



?? Oracle VM Manager (OVMM) ????????

OVMM ????????

?: ? OVMM 3.4 ??

- Oracle VM Manager ???
- Oracle WebLogic Server 12c
- MySQL Enterprise Edition

1. ?? Oracle Linux & Oracle VM Manager ISO

????? <http://edelivery.oracle.com/oraclevm>

- Oracle Linux ??? 64-bit????? Oracle Linux 5.7 64-bit ???
- Oracle VM Manager ISO ?????? Oracle VM ???

2. ?????? Oracle Linux

- Disk ?? 20GB+?????? Oracle VM Manager ISO ??
- Memory 4GB+?????? OVMM?
- ????????
- ?????? IPv6??? OVMM ??? IPv6?
- ?????? SELinux ? Firewall?

NOTE: ?? OVMM ? Firewall ?????????????? Installation and Upgrade Guide for Release 3.3??? 3.2.2.6 Firewall Configuration?

???

- OVMM 3.2.x ??????? 7800 MB?
- OVMM 3.2.x ?? MySQL ?????3.1.x ?????? Oracle Express ????
- OVMM 3.3.1/3.4 ??????

3. ?? OVMM

????

?????

- Memory 8GB (recommend)
- CPU 1.83 GHz*1?64 bit
- Disk free space // v3.3.x ??
 - ? Swap Space 2.1GB
 - ? /u01 5.5 GB
 - ? /tmp 3 GB
 - ? /var 500 MB
 - ? /usr 500 MB

?????

- Oracle Linux 5.5+ 64-bit
- Oracle Linux 6 64-bit
- Oracle Linux 7 64-bit (for OVMM 3.4)

??????????

Oracle Linux 5/6.x)

```
yum install zip unzip libaio perl numactl
```

???

```
// ?? OVMM ISO ?????
```

```
mkdir /mnt/iso
```

```
mount -o loop Oracle_VM_Manager_3.2.8_V44601-01.iso /mnt/iso/
```

```
// ??????
```

NOTE: ?????????? oracle ?????? limits.conf????????????????

```
cd /mnt/iso
```

```
sh createOracle.sh
```

OVMM 3.3.x?

```
[root@tycoddovmm iso]# sh createOracle.sh
```

```
Adding group 'oinstall' with gid '54321' ...
```

```
Adding group 'dba'
```

```
Adding user 'oracle' with user id '54321', initial login group 'dba', supplementary group 'oinstall'  
and home directory '/home/oracle' ...
```

```
Changing ownership of '/home/oracle' to oracle:dba
```

```
Creating user 'oracle' succeeded ...
```

```
For security reasons, no default password was set for user 'oracle'. If you wish to login as the  
'oracle' user, you will need to set a password for this account.
```

```
Verifying user 'oracle' OS prerequisites for Oracle VM Manager ...
```

```
oracle soft  nofile      8192
```

```
oracle hard  nofile      65536
```

```
oracle soft  nproc       2048
```

```
oracle hard  nproc       16384
```

```
oracle soft  stack       10240
```

```
oracle hard  stack       32768
```

```
oracle soft  core        unlimited
```

```
oracle hard  core        unlimited
```

```
Setting user 'oracle' OS limits for Oracle VM Manager ...
```

```
Altered file /etc/security/limits.conf
```

```
Original file backed up at /etc/security/limits.conf.orabackup
```

```
Verifying & setting of user limits succeeded ...
Creating mountpoint '/u01' ...
Modifying iptables for OVM
Adding rules to enable access to:
    7002 : Oracle VM Manager https
    54322 : Oracle VM Manager core via SSL
    123 : NTP
    10000 : Oracle VM Manager CLI Tool
service iptables status: stop
Saving firewall rules to /etc/sysconfig/iptables:    [ OK ]
Flushing firewall rules:                            [ OK ]
Setting chains to policy ACCEPT: filter             [ OK ]
Unloading iptables modules:                         [ OK ]
Applying iptables firewall rules:                   [ OK ]
Loading additional iptables modules: ip_conntrack_netbios_n[ OK ]
Flushing firewall rules:                            [ OK ]
Setting chains to policy ACCEPT: filter             [ OK ]
Unloading iptables modules:                         [ OK ]
Rules added.
```

// ????

sh runInstaller.sh

TIPS?

- * ??? disk ?????? OVMM????? OVMM ??? ISO ??(2.5GB)????????????????? NFS ?????
- * ?? NFS ?????? chmod -R 0755????????????
- * ?????? 2x-3x ??????????
- * ?????????? 8-16 ?????????????????????????????????
- * ??? ????/IP ?????? localhost ? 127.0.0.1?

OVMM 3.1.x?

Please select an installation type:

- 1: Demo
- 2: Production
- 3: Uninstall
- 4: Help

Select Number (1-4): 2

Oracle Database Repository

=====

Would you like to install Oracle Database 11g Express Edition (XE) or connect to an existing Oracle database?

- 1: Install Oracle Database 11g XE
- 2: Use an existing Oracle database

Select Number (1-2): 1

Enter the Oracle Database SYSTEM password:

Enter the Oracle Database SYSTEM password (confirm):

Enter the Oracle Application Express (APEX) port [8080]:

Enter the Oracle Database listener port [1521]:

Enter the Oracle VM Manager database schema [ovs]:

Enter the Oracle VM Manager database schema password:

Enter the Oracle VM Manager database schema password (confirm):

Oracle Weblogic Server 11g

=====

Enter the Oracle WebLogic Server 11g user [weblogic]:

Enter the Oracle WebLogic Server 11g user password:

Enter the Oracle WebLogic Server 11g user password (confirm):

Oracle VM Manager application

=====

Enter the username for the Oracle VM Manager administration user [admin]:

Enter the admin user password:

Enter the admin user password (confirm):

Start installing the configured components:

- 1: Continue
- 2: Abort

Select Number (1-2): 1

....

...

OVMM 3.2.x?

Please select an installation type:

- 1: Simple (includes database if necessary)
- 2: Custom (using existing Oracle database)
- 3: Uninstall
- 4: Help

Select Number (1-4):1

Starting production with local database installation ...

Verifying installation prerequisites ...

*** WARNING: Recommended memory for the Oracle VM Manager server installation using Local MySQL DB is 7680 MB RAM

One password is used for all users created and used during the installation.
Enter a password for all logins used during the installation: <????????????????>

OVMM 3.3.1?

Please select an installation type:

- 1: Install
- 2: Upgrade
- 3: Uninstall
- 4: Help

Select Number (1-4): 1

One password is used for all users created and used during the installation.
Enter a password for all logins used during the installation: <????????????????>

Please enter your fully qualified domain name, e.g. ovs123.us.oracle.com, (or IP address) of your management server for SSL certification generation 10.15.9.30 [ovmm.localdomain]: <Enter>

Start installing Oracle VM Manager:

- 1: Continue
- 2: Abort

Select Number (1-2): 1

4. ?? ovmcore-console

?????? VNC ??? VM ???????????????????

cd /mnt/iso
rpm -ivh ovmcore-console-1.0-36.el5.noarch.rpm

?????

OVMM 3.1.x)

??????? http://ovmm.ip.address:7001/ovm/console??? admin??????????????

OVMM 3.2.x, 3.3.1, 3.4)

URL ?? https://ovmm.ip.address:7002/ovm/console??? admin????????????

5. ??????

??????? OVS ??? OVMM ?????????????? OVMM ??????

?? ntp ??

```
yum install ntp
```

??????

```
?? /etc/sysconfig/clock ??? setup?
```

?? NTPD

```
?? ntp.conf
```

```
// ?????? OVS ??????????????????????????????
```

```
# Hosts on local network are less restricted.
```

```
restrict 192.168.7.0 mask 255.255.255.0 nomodify notrap
```

```
// ??????
```

```
#server 127.127.1.0 # local clock
```

```
#fudge 127.127.1.0 stratum 10
```

```
//??????? NTP ??????
```

```
server 0.rhel.pool.ntp.org
```

```
server 1.rhel.pool.ntp.org
```

```
server 2.rhel.pool.ntp.org
```

?? NTPD ??

```
service ntpd start
```

```
chkconfig ntpd on
```

????

```
ntpq -p
```

```
- delay ? offset ????? 0, jitter ??? < 100, refid ?????? LOCL
```

```
- ntpd ?????????? time server ?????????? time server ??????????????????????????????????OVMM ????? ntpdate +  
cron ??????
```

Q & A

Q: ????????

Verifying installation prerequisites ...

Missing required package. Oracle VM Manager requires numactl to be installed.

Configuration verification failed ...

A: ??? log ? /var/log/ovmm/ovm-manager-3-install-2018-04-28-024902.log

CST Apr 28 02:49:05.402 system.process DEBUG system.process.start

CST Apr 28 02:49:05.458 system.process DEBUG system.process.run ended, exitcode was 1

CST Apr 28 02:49:05.458 system.process DEBUG system.process.run stdout:

package numactl is not installed

??? numactl

yum install numactl

Q: ?????? Unable to ping hostname 'ovmm.xxxxx'.

A??? /etc/hosts?????????