
| Products DB Users Password                                   | <input type="password" value="*****"/> |
| Confirm Products DB Users Password                           | <input type="password" value="*****"/> |

Cancel Help Back Next

[VNC config] root@r12:/u01/R12\_S... Install Oracle E-Busine...

