

Oracle VM Manager 3.3/4.x

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????? OVM

1. Discover Servers
2. Discover Storage
3. Create Virtual Network
4. Create Server Pool
5. Create Storage Repository
6. Import VM Template
7. Create Virtual Machine

Discover Servers (OVS)

NOTE: `ssh ovs ovm omm ntpdate -time-server-ip && hwclock -w`

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

Servers and VMs > Discover Servers

- Oracle VM Agent Port<OVS agent port 8899>
- Oracle VM Agent Password<OVS agent password>
- IP Address/Hostname<OVS IP>

TIPS?

* Discover OVS OVM Discover

* OVS Unassigned Servers Owned Owned by you?

* ?? OVS ??? SAN Storage????? Discover Servers ????? OVMM > Storage > SAN Servers > Unmanaged FibreChannel Storage Array ??? LUN Disk ????

* ??? Discover Servers ??OVS ??????????????

Discover Storage (?? Storage)

OVMM ? Storage ??????File Server ? SAN Server?????????

- File Server?NFS Server
- SAN Server?iSCSI?FCP

SAN Server with FCP)

OVMM > Storage > Discover SAN Server (?????????)

NOTE:

?? OVS ??? SAN Storage ?????? OVS ??? multipath -l ?????? LUN Disks????????? Discover Servers
????????????????? Discover Storage ??????????????

?? Server Pool

???? SAN ? iSCSI Disks ?

????????? [Local Disk](#) ????? [Server Pool](#)?

?? SAN Disk?FCP??

Enable Multipath I/O support

- OVM 3.2?[Designing, Creating and Testing an Oracle VM 3.2 Environment?](#)
- OVM 3.4 : Oracle VM Administrator's Guide > 1.2 Enabling Multipath I/O Support

?: multipath.conf ??? user_friendly_names ??? no???? no?

?? Cluster Server Pool?[?? FCP ?? Clustered Server Pool](#)?

?? Virtual Machine Network

NOTE???? OVS ?????? ethernet port????? management port??? port ????? VMs ???

???OVS ?????????????? eth0 ?? management port?? eth1 ?????????? Virtual Machine Network ????? VM ???

OVMM > Networking > Networks > Create New Network > Select a Network Configuration > Create a Network with Ports/Bond Ports/VLAN Interface

- Name: VM_LAN_10-23-0-X
- Network Uses: ?? Virtual Machine

Select Ports > ??+ ??? port >
 ?? Server Pool > ?? OVS ?? > ?? ???? > OK > Next > ??

TIP:

???????????????? Cluster ????????????????? vm ???????????

?? Storage Repositories

Storage Repository ???? VM ? Virtual Disk????????? ISO ??VM templates ??

OVMM > Repositories > Create a Repository

- Repository Name: NA_8020_FAS-ODD-DB (?: ODD-DB ? NetApp ?? LUN ??)
- Repository Location: Physical Disk
 - ? Server Pool: <?? Server Pool>
 - ? Physical Disk: ????????? Unmanaged FibreChannel Storage Array????? LUN Disk????????????? ???? OK?
- Present to Servers: ?????? repository ? OVS ??
 NOTE: ???? Cluster ??????

?? OVM Template/Virtual Appliance

NOTE:

OVM 3.4+ ????? *.ova ??? vm template???????????????? VM?

OVM ?????????? VM?

- Virtual Appliance: ??? *.ova???? OVF (Open Virtualization Format)??? template?
 NOTE: OVM 3.3 ???? Assembly
- OVM template: ??? *.tgz???? template ???
- ISO file: ?????????

1. ????? VM Templates
<http://edelivery.oracle.com/oraclevm>
 NOTE: ?????? Template????? .tgz ? .ova(OVF)?
2. ???? HTTP ? FTP server
3. ? VM Template ?(*.ova, *.tgz)??? HTTP/FTP ??
4. OVMM > Repositories > ?????? Storage Repositories > VM Template > Import VM template
 - ? Server????? OVS
 - ? VM Template URLs?<?? VM Template ???? URL ??, *.tgz?:??? *.ova ?>
 ?? ftp://192.168.21.203/OVM/ovm_templates/OVM_OL5U7_X86_64_PVM_10GB.tgz

TIPS?

- ?? Template ? *.ova ????? Assemblies ?????????? Assemblies ?? VM Template?? Assemblies > ?????
 ?? *.ova > Create VM Template (??? ??

- ????? Storage Repositories???? VM template ?????????? Storage Repository???? Repository ???????
 templates?

?? Virtual Machine (guest OS)

? OVM ?? guest OS ??????????

1. ? VM Template ??
 ????? VM Template ????? Storage Repository?
 NOTE??? *Template ?????????????????? Template ?????*
2. ? Assembly (OVF) ??
 ????? Assembly ????? Storage Repository ?????????? VM Template?
3. ? ISO ???
 ????? ISO ? ????? Storage Repository?

? VM Template ??

OVMM > Server and VMs > ?? Server Pool > Create Virtual Machine (?????+??)

- Clone from an existing VM Template
- Clone Count?1
- Repository?<?? Storage Repository>
- VM Template?<?? VM Template>
- VM Name?<??>
- Server Pool?<?? Server Pool>

?? Virtual Network

OVMM > Server and VMs > Server Pool > ?????????? Pool > ?? OVS > ?????????? VM > Edit

- Networks > Network <????? Network>

NOTE:

???? Oracle Linux Template?VM ?????????????? root ??????? IP?