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Oracle VM 3.0 for x86 Essentials

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QUESTION 1

What does tools are available from Oracle that best describe virtual machine performance of a virtual machine?

- A. xm list
- B. oswatcher installed in the guests
- C. top
- D. xm top
- E. cat /proc/cpuinfo

Correct Answer: D

QUESTION 2

There is an issue booting into a virtual machine. The log files show that there is an issue during the Linux boot process of the guest. What two methods will best help determine the problem?

- A. Use xm console to attach to the guest while it is booting and look for the specific error.
- B. Run xm dmesg to see hardware errors in the guest.
- C. Run xm info to see the list of devices being attached to the virtual machine.
- D. xm block-attach the disk to another virtual machine to inspect the file system and check module loading issues.

Correct Answer: AB

QUESTION 3

After installing the PV drivers into a Windows guest, the networking fails on reboot. What is likely wrong?

- A. The network type has not been changed from Paravirtualized to Fully Virtualized (the ioemu driver is not specified in the vm.cfg).
- B. After install the PV drivers, the MAC address of the network interfaces must be changed in vm.cfg.
- C. After installing the PV drivers, the bridge setting in vm.cfg is lost and must be reset.
- D. The network type has not been changed from Fully Virtualized to Paravirtualized (the netfront driver is not specified in vm.cfg).

Correct Answer: D



Oracle® VM Windows Paravirtual Drivers Installation Guide Release 2.0 for Microsoft Windows E15298-02 May 2010

6.4 Network Devices May Fail

If you install the Windows PV drivers into a guest with the vif type set to ioemu in the guest configuration file (vm.cfg), the network device(s) may fail. The Windows Device Manager displays an error code 10 and an exclamation point (!) to show the network driver cannot be started.

This is caused by the network type being set incorrectly in the guest configuration file.

The network card type can be set three ways:

type=ioemu: Network card is available in QEMU mode only. type=netfront: Network card is available in paravirtualized mode. No type entry: Network card is available in both QEMU and paravirtualized modes.

Workaround:

The issue is only applicable to Oracle VM Server 2.1.5 and does not apply to Oracle VM Server 2.2 or later.

If this issue occurs, change the network type from ioemu to netfront in the guest configuration file.

Alternatively, delete the network type entry. You can make this change using Oracle VM Manager, or manually. To change the configuration manually:

Shut down the guest.

1.

Edit the guest configuration file (vm.cfg) and change the type=ioemu entry to 2.

type=netfront, or delete the entry.

Restart the guest.

3.

The network driver is started.

QUESTION 4

Which disk protocol is the default disk type for disks in a paravirtualized guest?

- A. HD (IDE)
- B. SD (SCSI)
- C. XVD
- D. RAW



Correct Answer: A

QUESTION 5

What two benefits can be derived from having multiple utility servers?

- A. A second utility server can provide a backup in case the main utility server dies.
- B. Only one utility server is allowed per server pool.
- C. A second utility server can be configured to switch to a Server Pool Master role if no more ServerPool Masters are available.
- D. A second utility server can help load balance high I/O loads.
- E. A second utility server is only needed if HA is turned on. In that case, it can provide a backup in case the main utility server dies

Correct Answer: CD

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