

# **100%** Money Back **Guarantee**

**Vendor:** HP

**Exam Code:** HP0-090

**Exam Name:** HP-UX Virtual Server Environment

**Version:** Demo

**Topic 1, A**

A

**QUESTION NO: 1**

Which virtualization feature is unique to HP Integrity Servers with VSE versus IBM pSeries servers?

- A. resource partitioning within a single OS image
- B. sub-processor partitions executing separate OS images
- C. single processor partitions executing separate OS images
- D. electrically isolated partitions executing separate OS images

**Answer: D****QUESTION NO: 2**

A customer running an Internet store closes their books every night and therefore has an end-of-day processing requirement for extra processor power for one hour.

Which virtualization solution can automatically provide one extra processor for one hour and is available uniquely from HP (versus IBM or SUN UNIX solutions)?

- A. Workload Manager to activate iCAP processors
- B. PRM to dynamically increase pSet size for one hour
- C. Global Workload Manager to activate TiCAP processors for one hour
- D. Partition Manager to shift one processor into the needed partition for one hour

**Answer: C****QUESTION NO: 3**

Which virtualization feature is unique to HP Integrity Servers with VSE versus SUN Solaris servers?

- A. resource partitioning within a single OS image
- B. secure resource access within a single OS image
- C. temporarily activating processors within a single OS image
- D. electrically isolated partitions executing separate OS images

**Answer: C****QUESTION NO: 4**

Your company has an installed base of servers with an average utilization of 10% and an average peak utilization of 40%. What is the best solution to implement to improve server utilization and reduce costs?

- A. high availability - increasing the number of redundant servers
- B. patching - updating every operating system instance to the latest revision
- C. server upgrades - replacing old servers with newer, more powerful servers
- D. consolidation - stacking multiple applications and/or operating systems on fewer servers

**Answer: D**

**QUESTION NO: 5**

What is the HP definition of virtualization?

- A. the process of abstracting applications and operating systems from physical resources
- B. an approach to IT that pools and shares resources so utilization is optimized and supply automatically meets demand
- C. an approach that allows you to run multiple operating systems at the same time on the same server without rebooting or repartitioning your disk
- D. the process of presenting a logical grouping or subset of computing resources so that they can be accessed in ways that are different than the physical configuration

**Answer: B**

**QUESTION NO: 6**

What are the intelligent control products in the HP Virtual Server Environment? (Select four.)

- A. HP VirtualCenter
- B. HP Virtualization Engine
- C. HP Server Migration Pack
- D. HP Integrity Essentials iLO
- E. HP Systems Insight Manager
- F. HP Integrity Essentials VMotion
- G. HP Virtual Machine Management Pack
- H. HP Integrity Essentials Capacity Advisor
- I. HP Integrity Essentials Virtualization Manager
- J. HP Integrity Essentials Global Workload Manager

**Answer: E,H,I,J**

**QUESTION NO: 7**

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In which server infrastructure can you deploy the HP Virtual Server Environment?

- A. HP ProLiant servers
- B. HP NonStop servers
- C. Unix servers from all vendors
- D. HP Integrity and HP 9000 servers

**Answer: D**

#### **QUESTION NO: 8**

Which high availability components are part of the HP Virtual Server Environment? (Select four.)

- A. HP Sysplex
- B. HP Hyperplex
- C. HP Metrocluster
- D. HP Serviceguard
- E. HP Continentalclusters
- F. HP Veritas Cluster Server
- G. HP Serviceguard Storage Management Suite

**Answer: C,D,E,G**

#### **QUESTION NO: 9**

HP provides HP Virtual Server Environment Reference Architectures for several key applications; including Oracle Database, SAP, BEA WebLogic, WebSphere, SAS, and others. In which way does the HP Virtual Server Environment Reference Architectures allow you to deploy virtualized environments more quickly?

- A. They are turnkey, out of the box virtualization solutions.
- B. They are documented, pre-tested, customizable configurations.
- C. They include consulting services from HP Consulting and Integration.
- D. They include all the product numbers for ordering complete solutions from HP.

**Answer: B**

#### **QUESTION NO: 10**

A customer has several large mission critical workloads, each having different OS tuneables and application patch levels. They want to implement a midrange Integrity server solution and use partitioning to provide the highest levels of isolation. Which VSE approach is best?

- A. nPartitions

- B. Virtual Partitions
- C. Integrity Virtual Machines
- D. Process Resource Manager

**Answer: A**

**QUESTION NO: 11**

What is required for users on one virtual partition to be able to access files or file systems on other partitions? (Select two.)

- A. A multi-threaded application is able to share L2 cache.
- B. The vPar is running HP-UX 11i in shared partition mode.
- C. File systems are NFS-mounted using common network.
- D. Cluster-aware volume groups are used within Serviceguard.
- E. The System Admin (root) chmod 777 is issued from console.

**Answer: C,D**

**QUESTION NO: 12**

What are benefits of the HP VSE Suite bundle (T2786AC)? (Select two.)

- A. runs on any HP server platform
- B. single Software Distributor (SD) bundle install
- C. included with the Mission Critical Operating Environment
- D. ability to choose between vPars and HP Integrity Virtual Machines licenses
- E. ability to choose between Instant Capacity and Temporary Instant Capacity licenses
- F. ability to choose between HP-UX Workload Manager and HP Integrity Essentials Global Workload Manager licenses

**Answer: D,F**

**QUESTION NO: 13**

HP Serviceguard Manager can manage nodes that run which operating systems? (Select two.)

- A. Linux
- B. HP-UX v11i
- C. HP-UX 10.20
- D. OpenVMS v7.x
- E. Window 2003 Advanced Server
- F. Windows 2003 Exchange Server

**Answer: A,B**

**QUESTION NO: 14**

Due to increasing growth, a customer anticipates they will need to purchase twice their current processor capacity over the next year. Which HP Utility Pricing technology provides reserve capacity for their HP Integrity Server?

- A. PPU
- B.iCAP
- C.pSets
- D.TiCAP

**Answer: B**

**QUESTION NO: 15**

What is the maximum number of virtual CPUs that can run on a single physical CPU core with HP Integrity Virtual Machines.

- A. 5
- B. 10
- C. 20
- D. 40

**Answer: C**

**QUESTION NO: 16 DRAG DROP**

Click the Task button.

Using drag and drop, match each partitioning product with the correct I/O resource granularity.

Drag and Drop

Match each partitioning technology with the correct I/O granularity.

**I/O Granularity**

I/O slots	(place here)
I/O resources shared within an OS instance	(place here)
I/O cage	(place here)
I/O shared between OS instances	(place here)

**Partitioning Technologies**

nPars	vPars
HP Integrity Virtual Machines	Secure Resource Partitions

Done

**Answer:**

Drag and Drop

**Match each partitioning technology with the correct I/O granularity.**

**I/O Granularity**

I/O slots	vPars
I/O resources shared within an OS instance	Secure Resource Partitions
I/O cage	nPars
I/O shared between OS instances	HP Integrity Virtual Machines

**Partitioning Technologies**

nPars	vPars
HP Integrity Virtual Machines	Secure Resource Partitions

Done

**QUESTION NO: 17**

A customer has an environment with primarily one and two processor servers. These servers have low utilization levels, even at peak demand. The servers run a lot of separate test and development operating system instances.

The customer is upgrading their servers and wants to take advantage of the HP Virtual Server Environment technologies. Based on the product granularity and isolation, which partitioning product is the best fit for this customer's new server environment?

- A. nPartitions
- B. Virtual Partitions
- C. Secure Resource Partitions
- D. HP Integrity Virtual Machines

**Answer: D**

**QUESTION NO: 18 DRAG DROP**

Click the Task button.

Using drag and drop, match each partitioning product with its isolation level. There is more than one correct answer.

**Drag and Drop**

**Match each partitioning product with its level of isolation.**

**Isolation Levels**

Operating System Isolation	(place here)
Operating System Isolation	(place here)
Electrical Hardware Isolation	(place here)
Application Isolation	(place here)

**Partitioning Products**

Secure Resource Partitions	vPars
HP Integrity Virtual Machines	nPars

Done

**Answer:**

**Drag and Drop**

**Match each partitioning product with its level of isolation.**

**Isolation Levels**

Operating System Isolation	vPars
Operating System Isolation	HP Integrity Virtual Machines
Electrical Hardware Isolation	nPars
Application Isolation	Secure Resource Partitions

**Partitioning Products**

Secure Resource Partitions	vPars
HP Integrity Virtual Machines	nPars

Done

**QUESTION NO: 19**

A university implements an Integrity server solution with VSE. Three departments have combined their money to purchase this server and have configured three vPars; one for each department. There are Instant Capacity processors in the system. Which approach ensures each department receives their fair share of the server, yet also allows other departments use of unused CPU cycles?

- A. PRM with fair share scheduler groups
- B. gWLM with fair share scheduler groups
- C. WLM with a processor set for each vPar
- D. gWLM with Own Borrow policies on each vPar

**Answer: D**

**QUESTION NO: 20**

A customer has several small mission critical Oracle databases where each requires one to two processors. In development, it is noted that the database instances stack together without interactions.

They want to implement an rx4640 Integrity server solution that provides the ability to dynamically shift processor and memory resources between the database instances.

Which VSE approach meets these requirements and minimizes OS maintenance?

- A. nPartitions
- B. Virtual Partitions
- C. Integrity Virtual Machines
- D. Process Resource Manager

**Answer: D**

**QUESTION NO: 21**

You have installed, configured, and booted up in a Virtual Partition environment and thus have several vPars up and running. However, you have found that the bootup times for the vPars compared to an nPar bootup is significantly longer. What is the most likely cause and fix?

- A. The memory granularity is set low; the vPar Database must be recreated.
- B. The memory granularity is set high; the vPar Database must be recreated.
- C. The memory granularity is set low; use vparmodify to change the setting.
- D. The memory granularity is set high; use vparmodify to change the setting.

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**Answer: A**

**QUESTION NO: 22**

An administrator attempts to run an HP Systems Insight Manager command line tool on the system jacquot.fc.hp.com. The following error message is returned:

Ssh Operation failed for node: jacquot.fc.hp.com. SshAuthentication Failed.

How can this problem be resolved?

- A.** Use the HP Systems Insight Manager Configure or Repair Agents task to configure SSH authentication.
- B.** Use the HP Systems Insight Manager mxuser command to set the SSH username and password for the system.
- C.** Use the HP Systems Insight Manager Global Protocol Settings screen to configure the SSH username and password.
- D.** Use the HP Systems Insight Manager System Protocol Settings screen to copy the SSH public key to the managed system.

**Answer: A**

**QUESTION NO: 23**

A user named johnny has been managing three systems for several months with Virtualization Manager. However, one of the three systems disappeared from Virtualization Manager, yet the system is still shown in HP Systems Insight Manager. What could cause this?

- A.** The system's trial license has expired.
- B.** The system was deleted from HP Systems Insight Manager.
- C.** The system was removed from the VSE Management Suite system list.
- D.** Authorizations for the missing system were removed for the user johnny.

**Answer: A**

**QUESTION NO: 24**

A customer has a mission critical application which requires 16 CPUs and is running in a two cell nPar. Other configuration information includes: single I/O chassis, mirrored root disks, 1000baseT NICs with APA, multiple FC HBAs with PVlinks redundancy. What is the first step to take to increase single nPar availability?

- A.** add redundant power supplies for the nPar

- B. add redundant fans and blowers for the nPar
- C. add Serviceguard clustering of the application
- D. add redundant power supplies for the I/O chassis
- E. add an additional I/O chassis and mirror across the chassis

**Answer: E**

**QUESTION NO: 25**

Click the Exhibit button.

Networking inside a virtual machine does not appear to be responding. Based on the exhibits, what is the most likely cause?

```
# hpxmstatus -P vmhpux3
[Virtual Machine Details]
Virtual Machine Name VM # OS Type State
=====
vmhpux3                100 HPUX    On

[Authorized Administrators]
Oper Groups:
Admin Groups:
Oper Users:
Admin Users:

[Virtual CPU Details]
Number Entitle
vCPUs  Type    Entitlement Maximum
=====
      2 percent      10.0% 100.0%

[Memory Details]
Total      Reserved
Memory     Memory
=====
      4 GB      64 MB

[Storage Interface Details]
Guest
Physical
Device Adaptor Bus Dev Ftn Tgt Lun
Storage Device
=====
disk   scsi      0 1 0 0 0 lv
/dev/vx/rdisk/vxHPVM/vxdisk1
disk   scsi      0 1 0 1 0 lv
/dev/vx/rdisk/vxHPVM/vxdisk2

[Network Interface Details]
Interface Adaptor Name/Num Bus Dev Ftn
Mac Address
=====
vswitch lan      vswC      0 0 0
26-82-8b-14-0b-97

[Misc Interface Details]
Guest
Physical
Device Adaptor Bus Dev Ftn Tgt Lun
Storage Device
=====
serial com1                                tty
console
#
```

```
# hpxmnet
Name      Number State  Mode    PPA    MAC
Address   IP Address
=====
localnet  1 Up    Shared  N/A
N/A
vswA      3 Up    Shared  lan0
0x00110a319869 14.99.87.15
vswB      5 Up    Shared  lan1
0x00110a3177c6 14.99.88.14
vswC      8 Down  Shared  N/A
N/A
#
```

- A. There is no virtual NIC defined for the VM.
- B. The virtual NIC has the wrong (virtual) MAC address.
- C. The virtual NIC is defined using the wrong bus and device numbers.
- D. The virtual switch that corresponds to the VM's virtual NIC does not exist.

E. The virtual switch that corresponds to the VM's virtual NIC is not powered on.

F. The virtual switch that corresponds to the VM's virtual NIC does not have a LAN number associated with it.

**Answer: E**

**QUESTION NO: 26**

Click the Exhibit button.

A VM Host with 8 GB physical memory and two processors has one VM already running (vmhpux0). A second VM configured with one virtual processor and 4 GB of memory fails to start (see exhibits).

What is the most likely cause?

```
# hpvmsstart -P vmhpux2
HPVM guest vmhpux2 configuration problems:
Warning 1: Insufficient free memory for
guest.
These problems may prevent HPVM guest vmhpux2
from booting.
hpvmstart: Unable to continue.
#

# hpvmsstatus -P vmhpux2
[Virtual Machine Details]
Virtual Machine Name VM # OS Type State
=====
vmhpux2          13 HPUX Off

[Authorized Administrators]
Oper Groups:
Admin Groups:
Oper Users:
Admin Users:

[Virtual CPU Details]
Number Entitle
vCPUs Type Entitlement Maximum
=====
2 percent 10.0% 100.0%

[Memory Details]
Total Reserved
Memory Memory
=====
4 GB 64 MB

[Storage Interface Details]
Guest
Physical
Device Adaptor Bus Dev Ftn Tgt Lun
Storage Device
=====
disk scsi 0 1 0 0 0 lv
/dev/vx/rdsk/vxHPVMStorage/vxdisk1
disk scsi 0 1 0 1 0 lv
/dev/vx/rdsk/vxHPVMStorage/vxdisk2
disk scsi 0 1 0 2 0 lv
/dev/vgtemp/rvmdisk1

[Network Interface Details]
Interface Adaptor Name/Num Bus Dev Ftn
Mac Address
=====
vmswitch lan vswA 0 0 0
fe-be-8d-b6-e9-d2

[Misc Interface Details]
Guest
Physical
Device Adaptor Bus Dev Ftn Tgt Lun
Storage Device
=====
serial com1 tty
console
#

# hpvmsstatus
[Virtual Machines]
Virtual Machine Name VM # OS Type State
#vCPUs #Devs #Nets Memory Runsysid
=====
vmsmin1 1 2 99 WINDOWS Off
1 2 1 512 MB 0
vmhpux0 2 3 9 HPUX On (OS)
2 3 1 3500 MB 0
vmhpux1 2 2 3 1 HPUX Off
2 2 3 1 GB 0
vmhpux2 2 3 13 HPUX Off
2 3 1 4 GB 0
vmsmin2 1 1 5 WINDOWS off
1 1 1 512 MB 0
vmlxrh2 1 2 6 LINUX Off
1 2 1 512 MB 0
#
```

**Output from VM Host system:**

```
# vmstat -n
VM
memory page
faults
avm free re at pi po fr
de sr in sy cs
0 5 547 17509 137
CPU
cpu proc
us sy id r b w
1 1 98 3 0 0
0 5 95
# model
ia64 hp server rx2600
# swapinfo
Kb Kb Kb PCT START/
TYPE AVAIL USED FREE USED LIMIT
RESERVE PRI NAME
dev 4194304 0 4194304 0% 0
- 1 /dev/vg00/lvo12
dev 19955712 0 19955712 0%
0 - 2 /dev/vgc260d0/swap
reserve - 4019524 -4019524
```

- A. insufficient swap space on the VM Host
- B. insufficient physical memory on the VM Host
- C. insufficient free CPU resource allocation/entitlement
- D. insufficient swap space configured on the VM Guest

**Answer: B**

**QUESTION NO: 27**

A customer has a Virtual Partition that is being managed by Global Workload Manager (gWLM). It was working fine, but after the system rebooted, gWLM was no longer managing the system's resource. What could cause this?

- A. The gwlm command wasn't added to /etc/profile.
- B. The gWLM agent was not installed on the system.
- C. The file /etc/rc.config.d/gwlmCtl was not modified to start the gWLM Agent at boot time.
- D. The gWLM agent was not added to /etc/inittab so it is started at run level 2 as recommended by HP.

**Answer: C**

**QUESTION NO: 28**

The nPartition 1 on a server complex is not responding and appears to be hung. What should you do to reset the nPar?

- A. Go to the server cabinet and push the TOC button for nPar 1.
- B. Go to the server cabinet and push the reset button on the Management Processor.
- C. Login to the complex's management processor, go to the command menu, and type RS.
- D. Login to the complex's management processor, go to the configuration menu, and type BO.
- E. Login to a running nPar's OS on the same complex and type the command parreset -p 1 -r -f.

**Answer: C**

**QUESTION NO: 29**

A Virtual Partition is being added to the HP Systems Insight Manager and the VSE Management Suite management domain. After discovering the system with HP Systems Insight Manager, the system is displayed as a standalone server in Virtualization Manager. What could cause this? (Select two.)

- A. The SNMP read community name is not valid for the system.
- B. The system does not have the SNMP Virtual Partition agent running.
- C. The system does not have the WBEM Virtual Partition provider installed and running.
- D. The WBEM credentials HP Systems Insight Manager has are not valid for the system.
- E. The SSH authentication has not been configured between the central management server and the system.

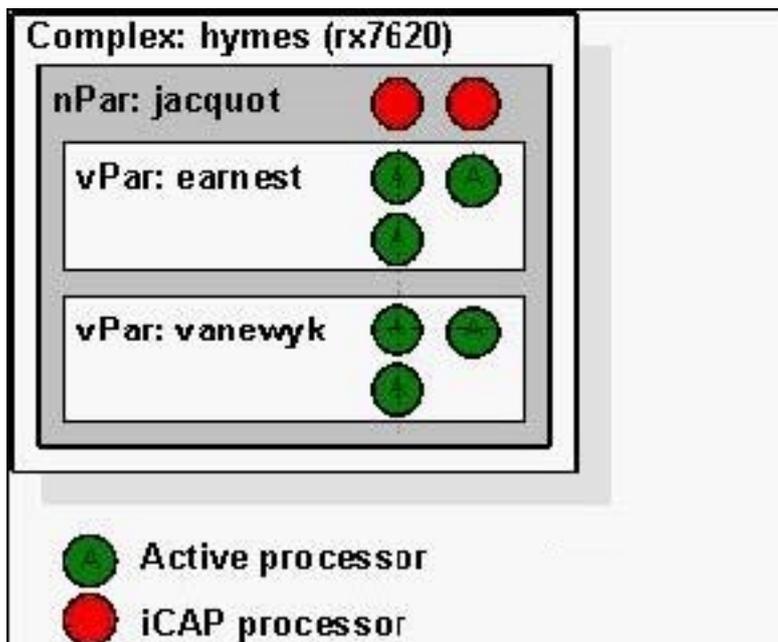
**Answer: C,D**

**QUESTION NO: 30**

Click the Exhibit button.

Global Workload Manager (gWLM) is configured to manage processor resources between the earnest and vanewyk Virtual Partitions. As load varies between the vPars, processors are properly migrated between the two vPars. However, the two iCAP processors are not assigned to either vPar and are not being activated by gWLM.

What could cause this? (Select two.)



- A. The static vPar attribute is set to static.
- B. The iCAP processors are configured as bound processors.
- C. The gWLM default CPU Utilization policy needs to be changed to allow more than 3 processors per vPar.
- D. The shared resource domain is not configured to activate Temporary Instant Capacity processors.
- E. The two iCAP processors that will be shared between the vPars must be assigned to one of the two vPars before creating the shared resource domain.

**Answer: D,E**

**QUESTION NO: 31**

There are multiple methods for configuring WBEM authentication credentials for managed systems in HP Systems Insight Manager. Select any two of these methods from the options below. (Select two.)

- A. mxinitconfig command
- B. vseinitconfig command
- C. mxagentconfig command
- D. mxnodesecurity command
- E. First Time Wizard user interface
- F. Options -> Protocol Settings -> Discovery user interface
- G. Options -> Protocol Settings -> Global Protocol Settings user interface
- H. Options -> Protocol Settings -> System Protocol Settings user interface

**Answer: A,B,C,D,E,F,G,H**

### QUESTION NO: 32

Which is a component of an Integrity Virtual Machine?

- A. virtual switch
- B. virtual partition
- C. virtual machine monitor
- D. virtual network interface card (NIC)

**Answer: D**

### QUESTION NO: 33

Click the Exhibit button.

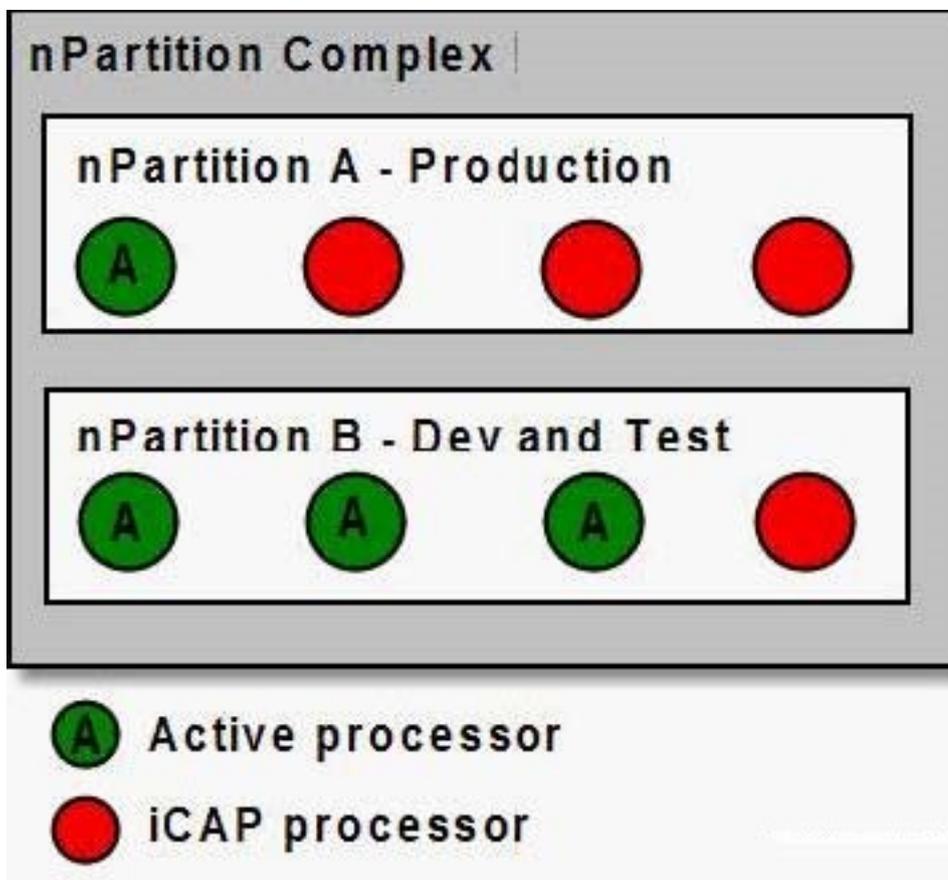
An administrator enters the below command on the Production nPartition. The codeword is a Right to Use codeword for 2 processors.

```
# icod_modify -C \  
> dvpRPvw.J39RyBh.TxCBzam.qxRe48q-7Hkd0qH.GpWgCR0.1x83D1n.u5a3jX3
```

An administrator then enters the following command on the Dev and Test nPartition:

```
# icod_modify -a 1
```

What is the result of the second command?



- A. One additional processor is activated in the Production nPartition.
- B. An error is returned because the codeword was for two processors.
- C. One additional processor is activated in the Dev and Test nPartition.
- D. An error is returned because the codeword was applied to the Production nPartition.

**Answer: C**

**QUESTION NO: 34**

Which command deletes a cell from an nPartition?

- A. rmccll
- B. parmodyfy
- C. nparupdate
- D. cmplxmodify

**Answer: B**

**QUESTION NO: 35 DRAG DROP**

Click the Task button.

Using drag and drop, arrange the steps in the correct boot sequence for booting the first Virtual

Partition (vPar).

Drag and Drop

Place the items in the correct boot sequence.

Task:

Ordering	Steps in Order	Steps
1	Step 1	/stand/vpmon is Loaded
2	Step 2	/stand/vmunix is Loaded
3	Step 3	Firmware Loads and Launches ISL or EFI
4	Step 4	The hpux or hpux.efi Loader is Started

Done

Answer:

Drag and Drop

Place the items in the correct boot sequence.

Task:

Ordering	Steps in Order	Steps
1	Firmware Loads and Launches ISL or EFI	/stand/vpmon is Loaded
2	The hpux or hpux.efi Loader is Started	/stand/vmunix is Loaded
3	/stand/vpmon is Loaded	Firmware Loads and Launches ISL or EFI
4	/stand/vmunix is Loaded	The hpux or hpux.efi Loader is Started

Done

### QUESTION NO: 36

HP Integrity Virtual Machines can run in which items? (Select two.)

- A. vPars
- B. nPars
- C. Standalone Itanium Servers
- D. Secure Resource Partitions

Answer: B,C

**QUESTION NO: 37**

How can a single user be prevented from viewing or changing a system in the VSE Management Suite and the HP Systems Insight Manager management domain?

- A. Add the system to the HP System Insight Manager discovery exclusion list.
- B. Add an authorization for the user with the system and the Monitor Tools toolbox.
- C. Create a private custom collection for the user which does not include the system.
- D. Update the authorizations for the user so the system is not contained in any of the authorizations.

**Answer: D**

**QUESTION NO: 38**

Which command displays whether a server is currently consuming Temporary Instant Capacity?

- A. top
- B. icod\_stat
- C. icap\_stat
- D. ticod\_stat

**Answer: B**

**QUESTION NO: 39 DRAG DROP**

Click the task button.

Using drag and drop, arrange the steps in the correct boot sequence for an nPartition.

Drag and Drop

Put the remaining nPar boot sequence steps in the correct order.

	Steps in Sequence	Steps
1	Cells are powered on	MP releases Boot is Blocked for all cells
2	[place step here]	Cells perform self tests and discovery
3	Cell reports configuration data to MP	MP passes relevant complex profile data to cell
4	[place step here]	Load EFI for IPF or BCH for PA-RISC
5	[place step here]	Cells negotiate core cell
6	Cells rendezvous	
7	[place step here]	
8	[place step here]	Done

**Answer:**

Drag and Drop

Put the remaining nPar boot sequence steps in the correct order.

Steps in Sequence	Steps
1 Cells are powered on	MP releases Boot is Blocked for all cells
2 MP passes relevant complex profile data to cell	Cells perform self tests and discovery
3 Cell reports configuration data to MP	MP passes relevant complex profile data to cell
4 MP releases Boot is Blocked for all cells	Load EFI for IPF or BCH for PA-RISC
5 Cells negotiate core cell	Cells negotiate core cell
6 Cells rendezvous	
7 Cells perform self tests and discovery	
8 Load EFI for IPF or BCH for PA-RISC	

Done

**QUESTION NO: 40**

A customer has an Integrity server with four cores with Integrity Virtual Machines installed. A virtual machine configured with two virtual processors and an entitlement of 25% is running on the server. What is the maximum CPU resource that can be utilized by the Virtual Machine?

- A. 0.5 CPU
- B. 1.0 CPU
- C. 2.0 CPUs
- D. 4.0 CPUs

**Answer: C**

**QUESTION NO: 41**

Which CPU rules are valid in a vPar environment? (Select two.)

- A. The virtual partition must be in the down state to set the min or max CPU value.
- B. The vPar Monitor will automatically reassign I/O interrupts to migrateable CPUs.
- C. The virtual partition can be either up or down when changing the number of CPUs (num).
- D. Due to the shared cache on dual-core CPUs, they can not be split between different vPars.
- E. Starting with A.04.xx, there are no Bound CPUs, so all CPUs assigned to a vPar can be migrated dynamically.

**Answer: A,C**

**QUESTION NO: 42**

Which resource or resources can be managed with Process Resource Manager?

- A. CPU only
- B. CPU and memory only
- C. CPU, memory, and disk bandwidth only
- D. CPU, memory, disk bandwidth, and network bandwidth

**Answer: C**

**QUESTION NO: 43**

A vPar called "vpartest" has already been created with memory, I/O, and CPUs. The vPar currently has a min of 1 CPU, and num of 3 CPUs, and a max of 8 CPUs. Which command would be used to have the vPar end up with a num of 5 CPUs?

- A. vparmodify -p vpartest -a cpu::5
- B. vparmodify -p vpartest -c cpu::5
- C. vparmodify -p vpartest -m cpu::5
- D. vparmodify -p vpartest -n cpu::5

**Answer: C**

**QUESTION NO: 44**

After installing HP Systems Insight Manager, which command do you use to configure the central management server?

- A. mxuser -a root
- B. hpsimconfig -a
- C. mxinitconfig -a
- D. hpsiminitconfig -a

**Answer: C**

**QUESTION NO: 45**

In a mission-critical configuration implemented with Serviceguard, applications that fail over add additional resource request. If that occurs, PRM can be used to do which thing?

- A. have the receiving kernel favor the "failover" processes
- B. stop all "normal" processes over their memory entitlements
- C. stop all "failover" processes over their memory entitlements
- D. have the receiving WLM recalculate the new workload distribution

**Answer: A**

**QUESTION NO: 46**

What tasks does the vseinitconfig command perform? (Select two.)

- A. initializes the Global Workload Manager database
- B. configures WBEM authentication for managed systems
- C. installs missing WBEM providers on managed systems
- D. configures the central management server on the managed systems
- E. registers the VSE Management Suite's tools with HP Systems Insight Manager
- F. copies the public SSH key from the central management server to managed systems

**Answer: A,E**

**QUESTION NO: 47**

Which HP Systems Insight Manager menu item gathers historical utilization data for Capacity Advisor?

- A. Configure -> Configure VSE Agents
- B. Options -> Capacity Advisor -> Data Collection
- C. Optimize -> Capacity Advisor -> Create Scenario
- D. Optimize -> Capacity Advisor -> Capacity Advisor Collect Data ALL

**Answer: D**

**QUESTION NO: 48**

What data source is required on managed systems for Virtualization Manager to provide utilization metrics in the graphical views?

- A. sar
- B. top
- C. GlancePlus
- D. WBEM Utilization Provider
- E. OpenView Performance Agent (OVPA)

**Answer: D**

**QUESTION NO: 49**

When creating workload definitions with Global Workload Manager, what criteria can be specified

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for describing the processes included in the workload? (Select two.)

- A. Users
- B. Nice value
- C. Executables
- D. Environment variables
- E. Current working directory
- F. Process Identifiers (pid's)

**Answer: A,C**

#### **QUESTION NO: 50**

Using Capacity Advisor's scenario editor, which tasks are possible? (Select two.)

- A. view the average disk I/O time for the systems
- B. view the average response time for the workloads
- C. view the average run queue length for the systems
- D. view the 90th percentile of a system's resource utilization
- E. create a historical data diagram from systems in the scenario
- F. create a simulated server and simulate the movement of workloads to the server

**Answer: D,F**

#### **QUESTION NO: 51**

When planning the vPar I/O resources, which specification rules apply? (Select two.)

- A. The same LBA can be assigned to multiple vPars.
- B. The I/O can be assigned by Driver Instance (ex. lan0).
- C. The non-boot I/O may be assigned at the SBA or LBA level.
- D. The I/O assigned to a "down" vPar can be used in other vPars.
- E. The full hardware paths must be specified for boot and alternate boot disks.

**Answer: C,E**

#### **QUESTION NO: 52**

Which component does Global Workload Manager require on each managed system?

- A. WBEM Utilization provider
- B. Global Workload Manager Agent
- C. WBEM Global Workload Manager provider
- D. Global Workload Manager SNMP Daemon

**Answer: B**

**QUESTION NO: 53**

With Global Workload Manager (gWLM), how many workloads can be associated with a single compartment?

- A. workloads may not be associated with compartments in gWLM
- B. 0 or more
- C. exactly 1
- D. 1 or more

**Answer: C**

**QUESTION NO: 54**

Where can Secure Resource Partitions (that use HP Process Resource Manager) run? (Select two.)

- A. Virtual Partitions
- B. Linux on Integrity
- C. HP Integrity Virtual Machines Host
- D. HP Integrity Virtual Machines Guest

**Answer: A,D**

**QUESTION NO: 55**

Where is the master copy of the Complex Profile kept?

- A. in the nPar Manager database.
- B. on each nPar's boot disk in the /stand directory
- C. on the HP Systems Insight Manager Central Management Server
- D. the Complex Management Processor's (MP or GSP) stable storage

**Answer: D**

**QUESTION NO: 56 DRAG DROP**

Click the Task button.

Using drag and drop, place the components required to create an authorization in HP Systems

Insight Manager. The order of the answers is not important.

Drag and Drop

Place the components necessary for creating an authorization.

place here + place here + place here = Authorization

User Workload Policy Toolbox

Action Systems Tool Protocol

Done

**Answer:**

Drag and Drop

Place the components necessary for creating an authorization.

User + Tool + Toolbox = Authorization

User Workload Policy Toolbox

Action Systems Tool Protocol

Done

### QUESTION NO: 57 DRAG DROP

Click the Task button.

A customer is using Global Workload Manager to manage Instant Capacity and Temporary Instant Capacity processor resources in two nPartitions in a complex. The Production nPartition has an Own Borrow policy.

For this scenario, use drag and drop to place the panels in the correct order that Global Workload Manager will activate and deactivate resources. The initial state of the system is shown in the task and the Production nPartition is starting a long running process that requires four processors. The load on the Dev and Test nPartition is subsiding at the same time.

Drag and Drop

Place the steps in the proper order.

Order	Steps in Order
1	[place step 1 here]
2	[place step 2 here]
3	[place step 3 here]

**Steps**

- Activate processors in the Production nPar
- Deactivate processors in Dev and Test nPar
- Activate Temporary Instant Capacity processors in the Production nPar

**System Configuration at beginning of scenario:**

nPartition Complex

nPartition A - Production

nPartition B - Dev and Test

● Active processor  
● iCAP processor

Done

**Answer:**

Drag and Drop

Place the steps in the proper order.

Order	Steps in Order
1	Deactivate processors in Dev and Test nPar
2	Activate processors in the Production nPar
3	Activate Temporary Instant Capacity processors in the Production nPar

**Steps**

- Activate processors in the Production nPar
- Deactivate processors in Dev and Test nPar
- Activate Temporary Instant Capacity processors in the Production nPar

**System Configuration at beginning of scenario:**

nPartition Complex

nPartition A - Production

nPartition B - Dev and Test

● Active processor  
● iCAP processor

Done

**QUESTION NO: 58 DRAG DROP**

Click the Task button.

Using drag and drop, order the steps required to install and initialize an HP Systems Insight Manager and VSE Management Suite central management server.

Drag and Drop

Specify the sequence of steps for installing and configuring an HP SIM and VSE Management central management server.

Steps in Sequence		Steps
1	(place step 1 here)	Install VSE Management
2	(place step 2 here)	Install HP Systems Insight Manager
3	(place step 3 here)	vseinitconfig -a
4	(place step 4 here)	mxinitconfig -a

Done

**Answer:**

Drag and Drop

Specify the sequence of steps for installing and configuring an HP SIM and VSE Management central management server.

Steps in Sequence		Steps
1	Install HP Systems Insight Manager	Install VSE Management
2	mxinitconfig -a	Install HP Systems Insight Manager
3	Install VSE Management	vseinitconfig -a
4	vseinitconfig -a	mxinitconfig -a

Done

**QUESTION NO: 59**

Suppose all VMs on an Integrity VM Host system are created such that their virtual hard disks are mapped to logical volumes or physical disks (not files). The VM Host is connected to a 120 GB physical disk that is partitioned into three logical volumes (using LVM or VxVM), of size 40 GB each. None of the logical volumes are being used by the VM Host for its storage. How many VMs, running HP-UX, can boot simultaneously from this single physical disk?

**A. 0**

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