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Oracle Exadata Database Machine X9M Implementation Essentials

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QUESTION 1

Which two sections of the AWR report shows statistics for X9M Persistent Memory Cache?

- A. PMEM Pool cache Read Hits in the Cache Sizes portion of the Report Summary
- B. PMEM Pool Misses in the Exadata Outlier Summary
- C. cell PMEM cache Read Hits in the Database IOs portion of the Performance Summary
- D. PMEM Cache section within Memory Statistics
- E. PMEM Cache section within Exadata Smart Statistics

Correct Answer: CE

Option C shows the number of read hits from PMEM cache on storage servers which indicates how much data was served from PMEM instead of flash or disk1. Option E shows detailed information about PMEM cache such as size, utilization, hit ratio, read latency and write latency2.

QUESTION 2

You are adding a disk expansion kit to a running Exadata X8M Database Machine\\'s Database Servers, and have a filesystem layout that includes:

```
Filesystem Mounted on
/dev/mapper/VGExaDb-LVDbSys1 /
/dev/mapper/VGExaDb-LVDbVar1 /var
/dev/mapper/VGExaDb-LVDbHome /home
/dev/mapper/VGExaDb-LVDbTmp /tmp
/dev/mapper/VGExaDb-LVDbVarLog /var/log
/dev/mapper/VGExaDb-LVDbOra1 /u01
/dev/mapper/VGExaDb-LVDbVarLogAudit /var/log/audit
```

After running the following commands, which command needs to be run to add 20G of space to the filesystem mounted on /u01?

```
# parted -s /dev/sda mkpart primary 240132160s 8189439966s
# parted -s /dev/sda set 3 lvm on
# lvm pvcreate --force /dev/sda3
# lvm vgextend VGExaDb /dev/sda3
```

A. # Ivextend -L +20G --verbose /dev/mapper/VGExaDb-LVDbOral

- B. # xfs_growfs /uOI +20G
- C. # resize2fs +20G /dev/VGExaDb/LVDbOral

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D. # Ivextend -L +20G --verbose /dev/VGExaDb/LVDbOral

Correct Answer: A

Explanation: After running the commands above, the filesystem mounted on /u01 is on the logical volume /dev/mapper/VGExaDb-LVDbOral. So, to add 20G of space to the filesystem mounted on /u01, the command that needs to be run is: Ivextend -L +20G --verbose /dev/mapper/VGExaDb-LVDbOralThis command will extend the logical volume /dev/mapper/VGExaDb-LVDbOral by 20 GB of space. It is important to note that the option --verbose is used to display the progress of the operation.

QUESTION 3

Which two statements are true in regards to starting the Exadata Virtual Machine?

- A. To see Oracle Linux boot messages during guest startup, use --console option with the vm_maker --start-domain command.
- B. Use vm_maker --start-domain to start a virtual machine manually.
- C. Use vm_maker boot-from-iso command to boot a virtual machine.
- D. To streamline the diagnosis of virtual machines, one ISO file is used for multiple Oracle Exadata System Software releases.
- E. Use vm_maker --auto-start command to configure a virtual machine to start automatically when the KVM host is started.

Correct Answer: BE

Explanation: Statement B is true as the vm_maker --start-domain command can be used to start a virtual machine manually, as stated in the Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book (page 65). Statement E is also true as the vm_maker --auto-start command can be used to configure a virtual machine to start automatically when the KVM host is started [1][2], as stated in the Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book (page 66).

QUESTION 4

You have been asked by Oracle Support to check the firmware of the hard and flash disks in a storage server. Which cellcli command should you use to get this information?

- A. list celldisk attributes name, deviceName, diskType, physicalFirmware
- B. list cell attributes name, deviceName, diskType, physicalFirmware
- C. list physicaldisk attributes name, deviceName, diskType, physicalFirmware
- D. list devices attributes name, deviceName, diskType, physicalFirmware

Correct Answer: C

Explanation: This command will display the name, deviceName, diskType and physicalFirmware attributes of the physicaldisks in a storage server, as explained in the Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book (page 85). https://docs.oracle.com/en/engineered-systems/exadata-database-



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machine/sagug/exadata-storage-server-cellcli.html

QUESTION 5
Examine these commands:
1.
Execute "crscti stop cluster -all" as the grid user from one database server.
2.
Execute "crscti stop cluster -all" as root from one database server.
3.
Power off all network switches.
4.
Execute "crscti stop cluster" as root from one database server.
5.
Execute "crscti stop cluster" as the grid user from one database server.
6.
Power off the rack using the power switches on the PDUs.
7.
Execute "shutdown -h now" on all database servers.
8.
Execute "shutdown -h now" on all Exadata storage servers.
Which is the correct order or the required commands to completely power off an Exadata Database Machine in an orderly fashion?
A. 5, 8, 7, and 6
B. 4, 7, 8, 3, and 6
C. 2, 8, 7, 3, and 6
D. 2, 7, 8, and 6
E. 1, 8, 7, 3 and 6
Correct Answer: C



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