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**C4040-251**

**Power Systems with POWER8 Scale-out Technical Sales Skills V1**



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**Exam A****QUESTION 1**

Which tape backup option is supported for migration from a POWER6 520 with a SCSI attached external LTO-3 tape drive to a POWER8 S814, and is read compatible with LTO-3?

- A. Migrate the SCSI adapter to the S814 and attach it to an existing LTO-3 tape drive.
- B. Add an SAS adapter and external LTO-5 tape drive.
- C. Add an internal LTO-4 tape drive in the CEC.
- D. Add an SAS adapter and external LTO-6 tape drive.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Answer is 100% valid.

**QUESTION 2**

Which feature is recommended to move memory resources from one LPAR to another?

- A. Dynamic LPAR operation
- B. Active Memory Sharing
- C. Active Memory Expansion
- D. Live Partition Mobility

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 3**

Which of the following statements is true regarding CAPI?

- A. CAP1 allows for adapters like FPGAs and GPUs to bypass the CPU and access the memory directly, allowing for faster data access and reduced CPU utilization
- B. CAPI enabled servers use general purpose accelerators that increase the processor clock without compromising stability and RAS.
- C. CAPI allows supported third party CPUs (Oracle, Intel, AMD, etc.) to be installed to speed up processing of specific workloads such as big data,

compression or Java.

D. CAPI is designed for High-Performance Computing only. Commercial workloads cannot benefit from CAPI acceleration

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 4**

A customer has a partitioned system running IBM i and Domino. The customer is considering a new system to replace the existing system and wants to add a WebSphere application and an AIX application.

Which of the following will assist in sizing the new system?

- A. Performance Management (PM) for Power Systems
- B. Workload Estimator (WLE)
- C. SnapShot
- D. System Planning Tool (SPT)

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



#### **QUESTION 5**

Customer recently installed a new six- core S824, with ( 18 ) SFF-3 bay storage HDD disk backplane completely filled . They want to include ( 4 ) SSD solid state drive, the data in order to improve the thermal performance. Customers want to avoid adding a EXP24S I / O drawer to place the SSD costs .

Which of the following to meet customer requirements in order to improve the performance of hot data ?

- A. plus an eight-slot 1.8-inch solid state drive cage backplane
- B. plus an SSD SAS bay PCIe Riser
- C. plus a PCIe RAID and SSD SAS adapter
- D. plus a USB SSD cage connection

**Correct Answer: A**

**Section: (none)**

**Explanation****Explanation/Reference:****QUESTION 6**

In what case , all I / O must be virtualized ?

- A. When an AIX 7 WPAR belong to a global environment .
- B. When an IBM i partition belong to dry another IBM i partition.
- C. When a logical partition when using a shared storage pool (SSP).
- D. When using PowerVM Enterprise Edition and Enterprise Edition with PowerHA .

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 7**

A company wants to integrate six existing AIX workloads onto a single logical partition six Power8 single server .

Which server options to meet the requirements?

- A. S822 is equipped with an HMC
- B. S822L with PowerVM
- C. S824 with PowerKVM
- D. S822 is equipped with PowerVM Express Edition

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 8**

Which components of PowerKVM provide I / O virtualization ?

- A. IPMI

- B. virsh
- C .QEMU
- C. Kimchi

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

#### QUESTION 9

The shared storage pool (SSP) was established in Cluster Aware AIX (CAA) Which of the following can provide the kind of high-value features ?

- A. client logical partition memory thin provisioning (Thin provisioning).
- B. Zero configuration operations to implement NPIV storage.
- C. throughout the cluster VIO server synchronization hard name.
- D. Logical partitions automatic failover between Power Systems servers.

**Correct Answer:** A  
**Section:** (none)  
**Explanation**



**Explanation/Reference:**

#### QUESTION 10

Compared with 720 quad-core , four -core S814 What added to the standard features to improve RAS capabilities ?

- A. RAID 0
- B. Chipkill Memory
- C. Support PCIe Hot
- D. alternate processor recovery (Alternate Processor Recovery}

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 11**

Dynamic partition migration , the following is required ?

- A. PowerVM Enterprise Edition  
SAN disk system  
Virtual Ethernet
- B. dedicated processor  
PowerVM Enterprise Edition  
Virtual Ethernet
- C. dual VIO server  
PowerVM Enterprise Edition  
SAN attached disk  
Two virtual processors
- D. dedicated processor  
Dual VIO server  
SAN disk system  
Virtual Ethernet

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 12**

Which of the following Linux distributions supports Little Endian (LE) on POWER5 processor- based?

- A. RHEL5
- B. SLES 11
- C. RHEL6
- D. Ubuntu 14

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference:

<http://www-01.ibm.com/support/knowledgecenter/linuxonibm/liaam/liaamdistros.htm>

**QUESTION 13**

What benefit does the CAP I feature of POWER8 provide?

- A. The ability to attach accelerators that have shared memory access that is coherent with the system's processors.
- B. An implementation of AME on a hardware accelerator.
- C. The ability to dispatch multiple virtual machines on a single core at the same time.
- D. An alternative to memory lock base synchronization.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 14**

Customer has multiple partitions running applications. Due to the user's different regions, each district will have a lot of memory requirements in the different times of day .

Which memory technology can be used to best achieve dynamic shared memory between logical partitions ?

- A. Virtual Memory Pool
- B. Virtual Memory Boost
- C. Active Memory Sharing
- D. Active Memory Expansion

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 15**

Customers to migrate to the 6-core Power6 520 S814, Which backplane RAID 5 provides the best performance ?

- A. detachable back with 6 + 6 SFF-3 bracket and the second SAS controller
- B. with ( 12 ) SFF-3 bracket and integrated SAS storage controller backplane
- C. with ( 18 ) SFF-3 bracket and dual SAS controllers and write cache storage backplane

D. detachable back with PCIe3 12GB Cache RAID SAS adapter and EXP24S of

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 16**

A customer has a 4-node cluster serving a few different applications. The storage requirements are not clearly defined and would be very unpredictable.

How would shared storage pools benefit this customer?

- A. They reduce the total required storage by half.
- B. They eliminate the need for multiple repository disks.
- C. They reduce I/O bandwidth by sharing the LUNs.
- D. They reduce the time and effort needed to allocate storage.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Answer is updated.



#### **QUESTION 17**

Customers are migrating from the Power7 to Power8 systems. In the new VIO server environment, they want to use storage multipathing client logical partition.

Customers should use something to meet their requirements ?

- A. NFS
- B. NPIV
- C. iSCSI
- D. vSCSI

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 18**

There are 20 partitions on the customer's Power8 system , want to allocate additional storage from non- IBM SAN to each partition. License fees for all partitions drivers and multi-path software beyond the current budget.

Which one of the following technologies will meet their demands in the budget ?

- A. NPIV
- B. SAS
- C. SSD
- D. vSCSI

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 19**

Customers want to have a mix of the S824 SSD and HDD, using the extended functions ( 18 disks ) backplane (EJOP), and do not want to use the Easy Tier feature.

How to achieve ?

- A. Use RAID 5T2 configure all drives.
- B. on SSD and HDD ARRAY different configurations.
- C. The SSD installed in EJTM 8-Bay 1.8 SSD cage.
- D. Use backplane isolation, and put on the back side of the SSD , HDD on the other side .

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Still valid.

**QUESTION 20**

A customer interest in the PostgreSQL server workloads to Power8 , but more concerned about the cost .

Compared with x86 servers , which system of pricing the most competitive ?

- A. S822
- B. S814
- C. S824L
- D. S812L

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 21**

A customer wants to show workloads in real time, highlighting possible problems or bottlenecks.

What will satisfy the requirement?

- A. System Director
- B. PowerVC
- C. PowerVP
- D. PowerSC



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 22**

A customer is considering a fully-virtualized infrastructure to be built on Power Systems.

Which capability would allow storage virtualization, and reduce the effort of adding storage to client partitions for the Power system administrator?

- A. vSCSI
- B. NPIV
- C. SSP
- D. SR-IOV

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 23

A customer needs a new server for their database currently running on a 16-core POWER7 4.1 GHz based server. Oracle has informed the customer that their SPARC T5 based servers are best suited for running databases, because the SPARC T5 has eight threads per core, while the current servers only allow for up to four threads per core.

Which of the following statements could be correctly used to repudiate the Oracle claim?

- A. Databases are mostly single-threaded workloads. Scale-out POWER7 servers have higher clock speeds and can scale to more cores than SPARC T5 servers.
- B. Oracle T5 Servers are engineered to run Oracle workloads faster. Non-Oracle workloads will run slower on their hardware due to the amount of threads.
- C. More threads will implicate more licensing for the database software. Less threaded processors provide a better TCO by reducing the licensing.
- D. The number of threads cannot guarantee better performance. Servers based on POWER7 have better per core performance in benchmarks when compared to SPARC T5 based servers.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 24

The Payment Card Industry Data Security Standard (PCI DSS) has the following requirements to meet compliance:

"Secure audit trails so they cannot be altered."

"Verify that current audit trail files are protected from unauthorized modifications via access control mechanisms, physical segregation, and network segregation."

Which PowerSC offering will support these requirements?

- A. Trusted Network Connect
- B. Trusted Logging
- C. Trusted Audit

D. Trusted Surveyor

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 25

An AIX customer wants to be sure they can update their SAN multipath drivers with a minimal amount of risk, while still being able to perform Live Partition Mobility operations.

Which disk connectivity technology supports these requirements?

- A. NPIV
- B. iSCSI
- C. SAS
- D. vSCSI

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 26

A customer running AIX wants to run DB2 on a new S824 server with uncapped partitions. The customer has licensed DB2 for 15 of the 24 active cores and will use it in multiple partitions.

How can the customer ensure that DB2 does not exceed the number of licenses purchased?

- A. Create 15 shared processor pools for the DB2 partitions.
- B. Limit the number of virtual processors on each DB2 partition to 15.
- C. Use partitions that cannot use more processor capacity than its assigned processing capacity for the DB2 partitions.
- D. Use a 15-core shared processor pool for the DB2 partitions.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 27**

Customers expect their virtual environment network and storage I / O traffic will be very large . They are interested in the I / O load separation. They also hope to be in the case of the VIO server without downtime for maintenance.

Which option to meet the requirements ?

- A. (2) VIO servers , each handling a part of the flow
- B. (4) VIO servers , each handling a part of the flow
- C. (4) VIO server , wherein two processing network , handling two storage
- D. (2) VIO server , wherein a processing network , a processing memory

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 28**

Easy Tier feature on what support S822?

- A. (8) drives and a split backplane
- B. (12) drives and a split backplane
- C. (12) drive , do not split backplane
- D. (8) SAS drives and an auxiliary controller

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

The correction is added.

**QUESTION 29**

What is a characteristic of virtualizing workloads?

- A. Processors are virtualized per core.

- B. Greater virtualization reduces the cost of workloads.
- C. Resources must be shared or dedicated.
- D. Greater virtualization increases the cost of computing

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Answer is modified.

### QUESTION 30

A customer wants to save on IBM i licensing costs:

They have three configurable processors and one IBM i license.

LPAR1 is running IBM i with .5 CPU

LPAR2 is running IBM i with .5 CPU

LPAR3 is running AIX with 1 CPU

All of the LPARs are uncapped.

They want to limit the IBM i LPARs to using one core.

How can the customer enforce the limit and save on their IBM i licensing costs?

- A. Put the IBM i LPARs in a shared processor pool with one core.
- B. Put the AIX LPAR in a shared processor pool with one core.
- C. Set the entitlement of each IBM i LPAR to "one"
- D. Change the AIX partition to have .5 CPU entitlement.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 31

What is the main function of the POWER8 CAPI feature?

- A. It improves memory bandwidth.
- B. It improves cache coherency.
- C. It increases the clock frequency speed.

D. It connects auxiliary processors such as GPUs.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 32

Which of the following features are unique to PowerKVM ?

- A. vTPM
- B. SR-IOV
- C. Support Ubuntu
- D. Factory Integration Linux

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



### QUESTION 33

A client is considering hardware platforms for their Hadoop implementation.

Which of the following is an advantage of a Power Systems solution over an x86 solution for then implementation?

- A. Support for two copies of data
- B. Support for the Hadoop File Placement Optimizer
- C. Support for IBM Elastic Storage
- D. Built-in High Speed Cluster Interconnect

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

Which of the following RAS features, previously available only on POWER 7+ midrange and enterprise systems is now available on POWER8 scale-out servers?

- A. Active Memory Mirroring, which maintains two identical copies of the Power Hypervisor in memory at all times.
- B. A redundant Service Processor with the ability to dynamically fail over from the primary service processor to a secondary for solid service processor fault.
- C. An on-chip controller on the processor module, which handles Power Management and Thermal Monitoring without a need for a separate controller.
- D. Active Memory Sharing, which can be exploited to increase memory utilization on the system by decreasing the system memory requirement.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

An AIX customer is running AIX 5.3 on a POWER7 machine and wants to run this workload on a POWER8 server without upgrading their operating system.

What is their best option to migrate their workload?

- A. PowerHA failover
- B. Live Partition Mobility
- C. PowerVC
- D. Versioned WPAR

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 36**

How can an administrator disable Role Based Access Control (RBAC) in a WPAR?

- A. Run `chattr -E -l sys0 -a enhanced_RBAC=false`  
Reboot the WPAR
- B. Run the RBAC wizard and deselect 'Enable RBAC'

- Reboot the system
- C. Run `chdev -l mywpar -a enhanced_RBAC=false`  
Reboot the Global Environment
  - D. Run `chwpwr -a RBAC=false`  
Reboot the WPAR

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

### QUESTION 37

After performing a NIM rte install, the administrator noticed that not all filesets are at the correct Technology Level (TL). What action will help the administrator determine why the inconsistent fileset levels were installed?

- A. On the NIM server, run an `lppchk` to identify if the Software Vital Product Data is valid.
- B. On the NIM client, run `oslevel` command against the TL to identify missing prerequisites.
- C. Run `instfix` command on NIM client to determine what filesets are inconsistent.
- D. On the NIM server run the NIM `lslpp` command to identify downlevel filesets contained in the `lpp_source`.

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

### QUESTION 38

What is a requirement for Live Partition Mobility?

- A. The network and disk must be virtual.
- B. The disk must be virtual and a Logical Host Ethernet Adapter (LHEA) for network.
- C. The client partition must be connected to a SAN.
- D. The client partition must be set up as a 'Mover Service Partition'.

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:****QUESTION 39**

Which technology provides the maximum amount of usable storage and resilience for a system with 6 physical volumes?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 6

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 40**

An LPAR is configured with strict logical volume mirroring across two disks for resilience. The administrator would like to ensure if one disk fails the volume group stays online. Which command will ensure that the datavg volume group stays online?

- A. varyonvg -n datavg
- B. mirrorvg-Q-c 2 datavg
- C. mklvcopy -e m -s y (each logical volume name) 2
- D. chvg -Qn datavg

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 41**

New change control procedures dictate that system maintenance windows be shown to each user after logging into the system using ssh or telnet. Updating which file or files will accomplish this task?

- A. The message of the day file
- B. The user default attributes file

- C. User and admin system alert files
- D. The var daily message files

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 42**

What option will boot an LPAR directly from DVD media, without any user interaction required, when starting the LPAR from the Hardware Management Console (HMC)?

- A. Normal
- B. Diagnostic with default boot list
- C. System management services
- D. Open firmware OK prompt

**Correct Answer:** B

**Section:** (none)

**Explanation**



**Explanation/Reference:**

#### **QUESTION 43**

An administrator needs to list/query the security attributes for the WPAR syswpar1. Which command will do this?

- A. Issecattr-W syswpar1
- B. Issecconf-w syswpar1
- C. Isattr-s syswpar1
- D. Iswpar-S syswpar1

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 44**

AIX has been installed on an LPAR with 32 GB of memory. What should be checked first, before increasing the paging space beyond the default 512MB?

- A. The maximum memory attribute in the LPAR profile.
- B. Quantity and size of hosted filesystems.
- C. Disk device distribution and utilization.
- D. Paging requirements of applications that will be hosted.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 45**

Which of the following is an AIX 7 Cluster Aware feature?

- A. Cluster application load balancing
- B. Cluster shared volume groups on the shared disk
- C. Cluster IP addresses on the shared resource
- D. Cluster configurations on the cluster repository disk



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 46**

Which TWO groups of actions will create a CDROM file system for device cd0 and mount this on /cdfs? (Select 2)

- A. `cdutil-s-kcd0/cdfs`  
`mount /cdfs`
- B. Define cd0 mount point as /cdfs in file /etc/cdromd.conf  
`startsrc -s cdromd`  
`cdmount cd0`
- C. Define cd0 mount point as /cdfs in /etc/filesystems as vfs type jfs2  
`mount /cdfs`

- D. crfs-vcdrfs-pro-d'cd0'-mVcdfsf  
mount /cdfsf
- E. mkfs-v/cdfs/dev/cd0  
mount /cdfsf

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 47

How can an administrator enable the Workload Partitions Manager feature after AIX 7 has been installed with the default options?

- A. Change AIX License using chlicense -l command
- B. Change AIX edition using chedition -e command
- C. Change WPAR License using chwpar -l command
- D. Change WPAR edition using chwpar-e command

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 48

The cfgmgr command appears to be taking an excessive time to complete. The administrator was able to quit the command and return to the command prompt. The administrator does not have access to the managing HMC and unable to check for any LED codes. How else can the cause of the observed delay be determined?

- A. Review the latest entry within /var/log/cfgdb.out.
- B. Start the syslog daemon before re-issuing the command.
- C. Re-issue the command with the W flag.
- D. Initiate the ledmon command from a separate session, then re-issue cfgmgr.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 49**

Which AIX command will display the virtual SCSI slot number that is the parent of hdisk0?

- A. lsdev
- B. lscfg
- C. lsattr
- D. lsmapi

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 50**

An administrator plans to duplicate the active rootvg on a given system to a spare disk that will be migrated to newer hardware. Which flag on 'alt\_disk\_copy' must be used to reset user-defined device configurations to defaults?

- A. X
- B. R
- C. O
- D. D

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 51**

Before changing virtual memory settings, how can an administrator check the valid range of values for a tuning parameter?

- A. lscfg-T
- B. lsattr-R

- C. vmtune-l
- D. vmo-L

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 52

What are key considerations when planning for Live Application Mobility?

- A. The WPAR is an Application WPAR and both global environments are at the same AIX level
- B. That the WPAR is checkpointable and both global environments are on the same subnet
- C. The NFS services are running and applications are stopped
- D. The NFS services are running and there is an HMC attached to both managed systems

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Answer is modified.



#### QUESTION 53

An administrator notices that the ntp group subsystem is not starting up at boot time. What will cause this issue?

- A. The /etc/ntp.conf file has the following line commented out broadcastserver
- B. The following line is commented out in the /etc/inetd.conf file:  
ntp 123/tcp # Network Time Protocol
- C. The following line is commented out of the /etc/inittab file:  
xntpd: 23456789: respawn:/usr/sbin/xntpd > /dev/console 2>&1 #Start ntp daemon
- D. The /etc/rc.tcpip file has the following line commented out:  
start /usr/sbin/xntpd "\$src\_running"

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 54**

An administrator is required to implement resource control for a running system WPAR called 'skippy'. Which flag of the chwparr command will set the CPU Resource control limits for this WPAR to a minimum of 8%, a desired of 35% and a maximum of 45%?

- A. chwparr -c CPU=8%-35%,45% skippy
- B. chwparr-R CPU=8%-35%,45% skippy
- C. chwparr-L CPU=8%-35%,45% skippy
- D. chwparr-r PROC=8%-35%,45% skippy

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 55**

Name resolution is not working on a given LPAR. Considering the observed behavior and configuration of/etc/resolv.conf, what is the most likely resolution?

```
# cat /etc/resolv.conf
nameserver      nameserver1.ying.ibm.com
nameserver      10.20.145.2
search          ying.ibm.com yang.ibm.com
domain          ying.ibm.com
# nslookup w7
Server:         10.20.145.2
Address:        10.20.145.2#53

** server can't find w7: NXDOMAIN
# nslookup w7.yang.ibm.com
Server:         10.20.145.2
Address:        10.20.145.2#53

w7.yang.ibm.com canonical name = w7.yang.ibm.com
Name:   w7.yang.ibm.com
Address: 10.21.147.10
# nslookup nameserver1.ying.ibm.com
Server:         10.20.145.2
Address:        10.20.145.2#53

nameserver1.ying.ibm.com canonical name = nameserver1.ying.ibm.com
Name:   nameserver1.ying.ibm.com
Address: 10.20.145.1
```

- A. Correct the definition of nameserver1.
- B. Remove the domain line.
- C. Verify the syntax in /etc/netsvc.conf.
- D. Move the search definition to the beginning of the file

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 56

Which configuration will provide an LPAR maximum network resilience and performance with two Ethernet adapters?

- A. Configure both Ethernet adapters as IEEE 802.3ad link Aggregated with src\_dst\_port mode
- B. Configure EtherChannel using Internet Protocol over InfiniBand (IPoB) with 64K TCP/IP MTU 64K Superpacket
- C. Configure EtherChannel with one Ethernet adapter as primary adapter & one as backup with hash mode roundrobin
- D. Configure both adapters with Quality of Server (QoS) adapters and configure virtual IP address on interfaces

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 57

What is required for a volume group to be eligible for automatic Geographic Logical Volume Mirroring (GLVM) mirroring?

- A. The volume group must be created as a Scalable Volume Group.
- B. The volume group must be managed by Cluster Aware AIX.
- C. The volume group must be concurrent capable.
- D. The volume group has at least two LVM mirror pools defined.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 58

Within a Perl script, how can the output of the hostname command be assigned to a variable called myHostname?

- A. `chopmyHostname='hostname -s 2>/dev/null'`
- B. `chop($myHostname=%hostname -s 2>/dev/nuir);`
- C. `$myHostname=7usr/bin/hostname".`
- D. `chomp(@myHostname-hostname -s 2>/dev/null');`

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 59**

A system dump has been initiated on an LPAR and LED code "0c1" is displayed, indicating an I/O error. Where can the administrator find out more about this error?

- A. The HMC Service Guide
- B. The AIX Version 7.1 Commands Reference
- C. HMC Event Log
- D. IBM's Fix Central under Power Systems LED support page

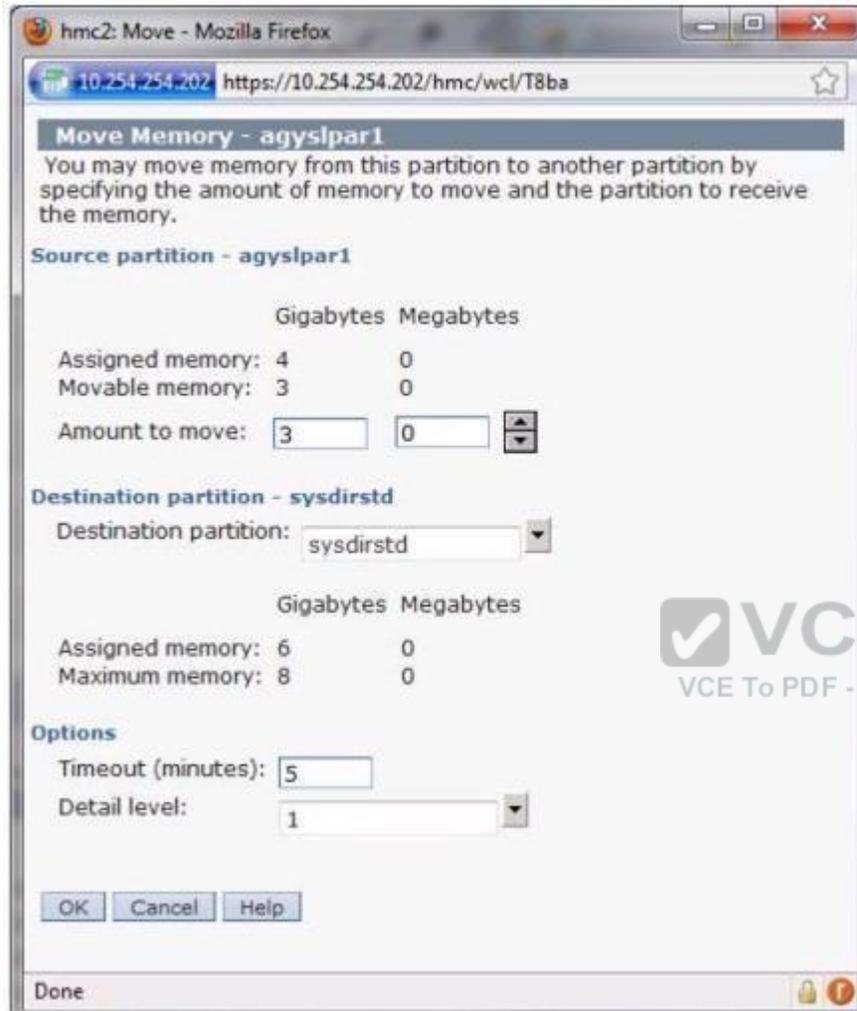
**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 60**

A DLPAR memory operation was attempted and failed. Given the following information, what is the likely caused



- A. Source LPAR is using all of its allocated memory
- B. Operation timed out
- C. Destination LPAR maximum memory setting is too low.
- D. HMC RMC daemons are not communicating properly to the source
- E. Source LPAR minimum memory setting is too high.
- F. Source LPAR maximum memory setting is too low.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Corrected.

#### **QUESTION 61**

Prior to performing a firmware upgrade on a POWER7 system managed by an HMC, which additional component needs to be verified?

- A. HMC firmware level using the IBM Power code matrix website
- B. Available disk space on HMC.
- C. Remote Command Execution capability on the HMC.
- D. Inventory Scout ports allowed on HMC firewall.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 62**

What is a mandatory requirement to allow an AIX 7-based NIM Master to install clients over IPv6?

- A. The NIM Master must use static IPv6 addresses.
- B. The NIM Master must have both IPv4 and IPv6 connectivity.
- C. The NIM Master must be installed with the AIX Enterprise Edition license.
- D. The NIM Master must be running at least AIX 7.1 TLOO Service Pack3 or later.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 63**

What infrastructure is necessary to support update installation to an existing IVM instance?

- A. Hardware Management Console
- B. Systems Director Management Console
- C. IBM Systems Director
- D. Network Install Manager
- E. Cluster Systems Manager

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 64**

What is the purpose of the virtual media repository on the VIO Server?

- A. To store resources for use by the NIM server
- B. To store backups of the VIO Server
- C. To store images for use by VIO Clients
- D. To store images for use by VIO Servers



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 65**

A system that will be re-installed has the following characteristics:

```
$ lspv
hdisk0          00c9d4cf1c892c4c      rootvg          active
hdisk1          0006bf1c3d81743b      None
hdisk2          0006bf1c3d817913      None
hdisk3          0006bf1c3e20e9f5      None
```

If the following target\_disk\_data stanza is defined in the bosinst.data file used for the install, which disk will be installed with the operating system?

target\_disk\_data:  
LOCATION = 0006bf1c3d817913  
SIZE\_MB =  
HDISKNAME = hdisk1

- A. hdisk0
- B. hdisk1
- C. hdisk2
- D. hdisk3

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 66**

A mirrored rootvg internal disk, hdisk1, has failed and must be replaced. The remaining mirrored disk, hdisk0, is intact and functioning normally. What is the correct sequence of actions?

- A. unmirrorvg rootvg hdisk1  
reducevg rootvg hdisk1  
rmdev -l hdisk1 -d  
physically replace hdisk1  
cfgmgr  
extendvg rootvg hdisk1  
mirrorvg rootvg  
Run a bosboot on both disks
- B. rmdev-l hdisk1 -d  
physically replace hdisk1  
cfgmgr  
unmirrorvg rootvg hdisk1  
reducevg rootvg hdisk1  
extendvg rootvg hdisk1  
mirrorvg rootvg  
Run a bosboot on both disks
- C. unmirrorvg rootvg hdisk1  
rmdev-l hdisk1 -d  
physically replace hdisk1  
reducevg rootvg hdisk1  
cfgmgr

extendvg rootvg hdisk1  
mirrorvg rootvg  
Run a bosboot on both disks

- D. unmirroivg rootvg hdisk1  
reducevg rootvg hdisk1  
rmdev -l hdisk1 -d  
physically replace hdisk1  
cfgmgr  
extendvg rootvg hdisk1  
Run a bosboot on both disks  
mirrorvg rootvg

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 67

Which command will display the path status of MultiPath I/O (MHO) device hdisk1?

- A. lspath-l hdisk1  
B. lspv-L hdisk1  
C. chnlspath-l hdisk1  
D. lsdev-Cp hdisk1

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 68

An administrator utilizes the parallel nature of dsh to streamline common tasks, but must serialize some to prevent network saturation. What dsh parameter will override the default behavior?

- A. The fanout parameter.  
B. The execute parameter.  
C. The node-options parameter

D. The stream parameter

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 69

Two different administrators are asked to change the hostname of a system due to a misunderstanding. The current hostname is set to 'ozi'. The first administrator thinks the hostname should be set to 'kiwi' and he runs the command:

```
# hostname kiwi
```

He checks his work by running the hostname command again and he sees this output # hostname kiwi

The second administrator thinks the hostname should be 'texan' and he runs the command:

```
# uname -S texan
```

He checks his work by running uname -n and sees the output # uname -n texan

What will be the output of the hostname and uname -n command when the system reboots?

- A. The output of both commands will be 'kiwi' after reboot.
- B. The output of both commands will be 'texan' after reboot.
- C. The output of both commands will be 'ozi' after reboot.
- D. The output of the hostname command will be 'kiwi' and the output of the uname -n command will be texan".

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 70

Which command will display the time and date of the last boot?

- A. who-b
- B. last-b
- C. boot-b
- D. time-x

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 71**

An administrator upgraded the rpm.rte fileset. During the installation, the bos.rte install fileset was automatically upgraded as well. Given the following information, which action will allow the administrator to back out the changes?

```
10.1.30.49 - PuTTY
# lslpp -h rpm.rte
Fileset          Level      Action      Status      Date        Time
-----
Path: /usr/lib/objrepos
rpm.rte
          3.0.5.51  COMMIT      COMPLETE    09/26/11    17:13:56

Path: /etc/objrepos
rpm.rte
          3.0.5.51  COMMIT      COMPLETE    09/26/11    17:14:24

# hostname
agyslpar1
# lslpp -l bos.rte.install
Fileset          Level      State      Description
-----
Path: /usr/lib/objrepos
bos.rte.install  6.1.5.1    APPLIED    LPP Install Commands

Path: /etc/objrepos
bos.rte.install  6.1.5.1    APPLIED    LPP Install Commands

#
#
#
#
```

- A. REJECT both fileset upgrades.
- B. COMMIT the bos.rte.install upgrade and REJECT both fileset upgrades.
- C. REJECT the bos.rte.install fileset and overwrite install the rpm.rte with the previous version
- D. REJECT the bos.rte.install fileset and CLEANUP the rpm.rte upgrade.

**Correct Answer: C**  
**Section: (none)**

**Explanation****Explanation/Reference:****QUESTION 72**

Solid State Drives (SSDs) have been added to a POWER7 system, and the administrator would like to migrate filesystems with high I/O activity to the SSDs. What TWO options or commands will assist the administrator with identifying filesystem activity? (Select 2)

- A. svmon
- B. tprof
- C. filemon
- D. Hot File Detection
- E. fileplace

**Correct Answer:** CD

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 73**

Which command will show all the logical volumes, filesystem mount points, and the volume group in which they reside?

- A. lslv-al
- B. mount-v
- C. df-vAg
- D. lsvg | lsvg -il

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 74**

A customer has purchased two dual-port Fibre Channel and two dual-port Ethernet cards. Which configuration will provide the greatest amount of redundancy for two client partitions?

- A. Assign each client one fibre and Ethernet card. Make sure they are cabled to a different network and fibre switches.
- B. Assign each client one port on each of the fibre and Ethernet cards. Cable each to a different network or fibre switch.
- C. Assign all resources to a VIO server. Create an Etherchannel on the network adapters that connect to different FCoE switches.
- D. Create a dual VIO server environment, each with one Ethernet and fibre card. Make sure each card is attached to a different network and fibre switch.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 75

An administrator wants to run secure commands as user1 from hosta to hostb using OpenSSH. Which actions will configure SSH trust?

- A. Create a public & private key on hosta  
Copy contents of public key to hostb file /home/user1/.ssh/authorized\_keys2
- B. Create a public & private key on hostb  
Copy contents of private key to hosta file /home/user1/.ssh/authorized\_keys2
- C. Create a public & private key on hosta  
Copy contents of key to hostb file /usr/openssh/.ssh/authorized\_keys2
- D. Create a public & private key on hosta  
Copy contents of private key to hostb file /home/useM/ ssh/authorized\_keys2

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 76

Which command will help determine if the primary Ethernet adapter in an EtherChannel has failed and the backup adapter is being used?

- A. ethstat
- B. entstat
- C. ifconfig
- D. lsagg

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 77**

A new security policy dictates that unnecessary default user accounts be removed. Which default user IDs are most eligible for removal?

- A. nobody and adm
- B. root, sys and system
- C. daemon, lpd, adm and guest
- D. nuucp, lpd, and guest

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 78**

Performance monitoring is needed for a managed system containing multiple AIX7 LPARs. Which action enables historical data capture for the managed system?

- A. Implement IBM Systems Director Standard Edition.
- B. Run snap data collections periodically.
- C. Configure the trace facility to capture details on system activity.
- D. Configure NMON to collect interval-based performance data.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 79**

What file needs to be modified to disable both telnet and local logins for the root UserID?

- A. /etc/security/limits
- B. /etc/security/passwd
- C. /etc/environment
- D. /etc/security/user

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Super Valid.

#### **QUESTION 80**

How can the administrator remove all entries from the error log?

- A. errclear 0
- B. errpt-c 0
- C. errlogger-c 0
- D. errdemon-c 0

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 81**

With regard to an existing AIX 5.2 installation, what source format is required by the mkwpar command to create a Versioned WPAR of this existing system?

- A. SPOT
- B. MKSYSB
- C. RAW
- D. OVA

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 82**

An administrator migrated a global environment of AIX 6 to AIX 7 using NIM. They have attempted to use the migwpar command to migrate a selection of hosted WPARs from AIX 6 to AIX 7, but a detached system WPAR fails to migrate to AIX 7. How can a detached system WPAR be migrated to AIX 7?

- A. NIM
- B. AIX install media
- C. savewpar command
- D. syncwpar command

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 83**

An administrator created a log logical volume named dbfs2loglv. Given the following output, why did the system create and use a new log logical volume rather than the log logical volume that the administrator specified?

```

10.1.30.49 - PuTTY
# mklv -y'dbfs2loglv' -t'jfs2log' db2vg 1
dbfs2loglv
# crfs -v jfs2 -m /db2db -g db2vg -A yes -a size=6400M
File system created successfully.
6553196 kilobytes total disk space.
New File System size is 13107200
# mount /db2db
# mount
node          mounted          mounted over     vfs             date            options
-----
/dev/hd4      /
/dev/hd2      /usr
/dev/hd9var   /var
/dev/hd3      /tmp
/dev/hd1      /home
/dev/hd11admin /admin
/proc         /proc
/dev/hd10opt  /opt
/dev/livedump /var/adm/ras/livedump
/dev/fslv00   /db2db

```

- A. The filesystem was built with a mirrored logical volume and 2 log logical volumes are needed.
- B. The administrator created the db2fsloglv log but neglected to format it with the logform command.
- C. The db2fsloglv log was created as a JFS log and a JFS2 log was needed.
- D. There was already another filesystem using the db2fsloglv when the filesystem was created

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 84**

During a recent network outage, the failover to the secondary DNS server was taking too long. The administrator found the RES\_RETRY and RES\_TIMEOUT values needed to be updated. Where are these values updated?

- A. /etc/inetd.conf
- B. /etc/rc.net
- C. /etc/security/limits
- D. /etc/environment

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 85**

In order to enable an AIX host to use one virtual Ethernet adapter to communicate on multiple VLANs, what is required?

- A. The VLAN devices used by the host must be configured with IP addresses on different subnets.
- B. The virtual Ethernet adapter must be set to full duplex in AIX.
- C. VLAN devices must be configured in the AIX host.
- D. The virtual Ethernet adapter must be configured as a trunk adapter.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 86**

An administrator needs to restore all files in the /myfs/test directory of the non-rootvg volume group backup, which is located on device /dev/cd1, and write the restored files to /data/myfiles.

Which is the correct command?

- A. restvgfiles -f /dev/cd1 -r-s -d /data/myfiles ./myfs/test
- B. restore -Tf /dev/cd1 -r -s -d /data/myfiles /myfs/test
- C. restvgbackup -f /dev/cd1 -r-s -d /data/myfiles ./myfs/test
- D. Ismksysb-f/dev/cd1 -r-s-d/data/myfiles ./myfs/test

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 87**

Which is a benefit of dynamic tracking of Fibre Channel devices?

- A. I/O failures are prevented with Fibre Channel tape devices.
- B. SAN changes are automatically detected.
- C. SAN disk arrays are created with a common set of disk attributes.
- D. NPIV support is added for all AIX Fibre Channel adapters.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 88**

What is required to support VLANs in an AIX partition?

- A. IEEE 802.1Q compatible adapter
- B. Promiscuous mode disabled
- C. IEEE 802.3ad compatible interface
- D. QoS must be enabled

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 89**

How can administrators ensure that the Integrated Virtual Ethernet (IVE) adapters in their servers have the latest available firmware?

- A. By upgrading the given IBM Power Systems server to the latest available system firmware.
- B. By using inventory scout to query the installed firmware level against the available level.
- C. By using either the managing HMC, SDMC or IVM to query and update the adapter firmware.
- D. By using the lsmcode AIX command with the query flag.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 90**

Why would the 'bffcreate -d /dev/cd0 -t/tmp/images all' command be run?

- A. To create installation or update images of all software packages from media in /dev/cd0
- B. To install all software packages from the media in /dev/cd0 that have prerequisites met on the system or in /tmp/images.
- C. To make a file in /tmp/images that lists all of the software packages on media in /dev/cd0
- D. To make a copy of all software in /tmp/images and store onto the writable media in /dev/cd0

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 91**

A server on the 165.x.x.x subnet is displaying network problems. The administrator uses a console connection and gathers the following information:

```
$ lsattr -El inet0
authm          65536          Authentication Methods          True
bootup_option no          Use BSD-style Network Configuration True
gateway        Gateway          True
hostname       host104         Host Name                       True
route          net,-hopcount,0,,0,165.253.253.1 IPv6 Route                       True
route          net,-hopcount,0,,0,10.2.98.113  Route                           True
```

Which action will permanently resolve the issue?

- A. Flush the routing table.
- B. Run 'route del 10.2.98.113-f.
- C. Modify/etc/routes and reboot the system.
- D. Run 'chdev-l inet0-a delroute=net.-hopcount,0,,0.10.2.98.113'.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 92

Paging space on a system is almost entirely consumed. What temporary solution can be used to prevent the system from sending SIGKILL to processes while the administrator performs more in-depth problem determination?

- A. Use swapon to flush paging space entries to physical memory.
- B. Use tuning commands to change the system behavior so it does not terminate processes
- C. Increase the existing paging space.
- D. Use tuning commands to set the page space kill threshold to 100%.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 93**

In the following output, what do the ec and pc columns mean?

```
# vmstat 1 999

System configuration: lcpu=16 mem=1024MB ent=0.40

kthr      memory          page                faults              cpu
-----
 r   b   avm   fre   re   pi   po   fr   sr   cy   in   sy   cs   us   sy   id   wa   pc   ec
 2   0 227201 15032   0   0   0   0   0   0   4  480 254 63   1 36   0   1.71 428.3
 1   0 227201 15032   0   0   0   0   0   0   2   43 253 63   1 36   0   0.75 188.7
 4   0 227201 15032   0   0   0   0   0   0   3  148 233 63   0 36   0   1.61 401.4
 2   0 227201 15032   0   0   0   0   0   0   2   20 127 63   0 36   0   1.62 404.5
 4   0 227201 15032   0   0   0   0   0   0   3   30 256 71   0 29   0   2.52 629.9
 0   0 227201 15032   0   0   0   0   0   0   3   47 264 60   1 39   0   0.91 226.4
 2   0 227201 15032   0   0   0   0   0   0  11   58 268 63   1 36   0   1.66 415.2
 3   0 227201 15032   0   0   0   0   0   0   2   46 275 64   0 36   0   2.17 542.3
 2   0 227201 15032   0   0   0   0   0   0   8   53 319 19   2 78   0   0.19  46.8
... 
```

- A. Program counter and entitled CPUs
- B. Physical processors consumed and entitled capacity consumed
- C. Processor count and extra cores
- D. Pages compressed and elapsed context switches
- E. Pool compression and external compression

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 94**

The/usr/sbin/clcmd command is not working as documented in an administrator's reference. How can the administrator determine if the command being run is at the same level as the command being referenced in the documentation?

- A. Get the fileset name from lsipp-f, then check the level of the file set with lsipp-1.
- B. Use lsipp-wto get the fileset name, then check the level of the file set with lsipp-1.
- C. Use lsipp-1 to determine the fileset name and check the level.
- D. Use ls-l to determine the last modified date of the command.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 95

Which command is used to change the reserve policy of a disk?

- A. chdev
- B. chpv
- C. chvg
- D. chattr



**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 96

How can an administrator determine if DLPAR operations can be performed for a specific LPAR?

- A. Run the lsdlpar -partition command on the local HMC.
- B. Run the lsrsclBM.MCP command on the LPAR.
- C. Run the lparstat -dlpar command on the LPAR.
- D. Run the rmcctrl -d command on the local HMC.

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 97**

An administrator wants to reorganize some of the logical volumes in the datavg volume group. What TWO things must the administrator verify before starting the reorganization? (Select 2)

- A. Enough free physical partitions exist to accommodate the largest logical volume being reorganized.
- B. At least one free physical partition exists.
- C. That none of the logical volumes contain a paging space.
- D. The logical volumes being reorganized are relocatable.
- E. Quorum has been disabled for the volume group.
- F. The volume group descriptor area (VGDA) has room to expand.
- G. That any raw logical volumes being re-organized are closed.

**Correct Answer:** BD

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 98**

An AIX LPAR has been saved using the mksysb command to a file called LPAR1\_mksysb located in the /backup directory. Which command displays the contents of the mksysb backup?

- A. mksysb-v-f/backup/LPAR1\_mksysb
- B. restore -Tqf /backup/LPAR1\_mksysb
- C. listvgbackup -f/backup/LPAR1\_mksysb
- D. backup-i -v-f/backup/LPAR1\_mksysb

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:**

**QUESTION 99**

Which action will temporarily disable remote login access using telnet and ssh for all non-root accounts?

- A. Update /etc/security/passwd and recycle the inetd subsystem.
- B. Stop the sshd subsystem.
- C. Create a/etc/nologin file.
- D. Set the PermitLogins parameter in /etc/ssh/sshd\_config and recycle the sshd daemon.
- E. Touch the /etc/sshd/nologin file and recycle the sshd daemon.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 100**

The/app1 filesystem in appvg did not mount due to a failure replaying jfslog1. Which command will reinitialize jfslog1?

- A. resysnclvodm vjfslog1
- B. logform/dev/jfsiog1
- C. synclvodm appvg jfslog1
- D. format-d/dev/jfslog1



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 101**

Given the following lsdev output, which command will identify the underlying devices and network type of ent4 below?

```
root@server1:~/#lsdev-l ent4 ent4 Available EtherChannel / IEEE 802.3ad Link Aggregation
```

- A. lsdev-dev ent4 -attr
- B. lscfg-vl ent4
- C. cfgmgr-1|grepent4
- D. lsattr-EI ent4

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 102**

On a system that currently boots from hdisk0, what command will extend the boot order to include hdisk1?

- A. bootlist-ahdisk0 hdisk1
- B. bosboot-M norm hdisk0 hdisk1
- C. bootlist-m normal hdisk0 hdisk1
- D. bosboot-e hdisk0 hdisk1

**Correct Answer:** C

**Section:** (none)

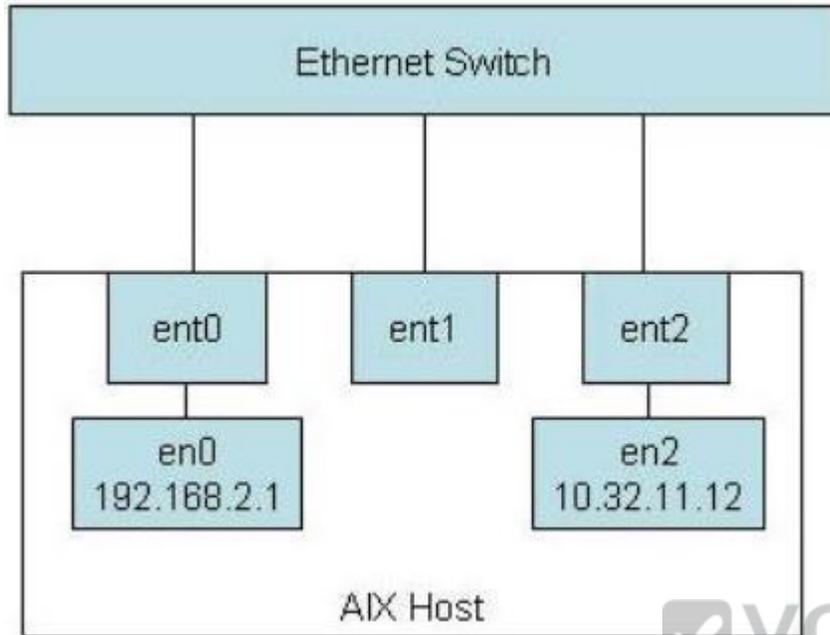
**Explanation**

**Explanation/Reference:**



**QUESTION 103**

In the following figure, what TWO things must be done before an EtherChannel can be created from the ent0 and ent1 adapters?



- A. The ent0 and ent1 adapters must be connected to different switches to provide both additional bandwidth and adequate redundancy in the EtherChannel that is created.
- B. EtherChannel support capability must be verified for the Ethernet switch.
- C. The IP configuration must be removed from en0.
- D. The AIX host must be completely disconnected from the network.
- E. The en1 interface must be configured with IP information.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 104

A system administrator wants to create a server with network redundancy and maximum I/O throughput over two Ethernet cards. Which option will support the requirement?

- A. Create an 802.3ad Link Aggregation adapter backed by both Ethernet cards and cable to a switch with 802.3ad enabled ports.

- B. Create a Network Interface Backup (NIB) with each Ethernet card being cabled to a different switch.
- C. Create the file /etc/sysconfig/network-scripts/ifcfg-bond0 then edit the two ifcfg-ethX configuration files to add a master or slave option. Cable to two switches and use 802.3ad enabled ports.
- D. Create a virtual adapter and assign it to the server, use both Ethernet adapters as backing devices to the virtual adapter with the mkvdev command. Have each adapter cabled to separate switches.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 105

Which command, when issued from the HMC command line, will attempt to launch a virtual terminal session on lpar1, running on the sys1 managed system?

- A. mkvterm-msys1 -p lpar1
- B. crvterm-ssysy -r lpar1
- C. startvt-h sys1 -l lpar1
- D. startx-vt sys1 -p lpar1



**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 106

Which action must be completed on the HMC when a partition is in a Recovery state?

- A. Select Configuration and Restore partition data.
- B. Select Recover Partition Data for the managed system.
- C. Select Initialize Partition for the LPAR in Recovery state
- D. Select Configuration and Rebuild Managed System.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Still Valid.

**QUESTION 107**

Which RAID technology will provide the maximum data protection and available storage for a system with 6 physical disks?

- A. RAID 0 (striping)
- B. RAID 1 (mirroring)
- C. RAID 5 + Hot Spare (striping + parity + spare)
- D. RAID 6 (striping + double parity)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 108**

A NIM server is used to support different AIX Technology Levels among several clients. Each technology level is maintained in a separate lpp\_source. Which command(s) will display what AIX fixes are available for several TL levels supported by a NIM server?

- A. `niminv-o fixget-a targets=lpp_source1,lpp_source2`
- B. `nim_update_check-lsumalpp_source1 nim_update_check-lsumalpp_source2`
- C. `nim-o cust-a fixes=update_all lpp_source1Jpp_source2`
- D. `nim -o lppmgr-a lppmgr_flags="lsb" lpp_source1, lpp_source2`

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 109**

The following output shows that a logical volume was renamed, but the change does not appear to be effective. What is the most likely cause?

```

10.1.30.49 - PuTTY
# mount
node          mounted          mounted over      vfs      date          options
-----
/dev/hd4      /
/dev/hd2      /usr
/dev/hd9var   /var
/dev/hd3      /tmp
/dev/hd1      /home
/dev/hd11admin /admin
/proc        /proc            procfs           Oct 04 18:22 rw
/dev/hd10opt  /opt
/dev/livedump /var/adm/ras/livedump jfs2           Oct 04 18:22 rw,log=/dev/hd8
/dev/fslv00   /db2db           jfs2            Oct 05 09:56 rw,log=/dev/loglv00
# /usr/sbin/chlv -n'db2lv' fslv00
# mount
node          mounted          mounted over      vfs      date          options
-----
/dev/hd4      /
/dev/hd2      /usr
/dev/hd9var   /var
/dev/hd3      /tmp
/dev/hd1      /home
/dev/hd11admin /admin
/proc        /proc            procfs           Oct 04 18:22 rw
/dev/hd10opt  /opt
/dev/livedump /var/adm/ras/livedump jfs2           Oct 04 18:22 rw,log=/dev/hd8
/dev/fslv00   /db2db           jfs2            Oct 05 09:56 rw,log=/dev/loglv00
#
    
```

- A. The command did not perform the change.
- B. The filesystem needs to be remounted.
- C. Only raw logical volumes can be renamed.

- D. The log device needs to be renamed as well.
- E. The volume group should have been inactive.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 110**

An administrator is required to create a System WPAR and configure it for mobility, which command will do this?

- A. mkwpar-c wparname
- B. mkwpar-m wparname
- C. crwpar-c wparname
- D. crwpar-m waprname

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 111**

How can an administrator use the logical volume information returned by the `lslv -m` command?

- A. To determine the amount of available (unused) space in the logical volume
- B. To determine which physical partitions are free for use by the logical volume
- C. To determine which physical partitions are allocated to the logical volume
- D. To determine the current state of the logical volume

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 112**

From which location can an administrator update system firmware?

- A. The Systems Management menu on the ASMI
- B. The IBM Support directory in the service partition
- C. The Updates menu on the HMC
- D. The NIM server update menu

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 113**

Which command is used to determine the memory use of either a particular process or whole AIX system?

- A. netpmon
- B. vmstat
- C. svmon
- D. truss
- E. ps
- F. rmss



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 114**

Which command will read a volume group backup stored at/dev/cd1 and restore the /myapp/app.c file to the /data/testcode directory?

- A. restorevgfiles -f /dev/cd1 -s -d /data/testcode ./myapp/app.c
- B. restvg -d /dev/cd1 -s -f /data/testcode./myapp/app.c
- C. restore -Tqvf/dev/cd1 -s -d /data/testcode ./myapp/app.c
- D. listvgbackup -restore /dev/cd1 -s -f/data/testcode ./myapp/app.c

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 115**

How can a system administrator verify the progress of an AIX 7.1 client installation from the NIM master?

- A. nim -status
- B. lsnim-l
- C. nim-o check
- D. tail-f/var/adrn/ras/nimclient

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**



**QUESTION 116**

Which TWO components of IBM Systems Director are included in a new installation of a AIX 7.1? (Select 2)

- A. Common Agent
- B. Interface Agent
- C. Distributed Agent
- D. Platform Agent
- E. Management Agent
- F. Update Agent
- G. Compliance Agent

**Correct Answer:** AD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 117**

An administrator would like to enable operators to list the submission times of all crontab files, but not to edit them. How can this be accomplished?

- A. Enable them to use the crontab command with Role Based Access Control (RBAC)
- B. Enable them to use the cronadm command with SUDO.
- C. Enable them to view the /var/spool/cron/log file with unix file permissions.
- D. Enable them to use the Iscrontab command by adding them to the system group.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 118**

Which command displays path and state information for a Multipath I/O (MPIO) capable device?

- A. lspath
- B. lsvpcfg
- C. lsdev
- D. lspv



**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 119**

One disk within a mirrored rootvg volume group failed and was replaced. What is the first action the administrator must take after re-establishing mirroring?

- A. Create the boot image on the replaced disk.
- B. Recreate/dev/ipldevice.
- C. Re-enable volume group quorum.
- D. Copy/dev/hd5 to the new disk.

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 120**

Which tool or function can minimize the impact of planned operating system downtime on active workloads?

- A. Integrated Visualization Manager
- B. Live Application Mobility
- C. Partition Flexibility Mirror
- D. Dynamic Hosting Environment
- E. Micro-Partitioning
- F. Live Partition Mobility
- G. Shared Storage Pools

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



**QUESTION 121**

Why does the following ksh code segment fail to run?

```
if [ $src -eq 0 ] ; then
    echo "Command completed successfully."
    exit $src
elseif [ $src -eq 101 ] ; then
    echo "Command failed with debug return code 101."
    exit $src
fi
```

- A. An alphanumeric operator is being used to compare the integer variable.
- B. The 'if statement must be terminated with an 'end1 keyword.
- C. The 'elseif keyword is not valid within ksh scripts.

D. The segment is missing an 'else' default statement.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 122

A user has found the keyboard backspace key will not delete text. How can the user set the keyboard backspace key to delete?

- A. splp-b
- B. Add "<key> Backspace" to user .profile and re-login activate
- C. Export LC\_CTYPE=BackSpace variable and run command stty-s
- D. stty erase ^?

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



### QUESTION 123

An LPAR has been assigned additional memory and the administrator would like to confirm the new memory size. Which TWO commands will display LPAR total memory? (Select 2)

- A. memstat
- B. lsattr -El sys0 -a realmem
- C. getconf REAL\_MEMORY
- D. lscfg-vlmem0
- E. lsmem

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 124**

Which parameter of the mkwpar command results in the created Versioned WPAR being mobility aware?

- A. -c
- B. -m
- C. -lam
- D. -ma

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 125**

How can an administrator rename hdisk2 to cldisk1?

- A. chpv-n cldisk1 hdisk2
- B. rendev-l hdisk2 -n cldisk1
- C. clcmd-l hdisk2-d cldisk1
- D. chdev-l hdisk2-aname=cldisk1



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 126**

A host is already configured to access the network, and the administrator would like to configure a second adapter on the same system. This adapter should be permanently configured so that the new IP address is available when the system reboots. Which command should be used?

- A. ifconfig
- B. ipconfig
- C. mktcpip
- D. chdev

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 127

An administrator uses the 'no1 command to change the tcp\_sendspace network tunable to 262144. A few minutes later, the ifconfig command produces the following output:

```
en0: flags=5e080863,c0<UP,BROADCAST,NOTRAILERS,RUNNING,SIMPLEX,MULTICAST,GROUPRT,
64BIT,CHECKSUM_OFFLOAD(ACTIVE),PSEG,LARGESEND,CHAIN>
    inet 10.126.0.5 netmask 0xffffffff broadcast 10.126.0.255
    tcp_sendspace 131072 tcp_recvspace 65536 rfc1323 0
```

What additional action is needed?

- A. Use ifconfig to cycle the interface down and up.
- B. Run the no command again, specifying a permanent change.
- C. Change the tcp\_sendspace interface specific network option for the device.
- D. Refresh inetd subsystem.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 128

Which Korn shell syntax is used to assign the directory of the called script to a variable called mydir?

- A. mydir=\$(dirname \$0)
- B. \$mydir=\$(dirname \$0)
- C. mydir=\${dirname \$@}
- D. mydir=\$(dirname \$?)

**Correct Answer:** A

**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Reconfirmed.

**QUESTION 129**

Which startup script will mount all filesystems in /etc/filesystems for which the mount parameter is set to 'true'?

- A. /etc/rc
- B. /etc/red
- C. /sbin/rc.start
- D. /etc/rc.bootc

**Correct Answer: A**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**

**QUESTION 130**

Which command creates an application WPAR?

- A. mkwpar
- B. wparexec
- C. crwpar
- D. wparcreate

**Correct Answer: B**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**

**QUESTION 131**

Which command should be run in a WPAR, prior to migration, to ensure fileset consistency with the AIX Global Environment?

- A. syncroot

- B. syncwpar
- C. lppchk-v
- D. lspp-c

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 132

The administrator cannot ping the hostname of any system on the local network, including LPARs in the same managed system that have virtual Ethernet adapters configured on the same subnet and VLAN. What is the most likely cause of this problem?

- A. The Ethernet cable from the system to the switch is disconnected or faulty.
- B. The Shared Ethernet Adapter in the Virtual I/O Server in the managed system has a problem and is not passing communication between virtual adapters and the network.
- C. The routing table has been flushed on the host and the default route is no longer configured.
- D. DNS is disabled and the /etc/hosts file on the host does not contain the addresses for the hostnames that are being pinged.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 133

An LPAR has 32 CPUs, and is reporting hundreds of page-ins and page-outs per second. At what level of paging should the administrator become concerned?

- A. Above the size of the paging space size in 4KB pages
- B. Above 50 pages per second
- C. Above 10 pages per CPU per second
- D. Above 10 pages per GB of allocated memory per second
- E. Above the number of paging space disks

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 134**

Which command will show the status of Geographically Mirrored Volume Groups?

- A. gmvstat
- B. geovgstat
- C. lsglvm
- D. listgm

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 135**

An administrator is removing a failed disk from a mirrored rootvg volume group. A message directed the administrator to run the `chpv -c` command. The administrator ran this command against the last available disk in rootvg.

What is the result of performing this action?

- A. The failed drive is removed from the bootlist.
- B. The boot record was removed from the system.
- C. The `ipldevice` was re-linked to the available disk device name.
- D. The boot record was updated with the available disk information.

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 136**

When creating a new user id, an administrator encounters the following error message:

```
aixsystem:/home/root# mkuser newuserid
```

3004-694 Error adding "newuserid": Name is too long.

Running which of the following commands will cause the mkuser newuserid command to complete successfully?

- A. `chdev -l sys0 -a max_logname=10;shutdown -Fr now`
- B. `chsec -f /etc/security/login.cfg -s default -a max_logname=10`
- C. `chsec -f /etc/security/login.cfg -s default -a pwd_algorithm=sha512`
- D. `chsec -f /usr/lib/security/mkuser.default -s default -a loginlength=10`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 137

An administrator receives the following error message when attempting to extend a volume group with an additional disk:

0516-1162 extendvg : the Physical Partition size of 256 requires the creation of 1026 partitions for hdisk2. The limitation for volume group rootvg is 1024 physical partitions per physical volume. Use the chvg command with the -t option to attempt to change the maximum Physical Partitions per Physical volume for this volume group.

While the use of the -t option may allow the administrator to successfully extend the volume group, what other effect will using this option have?

- A. The boot logical volume would be recreated.
- B. The volume group would need to be varied off to apply the change.
- C. Mirroring would be removed from all logical volumes within the volume group
- D. The number of physical volumes allowed in the volume group will be reduced

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 138**

Which procedure will create a NIM lpp\_source resource from an ISO image?

- A. `mklv -y cdlv -L /dev/cdlv rootvg 4500M hdisk0`  
`cp /images/71_DVD1.iso /dev/cdlv`  
`mount -v cdrfs -o ro /dev/cdlv /mnt`  
`nim -o define -t lpp_source -a server=master -a location=/export/lpp_source/aix71 -a source=/mnt AIX71_lpp_source`
- B. `mount -o loop /images/71_DVD1.iso /mnt`  
`nim -o define -t lpp_source -a server=master -a location=/export/lpp_source/aix71 -a source=/mnt AIX71_lpp_source`
- C. `mount -v cdrfs -o ro /images/71_DVD1.iso /mnt`  
`nim -o define -t lpp_source -a server=master -a location=/export/lpp_source/aix71 -a source=/mnt AIX71_lpp_source`
- D. `nim -o define -t lpp_source -a server=master -a location=/export/lpp_source/aix71 -a source=/images/71_DVD1.iso AIX71_lpp_source`

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 139**

A failed integrated tape drive was physically replaced in a small POWER7+ server. The administrator attempts to use the device and receives this error message:

AN ERROR OCCURRED WHILE WRITING TO THE STORAGE MEDIA THE DEVICE IS NOT READY FOR OPERATION

Which of the following is the most likely cause?

- A. The tape device microcode needs to be updated.
- B. The media inside the failed tape drive was not removed.
- C. The tape drive needs to be powered on before being used.
- D. The drive was replaced but the new device information was not configured

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 140**

Within the context of a script, what must be considered when using stopsrc to stop a running subsystem?

- A. The command can only run in the foreground.
- B. Return code will be zero, regardless of outcome.
- C. Return code will be non-zero should the subsystem fail to stop.
- D. The command will wait for the given subsystem to shutdown, before returning.

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 141**

An existing LPAR hangs with an LED code of 0553 after a scheduled reboot. An administrator boots the LPAR into a maintenance mode to investigate

the cause of the issue.

All filesystems fsck cleanly. There is plenty of space in / and /tmp. And /etc/inittab appears to be intact and valid.

Based on the following output, why is one of these symbolic links likely to be the cause of the LED code?

```
# ls -al /bin /bin/bsh /bin/sh /lib /u /unix
lrwxrwxrwx 1 bin bin 8 Aug 5 2012 /bin -> /usr/bin
-r-xr-xr-x 3 bin bin 25622 4 Jun 4 2012 /bin/bsh
lrwxrwxrwx 3 bin bin 22 4 Jun 5 2012 /bin/sh -> ../opt/freeware/bin/bash
lrwxrwxrwx 1 bin bin 8 Aug 5 2012 /lib -> /usr/lib
lrwxrwxrwx 1 bin bin 5 Aug 5 2012 /u -> /home
lrwxrwxrwx 1 root system 18 Aug 5 2012 /unix -> /usr/lib/boot/unix
#
```

- A. /bin should be linked to/sbin
- B. /unix is attempting to boot a 32-bit kernel
- C. /bin/bsh should be pointing to /opt/freeware/bin/bash
- D. bash can interpret the AIX startup scripts differently to the default shell

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 142

Which command can be used to monitor I/O activity?

- A. cpio
- B. alstat
- C. iostat
- D. vmstat

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 143**

Given the following output, what is the most likely cause for the error shown?

```
/home/root#lsdev | grep Ether
ent0          Available      Virtual I/O Ethernet Adapter (1-lan)
ent1          Available      Virtual I/O Ethernet Adapter (1-lan)
ent2          Available      Virtual I/O Ethernet Adapter (1-lan)
ent3          Available      Virtual I/O Ethernet Adapter (1-lan)
ent4          Available      EtherChannel / IEEE 802.3ad Link Aggregation
ent5          Available      EtherChannel / IEEE 802.3ad Link Aggregation
```

```
/home/root#entstat -d en0
entstat: 0909-003 Unable to connect to device en0, errno = 19
```

- A. ent0 is part of an EtherChannel.
- B. ent0 is not connected to a switch.
- C. The network that ent0 accesses is unavailable.
- D. The SEA providing network connectivity for ent0 is unavailable.



**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 144**

An administrator is attempting to recover the sendmail.cf file from the weekly mksysb backup. The following output confirms that the file does exist within the mksysb backup:

```
Cluster 51200 bytes (100 blocks).
Volume number 1
Date of backup: Wed 20 Mar 21:17:26 2013
Files backed up by name
User root
 48015 ./tmp/sendmail.cf
 53278 ./usr/lpp/bos.net/bos.net.tcp.client/7.1.1.17/inst_root/etc/mail/sendmail.cf
 53234 ./usr/lpp/bos.net/inst_root/etc/mail/sendmail.cf
    0 ./usr/samples/tcpip/sendmail/cf
    997 ./usr/samples/tcpip/sendmail/cf/aixsample.mc
   2786 ./usr/samples/tcpip/sendmail/cf/mailserver.mc
   1259 ./usr/samples/tcpip/sendmail/cf/submit.mc
 48015 ./etc/mail/sendmail.cf
 47955 ./etc/mail/sendmail.cf-
 53547 ./etc/mail/sendmail.cf--
 48015 ./etc/mail/sendmail.cf.1355401616
    21 ./etc/sendmail.cf
 48015 ./lpp/save.config/etc/mail/sendmail.cf
    21 ./lpp/save.config/etc/sendmail.cf
files archived: 49674
```

Why would the following smitty panel fail to find and restore the required file?

```
Restore a File or Directory

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                [Entry Fields]
* Restore DEVICE                  [/tmp/rootvg_mkysyb]  +/
* Target DIRECTORY                [/tmp/]                /
FILE or DIRECTORY to restore     [/etc/mail/sendmail.cf]
(Leave blank to restore entire archive.)
VERBOSE output?                  yes                       +
Number of BLOCKS to read in a single input
operation                         []                       #
Restore extended attributes?     yes                       +
```

- A. The target directory must match the source directory
- B. /etc/mail/sendmail.cf is a symbolic link to /etc/sendmail.cf
- C. Extended attributes should not be restored for a symbolic link
- D. The file to restore must be correctly delimited relative to the backup

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 145**

When attempting to connect to a remote system, a long delay is experienced before the login prompt is displayed. Which of the following is the most likely cause of this issue?

- A. The /etc/resolv.conf file on the remote system is missing.
- B. The /etc/resolv.conf file on the remote system has an invalid entry.
- C. The /etc/hosts file on the remote system does not have an entry for itself.
- D. The /etc/hosts file on the remote system has an invalid hostname listed for itself.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 146**

What speed and duplex attributes should be configured on a virtual Ethernet adapter?

- A. 1000/Full
- B. Auto/Auto
- C. 10000/Full
- D. Default/Default

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 147**

In the following graphic, the administrator created an additional paging space using smit mkps. The paging space is not active. What is necessary to start using the new paging space?

```
                                Add Another Paging Space
Type or select values in entry fields.
Press ENTER AFTER making all desired changes.

                                [Entry Fields]
volume group name                pgvg
SIZE of paging space (in logical partitions) [1024]
PHYSICAL VOLUME name
start using this paging space NOW?    no
Use this paging space each time the system is
    RESTARTED?                        no
checksum size                       []
```

- A. Use swapon to activate the new paging space.
- B. Reboot the server to activate the new paging space.
- C. Vary on the pgvg volume group prior to creating the new paging space.
- D. Use chps with the -a y flag to activate the new paging space for immediate use.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 148**

When could an IVM instance be preferable to an HMC for Power Systems management?

- A. Where multiple partition profiles are required
- B. When Systems Director is used for central management
- C. Where Power Compute Nodes are deployed in a PureFlex environment
- D. When a single entry level Power Systems server needs to be split into LPARs

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Updated.

**QUESTION 149**

What is the purpose of using the ssh-keygen -t dsa command?

- A. Establishing credentials for a secure connection between systems.
- B. Provide performance monitoring agents to monitor encrypted file systems.
- C. Allow a user to switch to the root user without knowing the root password.
- D. Securely transfer files between AIX instances without a password prompt using ftp

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 150**

Given the NIB configuration shown below, what is the most likely reason that after a link failure for ent0, there was no automatic failover to ent2?

Type or select values in entry fields.  
Press Enter AFTER making all desired changes.

	[Entry Fields]
EtherChannel / Link Aggregation	ent4
Parent Adapter	NONE
EtherChannel / Link Aggregation Adapters	ent0
Backup Adapter	ent2
Automatically Recover to Main Channel	yes
Perform Lossless Failover After Ping Failure	yes
Delete Backup Adapter	
Add Main Adapter	
Delete Main Adapter	
Add Backup Adapter	
Enable Alternate Address	no
Alternate Address	[0x000000000000]
Enable Gigabit Ethernet Jumbo Frames	no
Mode	standard
IEEE 802.3ad Interval	long
Hash Mode	default
Internet Address to Ping	[ ]
Number of Retries	[ ]
Retry Timeout (sec)	[1]
Apply change to DATABASE only	no



- A. Alternate Address is not set
- B. No Internet Address to Ping is specified
- C. Automatically Recover to Main Channel is set to yes
- D. ent0 and ent2 have different media speeds specified

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 151**

An administrator saved a change to the active profile of an LPAR. When will the change take effect?

- A. Immediately after the profile is saved
- B. When the admin reboots the LPAR from within AIX
- C. When the Rebuild Managed System task completes

D. When the LPAR is shutdown and the profile is activated from the HMC

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 152**

With regard to GLVM mirroring, which of the following is a true statement?

- A. Mirrored locations are limited to being 254 miles apart
- B. Data mirroring is performed over standard TCP/IP networks
- C. GLVM requires any hosted database applications to be mirror-tolerant.
- D. Production and backup sites must use the exact same model of IBM Power System server

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 153**

What additional NIM functionality is gained by installing the optional dsm.core fileset?

- A. NIM can query the WWPN of an uninstalled LPAR.
- B. NIM can initiate DLPAR operations against an installed LPAR.
- C. NIM can initiate an automated bos\_inst install operation of an LPAR.
- D. NIM can automate a TSM backup before applying APARs or patches

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 154**

An administrator plans to migrate an LPAR from one host to another using a mksysb restore. The source system has a mirrored rootvg on two 72GB

disks. The destination system has one 72GB disk.

Which of the following would allow the mksysb to be restored successfully on the destination system?

- A. Update the bosinst.data file for the mksysb target\_disk\_data value for the volume group.
- B. Ensure the option 'Shrink Filesystems' and 'Use Maps' are set to no when restoring the mksysb.
- C. Update the image.data file for the mksysb lv\_source\_disk\_list, copies and PP values for each LV.
- D. Update the image.data file for the mksysb and add the attribute mirror=false under logical\_volume\_policy stanza.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 155**

Which of the following is a requirement for EtherChannel using HEA ports?

- A. Dedicated HEA ports are supported as primary adapters when they are configured at different speeds within a single EtherChannel.
- B. HEA logical ports can only be used as a backup adapter when the physical ports are configured as primary adapters in an EtherChannel.
- C. When using HEA logical ports as primary adapters in an EtherChannel, the underlying physical ports must be in an EtherChannel at the switch level.
- D. The 'Internet Address to Ping' attribute must be enabled for logical HEA ports when the EtherChannel only includes primary adapters running at full duplex.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Corrected.

#### **QUESTION 156**

A customer wants to run seven AIX 7.1 partitions in a virtualized environment. The server is a 20-core S822, with 128GB of memory.

Which of the following I/O adapter combinations satisfies the requirement?

- A. (4) PCIe4-port 1GbE  
(4) PCIg-4x 2-port 8Gb Fibre Channel
- B. (4) PCIe4-port 1GbE  
(4) PCIe LP 8Gb 2-port Fibre Channel

- C. (4) PCIe-2 LP 4-port 1 GbE  
(4) PCIe-2 LP 8Gb 2-port Fibre Channel
- D. (4) PCIe LP 4-port 1 GbE  
(4) PCIe-4x 2-port 8Gb Fibre Channel

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 157**

Which of the following is open source software that hosts the virtual machines on a KVM hypervisor?

- A. QEMU
- B. OPAL
- C. PHYP
- D. CAPI

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 158**

What supports the Easy Tier function for an S822?

- A. (8) drives with a split backplane
- B. (12) drives with a split backplane
- C. (8) drives with a second SAS controller
- D. (12) drives without split backplane

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference:

<http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=an&subtype=ca&appname=gpatem&supplier=897&letternum=ENUS114>

#### QUESTION 159

What provides a comparison of Power Systems to competitors for applications?

- A. SPECint
- B. RPE2
- C. SPECfp
- D. TPM

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 160

A customer wants to consolidate AIX, Linux and IBM i workloads. They are also thinking about Analytic applications and a small-to-mid-size database. Which of the following servers satisfies the customer's requirements?

- A. S822L
- B. S822
- C. S812
- D. S824

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 161

A customer wants to move from an IBM Power 740 to an IBM Power S824. The 740 contains:

- (4) disks in the CEC
- (10) disks in a FC #5802 (I/O drawer with disks)

(12)disks in a EXP12S  
(24) disks in a EXP24S How many disks can be reused with the S824'?

How many disks can be reused with the S824?

- A. 14
- B. 38
- C. 28
- D. 24

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 162**

Which command displays from which disk the operating system was last booted?

- A. last
- B. bosboot
- C. getconf
- D. bootlist



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 163**

The AIX hosts node1 and node2 have Ethernet adapters, both named ent0, configured on the same network. Both are dedicated physical 1GB adapter ports in a Host Ethernet Adapter. Based on this information and the output shown for each node, what is the most likely cause of intermittent failures and slow communication between these adapters?

```
# node1:\ lsattr -El ent0
alt_addr      0x0000000000000000  Alternate Ethernet address      True
flow_ctrl     no                  Request Transmit and Receive Flow Control True
jumbo_frames  no                  Request Transmit and Receive Jumbo Frames True
large_receive yes                 Enable receive TCP segment aggregation True
large_send    yes                 Enable hardware Transmit TCP segmentation True
media_speed   100_Full_Duplex    Requested media speed            True
multicore     yes                 Enable Multi-Core Scaling        True

# node2:\ lsattr -El ent0
alt_addr      0x0000000000000000  Alternate Ethernet address      True
flow_ctrl     no                  Request Transmit and Receive Flow Control True
jumbo_frames  no                  Request Transmit and Receive Jumbo Frames True
large_receive yes                 Enable receive TCP segment aggregation True
large_send    yes                 Enable hardware Transmit TCP segmentation True
media_speed   100_Full_Duplex    Requested media speed            True
multicore     yes                 Enable Multi-Core Scaling        True
```

- A. The jumbo\_frames setting is 'no' and should be set to 'yes'.
- B. The Multi-Core Scaling mode is enabled. Multi-Core Scaling is interfering with communications because the processor is too busy.
- C. The Shared Ethernet Adapter does not have enough bandwidth to accommodate the network traffic.
- D. The media speed is set differently on the adapters than the endpoints on the switch.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 164

Given the following information, why is an error returned when trying to unmount the filesystem /var/logs/tsm?

```

root@hostA:/var/logs# df -g
Filesystem      GB blocks      Free %Used      Iused %Iused Mounted on
/dev/hd4         0.19          0.01  95%        9876   77% /
/dev/hd2         1.94          0.16  92%       42186  50% /usr
/dev/hd9var      1.00          0.73  28%        5771   4% /var
/dev/hd3         1.00          0.97   3%         63     1% /tmp
/dev/hd1         0.06          0.06   1%         30     1% /home
/dev/hd11admin   0.12          0.12   1%          5     1% /admin
/proc            -             -      -          -      - /proc
/dev/hd10opt     1.00          0.35  66%       8557  10% /opt
/dev/livedump    0.25          0.25   1%          4     1% /var/adm/ras/livedump
/dev/fslv00     15.00         6.33  58%        789    1% /work
/dev/fslv01     1.00          0.99   1%          5     1% /var/logs
/dev/fslv02     1.00          1.00   1%          5     1% /var/logs/tsm
/dev/fslv03     1.00          0.99   1%          4     1% /var/logs/tsm/livelog
root@hostA:/var/logs# umount /var/logs/tsm
umount: 0506-349 Cannot unmount /dev/fslv02: The requested resource is busy.
root@hostA:/var/logs# grep -p /var/logs/tsm: /etc/filesystems
/var/logs/tsm:
    dev          = /dev/fslv02
    vfs          = jfs2
    log          = /dev/hd8
    mount        = true
    options      = rw
    account      = false
root@hostA:/var/logs#

```

- A. The child filesystem /var/logs/tsm/livelog is still mounted.
- B. The hd8 is still tied to the filesystem.
- C. The filesystem is of type mount=true so cannot be unmounted while the system is running
- D. The umount command is being run while inside the filesystem.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 165**

How can the emgr -l command be used?

- A. To list the currently configured Enterprise Management capabilities
- B. To help determine why a fileset is listed as EFIXLOCKED in Islpp output
- C. To determine if the Active Energy Manager is currently installed
- D. To determine if the Active Energy Manager is currently active

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 166**

A customer is willing to consolidate several servers running Oracle and DB2 databases from several departments on a single server, while keeping them administratively separate.

They are concerned about licensing after consolidation, because they are not willing to pay for Oracle licenses for the cores running DB2 and pay for DB2 licenses on cores running Oracle. What would be the best method to handle this situation, to make the environment compliant and achieve the customer demands?

- A. Create two capped LPARs, one for Oracle databases and other for DB2 databases, and make sure the LPARs have the right amount of cores assigned to them according to customer existing licenses
- B. Create one capped LPAR per consolidated server, on each LPAR profile page on the HMC select the corresponding database type, and make sure DB Isolation option is checked
- C. Create one uncapped LPAR per consolidated server, monitor CPU usage and keep a spreadsheet up-to-date to account for the databases licenses used for compliance audits.
- D. Create two Shared Processor Pools, one for Oracle and another for DB2, and consolidate the servers on distinct LPARs on the corresponding pool

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 167**

A customer has two Power 570 servers that need to be replaced to accommodate company growth.

.

The first server runs a transactional workload with high server usage during the day (8am-8pm)

.

The second server runs analytic queries based on the transactional data during the night (10pm-6am).

A technical sizing analysis determined that each server would require (18) POWER8 3.52GHz cores and 160GB RAM, considering the needed growth.

What would be the most cost-efficient way to satisfy the customer needs?

- A. (1) new Power S824 with 24 cores and 384GB and DLPAR CPU resources among LPARs
- B. (1) new Power 770 with 36 active cores and 384GB active, virtualized with capped LPARs
- C. (1) new Power S824 with 36 cores and 384GB, virtualized with capped LPARs.
- D. (2) new Power S824 with 20 cores and 192GB RAM each.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 168

What feature of IBM i prevents editing object code?

- A. Single level storage
- B. Integrated antivirus
- C. Authorization lists
- D. Object-Oriented Architecture



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference:

<http://www.ibm.com/developerworks/library/os-php-7oohabits/>

#### QUESTION 169

A customer requires each AIX or IBM i LPAR to have access to two different VLANs but without VLAN tagging. They plan to have dual VIO Servers on the same POWER8 system, using EtherChannel and SEA for each VLAN.

What is the minimum requirement to support the configuration?

- A. (2) quad port Ethernet adapters

- B. (4) quad port Ethernet adapters
- C. (2) dual port Ethernet adapters
- D. (4) dual port Ethernet adapters

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 170**

Which level of information does the mpstat command provide when run inside an LPAR?

- A. The simultaneous multi-threading LPAR profile setting.
- B. Overall managed system logical processors utilization.
- C. Performance statistics for all logical processors inside the LPAR.
- D. Number of online physical processors in the pool where the LPAR resides.

**Correct Answer:** C

**Section:** (none)

**Explanation**



**Explanation/Reference:**

#### **QUESTION 171**

A user wants to run a batch job repetitively, but requires that each invocation starts five hours after the previous run finishes. What strategy will accomplish this?

- A. Create a wrapper script that launches the job in the background and then sleeps for the designated period before launching it again.
- B. Submit the job with 'at', using the average run time of the job plus five hours as the interval.
- C. Add an entry to the crontab to submit the job every five hours.
- D. Create a file containing the job commands, using the 'at' command as the final line of the file.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 172**

Given the following crontab entry, when will the job run?

```
30 5 * 9 * /usr/local/bin/maintenance
```

- A. Every day in September at 05.30
- B. Every day at 05.00 and 09.00 for 30 days
- C. Every 30 minutes for the first 5 days in September
- D. Only on the 30th of May in 9 minute intervals

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <http://www.adminschoice.com/crontab-quick-reference>

**QUESTION 173**

What is the purpose of using tape drive special files?

- A. To specify an action during certain tape operations
- B. To eject tapes at the end of a tape operation
- C. To configure alternate pathing of tape devices
- D. To enable the tape SCSI Device Driver for a device



**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 174**

Why would an administrator need to change the type of a volume group (VG) to Scalable?

- A. An application requires physical partition sizes larger than 512MB.
- B. More than 128 physical volumes need to be added to the volume group.
- C. Performance requirements dictate using per VG pbuf pools.

D. More than one log logical volume is needed in the VG.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 175

An administrator has noticed that root receives email every day, stating that the Electronic Service Agent (ESA) has not been configured. The company does not use ESA and the administrator would like the daily emails to stop. How can this be achieved?

- A. Use SMIT to configure the Electronic Service Agent.
- B. Remove the entry generating the email from root's crontab.
- C. Have an IBM SSR add the ESA keys to the HMC.
- D. Order an MES for the system, specifying the feature code to refuse ESA.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 176

What command will designate /dev/hd7 as a secondary dump device which will remain configured after system reboot?

- A. dumpconf with persistent option
- B. dumpctrl with persistent option
- C. sysdumpdev command with persistent option
- D. cldump with persistent option.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 177

An administrator would like to update a VIO Server (VIOS) to the latest maintenance level. Which command, run from the restricted shell, will update the operating system on VIOS?

- A. vios\_update
- B. update\_all
- C. install-all
- D. updateios

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 178**

A client needs to analyze data in motion in order to be able to respond to millions of events as they happen per second.

Which offering will satisfy their requirement?

- A. IBM Infosphere Master Data Management
- B. IBM Infosphere Big Insights
- C. IBM Infosphere Clinical Analytics
- D. IBM Infosphere Streams



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 179**

The following information has been reported in an AIX error log:

LABEL: DMPCHK\_NOSPACE  
IDENTIFIER: F89FB899  
Date/Time: Mon 22 Aug 15:00:01 2011  
Sequence Number: 6  
Machine Id: 00E65BECF00  
Node Id: lpar1  
Class: O  
Type: PEND  
WPAR: Global  
Resource Name: dumpcheck  
Description  
The copy directory is too small.  
Probable Causes  
There is not enough free space in the file system containing the copy directory to accommodate the dump.  
Recommended Actions  
Increase the size of that file system.  
Detail Data  
File system name  
/var/adm/ras  
Current free space in kb 119740  
Current estimated dump size in kb 271564



How can the administrator prevent the error from reoccurring?

- A. Create a secondary dump device greater than 266MB
- B. Increase primary dump device size greater than 266MB
- C. Increase /var" file system to ensure it has a minimum of 266MB free space
- D. Increase "/var/adm/ras/livedump" file system to ensure it has a minimum of 266MB free space

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 180**

What is the difference between deferred and concurrent firmware updates?

- A. Deferred firmware can be applied concurrently but contains updates that affect the internal program load path, which are not activated until the next time the server is shut down and restarted.
- B. Concurrent firmware must be done on all LPARs in the frame at the same time. Deferred firmware can be loaded on each LPAR at a different time and only becomes active when the LPAR is shutdown and restarted.
- C. Deferred firmware can only be applied during an outage to the managed system as it will automatically shut the managed system down during its installation.
- D. Concurrent firmware is only for minor fixes to the system microcode while deferred firmware contains major fixes to the service processor.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 181**

A host has a single virtual Ethernet adapter (ent0) configured with only a default PVID, and the administrator is trying to determine why it cannot be used to reach any other system on the network. He suspects that it may be caused by a problem in the VLAN configuration.

How would the administrator determine the VLAN for which the adapter was configured?

- A. Use the command 'lsdev -l ent0' on the host to determine the port VLAN ID.
- B. Use the command 'lsattr-EI ent0' on the host to determine the port VLAN ID.
- C. Look on the HMC to determine which VLAN is configured for the adapter.
- D. Examine the Shared Ethernet Adapter on the Virtual I/O Server to determine which VLAN the adapter is using.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 182**

A customer is ordering a 4-core S814 with the following partitions. The default processor pool will be used.

.

An IBM i partition capped at 1.0 processors.

.

A second IBM i partition capped at 0.5 processors.

.

An AIX partition capped at 0.5 processors.

.

A Linux partition capped at 0.5 processors.

How many IBM i processor licenses are required to support this configuration?

- A. 3.0
- B. 2.0
- C. 1.0
- D. 4.0

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 183**

A customer needs faster response time from their database server and is considering purchasing POWERS. They are familiar with Easy Tier, and have heard that they can use it locally on some servers.

Which feature(s) would enable this function?

- A. Enhanced backplane (EJOP)
- B. Standard backplane (EJON)
- C. Enhanced backplane (EJOP) with the Split backplane feature (EJOS)
- D. Standard backplane (EJON) with optional SSD cage (EJTM)

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 184**

A customer will be using an S822L and PowerKVM. They want to know how they will attach a console to their machine over the network during installation.

Which console solution should they use?

- A. Virsh
- B. HMC
- C. IVM
- D. SOL

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 185**

Which of the following is a stand-alone offering in the PowerSC family, that provides a consolidated view of the virtual data center VM network isolation landscape?

- A. Real-time Compliance Management
- B. Trusted Surveyor
- C. Trusted Firewall
- D. Trusted Network Connect



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 186**

A customer wants to install a POWER8 tower system at a remote site. The system will run Red Hat Linux.

Which system is the best option for the requirement?

- A. S812L
- B. S822L

- C. S824
- D. S814

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 187**

A customer would like to consolidate their five AIX servers to one S822 server, in a virtual environment with two VIO Servers for boot drives.

What is the minimum requirement?

- A. IVM
- B. ASMI
- C. PuTTY
- D. HMC

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**



#### **QUESTION 188**

What does the numeral "4" represent in a model S824?

- A. The number of power supplies
- B. The number of installed cores
- C. The number of PCIe slots
- D. The number of rack EIA units.

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

It's right Answer.

**QUESTION 189**

A customer wants to use SAN FlashCopy with Geographic Mirroring to synchronize an IBM i application between two sites. It is required that the application can be halted and moved to the remote system without disrupting other applications.

Which of the following describes a required application characteristic to support these requirements?

- A. The application code and data must reside in an IBM i user Auxiliary Storage Pool (ASP).
- B. All the application data objects must be defined to remote journaling.
- C. The application code and data must reside in the IBM i system Auxiliary Storage Pool (ASP).
- D. The application code and data must reside in an IBM i Independent Auxiliary Storage Pool (ASP).

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 190**

In addition to the media slot , S824 GEC also integrates Which of the following ?

- A. (6) USB port
- B. (10) Gb HMC port
- C. an RDX module
- D. a half-height LTO drive slot

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 191**

Customers have a server using IVM as a logical partition management . They want to implement PowerVC.

Which PowerVC versions to meet the requirements ?

- A. PowerVC Entry

- B. PowerVC Express
- C. PowerVC Standard
- D. PowerUC Enterprise

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 192**

SAN team hopes customers will easily be able to map each LUN to a specific WWPN for each client logical partition on the Power8 server.

Which technology should be implemented to meet the requirements ?

- A. SAS
- B. NPIV
- C. iSCSI
- D. vSCSI

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 193**

As compared to POWER7/7+, what feature of POWER8 processor technology enables more efficient processor utilization in support of highly threaded applications?

- A. Decimal floating point execution
- B. Simultaneous Multi-Threading
- C. Out of order execution
- D. Single precision floating point

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 194**

What virtualization management solution will allow a customer to implement Ubuntu, Red Hat and SUSE distributions on POWER8 scale-out servers?

- A. PowerKVM
- B. PowerVC
- C. PowerVM
- D. Linux on Power (LoP)

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 195**

Which technology provides simple virtualization for Ethernet, with quality of service controls that specify minimum bandwidth per partition?

- A. SR-IOV (Single Root I/O Virtualization)
- B. SEA (Shared Ethernet Adapter)
- C. HEA (Host Ethernet Adapter)
- D. CNA (Converged Network Adapter)

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 196**

A customer has a requirement for four partitions, each with 1TB of Storage They want to put a new S814 machine in. but only have 4U available in the rack.

Which POWER8 option accomplishes this?

- A. Order a 6-core machine with the Expanded Function backplane with (18) SFF SAS 283GB drives, all the drives owned by VIO Server and then

allocated to each partition.

- B. Order a 6-core machine with the Split backplane, with each side having (4) 283GB drives for two partitions and two sets of EJ03 Disk Controllers each connected to a 5887 with (4) 283GB disks each for the other two partitions.
- C. Order a4-core machine with the Expanded Function backplane with (10) SFF SAS 571GB drives, all the drives owned by VIO Server and then allocated to each partition.
- D. Order a 4-core machine with the Split backplane with (18) SFF SAS 283GB drives, all the drives owned by VIO Server and then allocated to each partition.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 197

A customer consolidated several environments running IBM i, Linux and AIX into an S824. Now the system's installed memory is insufficient. The customer believes that the Active Memory Expansion feature may resolve the memory issue.

Which of the following operating systems is capable of using the compression and decompression technology to resolve the issue?

- A. AIX
- B. IBMi
- C. Red Hat
- D. SUSE

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 198

A new naming guideline requires the existing volume group, db2vg on hdisk1, be renamed to db2logsvg01. Which command sequence will accomplish this with the least downtime?

- A. varyoffvg db2vg exportvg db2vg importvg -y db2logsvg01 hdisk1
- B. odmupdate -q VGNAME db2vg db2logsvg01 sync db2vg db2logsvg01 varyonvg db2logsvg01 hdisk1
- C. varyoffvg db2vg chvg -a name db2vg db2logsvg01 varyonvg db2vg hdisk1

D. savevg db2vg rmvg db2vg mkvg -y db2logsvg0l hdisk1 restvg hdisk1

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 199

Based on the following output, what must be done if loglv1 name is changed to db2loglv?

```
# lsvg -l dbvg
```

```
dbvg:
LV NAME  TYPE          LPS   PPS   PVS   LV STATE      MOUNT POINT
loglv1   jfs2log       1     2     2     closed/syncd  N/A
dblv01   jfs2 128      256   2     2     closed/syncd  /exportfs/db01
```

- A. Run the chfs command to update /exportfs/db01 logging logical volume to db2loglv.
- B. Run the logform command to update the log format of db2loglv.
- C. Run the chlv command to update dblv01 logging logical volume to db2loglv.
- D. Run the chvg command to update volume group default logging logical volume to db2loglv.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 200

What is the supported process to correct filesystem corruption which prevents a normal boot?

- A. Boot the system into a maintenance shell Access the volume group and start a shell before mounting the file systems Run fsck on the rootvg filesystems Exit shell Sync and reboot
- B. Boot the system into a maintenance shell Access the volume group and start a shell Run fsck on the rootvg filesystems Exit shell Sync and reboot
- C. Boot the system into a restricted shell Access the volume group and start a shell before mounting the file systems Run fsck on the rootvg filesystems Exit shell Sync and reboot

D. Boot the system into a restricted shell Access the volume group and start a shell Run fsck on the rootvg filesystems Exit shell Sync and reboot

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 201

An administrator has issued the command to start IBM Systems Director server. The administrator wants to view the changing status to see when it becomes active. How can this be accomplished?

- A. smcli-check
- B. isdstat-m
- C. smstatus-r
- D. lwistat-c

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 202

A company has numerous LPARs hosting database servers, and three versions of the DBMS deployed in the environment. A critical APAR fixes data corruption for one version of the database, but it requires a server reboot. The only inventory information available is a spreadsheet with every LPAR's hostname and root password.

Which sequence of tasks will determine which servers are missing the critical APAR, and only apply it to the servers running the affected level of the database?

- A. Use the spreadsheet to populate the /etc/hosts file on the management node.  
Configure a NIM server that has the APAR in an lpp\_source.  
Force-register all of the LPARs with the NIM server.  
Use NIM group operations to install the APAR and boot at a scheduled time.
- B. Use the spreadsheet to create a dsh node list.  
Use dsh with lspp to create a node list for LPARs needing the APAR.  
Use dcp and dsh to install the APAR and reboot.
- C. Configure a Systems Director server using the spreadsheet import function.

Use the inventory function to discover the database level and APAR status.  
Use the Update Manager to apply the APAR to the affected LPARs and reboot.

- D. Use the spreadsheet to create a dsh node list.  
Use dcp and dsh to install the APAR.  
Use dsh to reboot the systems.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 203

Users on a server are receiving errors stating that they cannot fork any additional processes. The administrator checks server paging space and finds that it is only 5% used. What is the next most likely cause of the forking issue and what action should be taken to resolve it?

- A. Corruption has occurred to the bos.rte.control fileset. Reinstall the fileset with the -f option.  
B. The number of fixed licenses has been reached. Use 'chlicense' to increase the limit and reboot the system.  
C. System requires additional table space as well as paging space. Check the table space and increase as required.  
D. The system has the default maxuproc system attribute. This should be increased to a value appropriate for the environment.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 204

While trying to extend a filesystem /work an administrator receives the following error: 0516- 787 extendlv: Maximum allocation for logical volume fslv00 is 256. What must be done to allow the filesystem to be extended?

- A. Change the filesystem option of maxsz to 512 for the filesystem /work with the command chfs -a maxsz=512 /work.  
B. Change the maximum Logical Partitions to 512forthe fslv00 with the command chlvs -x512fslv00.  
C. Change the volume groups maximum Logical Partitions per Logical Volume to 512 with the chvg -t 512 vg01.  
D. Change the logical volume type to jfs2 as jfs logical volumes cannot extend passed 256 with the command chfs -v jfs2 -m /work.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 205**

An administrator has been asked to consolidate disks on an LPAR. Given the following information, which group of actions will remove unneeded disk?

```
datavg:
PV_NAME      PV STATE      TOTAL PPs   FREE PPs
hdisk2       active        599         159
hdisk3       active        399         399
```

- A. Migrate physical partitions from hdisk2 to hdisk3  
Remove hdisk2 from datavg  
Use rmdevto permanently remove hdisk3
- B. Remove hdi sk3 from datavg  
Use rmdevto permanently remove hdisk3
- C. Export datavg  
Use rmdevto permanently remove hdisk3  
re-import db2vg03
- D. Vary off datavg  
Use rmdevto permanently remove hdisk3  
varyonvg dbvg02

**Correct Answer: B****Section: (none)****Explanation****Explanation/Reference:****QUESTION 206**

An administrator wants to create a filesystem with a specific logical volume name, disk location, and disk placement. Which pair of commands will allow these attributes to be set during filesystem creation?

- A. crfs followed by chvg
- B. crlv followed by mkfs
- C. mkfs followed by chfs
- D. mklv followed by crfs

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 207**

In addition to an available DVD drive and 5GB disk space, what are the minimum server and LPAR requirements to install AIX 7.1 from DVD media?

- A. IBM PowerPC 970, POWER4, POWER5, POWER6 or POWER7 Server 512MB Memory
- B. IBM PowerPC 970, POWER4, POWER5, POWER6 or POWER7 Server 1024MB Memory
- C. IBM POWER4, POWER5, POWER6 or POWER7 Server 512MB Memory
- D. IBM POWER4, POWER5, POWER6 or POWER7 Server 1024MB Memory 3015

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 208**

A POWER5 520 system is being cloned onto a Power 780. The source system is on internal disks, and the vg01 volume group is mirrored. After installing AIX, which sequence of actions will recreate the vg01 volume group and restore data on the new system?

- A. Have all the applications shut down.  
Create a backup of each filesystem to an NFS mount using the backup command.  
Restore the filesystem backups with the restorevgfiles command.
- B. Create a backup onto an NFS server using the mksysb command and referencing the correct data volume group Restore the backup of vg01 with the smit fast path smit restmksysb.
- C. Have all applications shut down.  
Use the savevg command to create a backup of the data volume group to an NFS mount.  
Restore the savevg on the clone system with the restvg command.
- D. Shut down all application running from the data volume group.  
Run the cpio command to write the file to a local NFS server.  
Restore command with the backup to recreate vg01.

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 209**

What TWO situations require a Systems Director Management Console (SDMC) instead of a Hardware Management Console (HMC)?  
(Select 2)

- A. Managing POWER5, POWER6 and POWER7 servers from one interface.
- B. Creating automation plans that perform specific functions on a given event.
- C. Implementing Active Memory Sharing (AMS).
- D. Utilizing Integrated Virtualization Manager (IVM) to manage Power Systems blades.
- E. Managing Power Blades and Power Systems standalone servers from one interface.

**Correct Answer:** BE

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 210**

Which system management tool could be used to deploy corrective service to multiple HMCs?

- A. Distributed Systems Manager
- B. Network Installation Manager
- C. IBM Systems Director
- D. Cluster Systems Manager

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 211**

An administrator needs to determine if system microcode is at the most current level. Which tool will identify current microcode levels, and provide an output file which can be used by the IBM Microcode Discovery Service (MDS) for comparison?

- A. FLRT
- B. invscout
- C. lsmcode
- D. prtconf
- E. urncode\_latest

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 212**

An administrator was told to reverse the search order of a working DNS lookup. During application testing it was discovered that network resolution was not working for the end users. Given the following output, what is the most likely cause?



```
$ mv /etc/resolv.conf /etc/resolv.conf.bak
$ cp /etc/resolv.conf.bak /etc/resolv.conf
$ vi /etc/resolv.conf
$ cat /etc/resolv.conf.bak
nameserver      10.1.10.12
nameserver      10.1.10.72
domain agyslab.com
$ cat /etc/resolv.conf
nameserver      10.1.10.72
nameserver      10.1.10.12
domain agyslab.com
$ ping db2n1
ping: host name db2n1 NOT FOUND
$ ls -l /etc/resolv.conf*
--w--w--w-    1 root      system      63 Oct  3 10:43 /etc/resolv.conf
-rw-r--r--    1 root      system      63 May 17 10:57 /etc/resolv.conf.bak
-rw-r--r--    1 root      system      63 May 17 10:57 /etc/resolv.conf.orig
$ tail -4 /etc/netsvc.conf
# Example:
# aliases = nis, files
#
hosts=local,bind4
$ █
```

- A. The first DNS server is unreachable.
- B. The netsvc.conf has the incorrect host lookup order.
- C. Incorrect file permissions on the/etc/resolv.conf file.
- D. The host is not on the network.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 213**

A system administrator needs to create a new volume group (VG) which will contain 100 physical volumes. The physical volumes are 10GB in size. The company plans to increase from 100 to 150 physical volumes over a two year period. To ensure the VG can meet initial demand and grow without requiring changes at later date, what type of VG should be created?

- A. Create VG as a Big volume group.
- B. Create a volume group setting each physical partition size to 1024 MB.
- C. Create VG as a Scalable volume group.
- D. Create VG using the t-factor attribute

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 214**

An AIX LPAR has virtual disks presented by a VIO Server and the administrator would like to determine the size of hdisk0. Which command will show this information?

- A. lsdev
- B. lquervpv
- C. lsattr
- D. getconf
- E. lscfq

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 215**

A system is being taken from AIX 6 to AIX 7. Systems application and user data must be preserved. Which upgrade method will support this requirement?

- A. Migration

- B. Preservation
- C. New and Complete Overwrite
- D. NIM customization with a mksysb

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 216**

Given the this output of the lparstat -i' command from an LPAR, which statement is true?

```
10.1.30.49 - PuTTY
Mode : Uncapped
Entitled Capacity : 0.40
Partition Group-ID : 32774
Shared Pool ID : 0
Online Virtual CPUs : 2
Maximum Virtual CPUs : 3
Minimum Virtual CPUs : 1
Online Memory : 4096 MB
Maximum Memory : 6144 MB
Minimum Memory : 2048 MB
Variable Capacity Weight : 128
Minimum Capacity : 0.10
Maximum Capacity : 1.00
Capacity Increment : 0.01
Maximum Physical CPUs in system : 16
Active Physical CPUs in system : 8
Active CPUs in Pool : 8
Shared Physical CPUs in system : 8
Maximum Capacity of Pool : 800
Entitled Capacity of Pool : 676
Unallocated Capacity : 0.00
Physical CPU Percentage : 20.00%
Unallocated Weight : 0
```

- A. There are 8 physical CPUs installed configured into 2 processor pools.
- B. All active CPUs are dedicated to this LPAR.
- C. There are 8 active CPUs available for sharing and another 8 active for dedicated use

- D. The LPAR can automatically use up to 8 physical CPUs.
- E. The LPAR can utilize processing capacity from any of the active CPUs.

**Correct Answer:** E

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 217**

Automated scripts on an AIX system require secure non-root access to another AIX instance. Secure Shell (SSH) was the method chosen and installed on both systems. How can an administrator use SSH to create secure automated jobs without storing passwords in the automated scripts?

- A. issue ssh-keygen -t dsa on the source as non-root user append source id\_dsa.pub contents to target /etc/ssh/sshd\_config file restart sshd daemon
- B. issue ssh-keygen -t dsa on the source as root append source id\_dsa.pub contents to /etc/ssh/ssh\_config file on the target restart sshd daemon
- C. issue ssh-keygen -t dsa on the source as non-root user append source id\_dsa.pub contents to the authorized\_keys file on the target restart sshd daemon
- D. issue ssh-keygen -t dsa on the source as non-root user append source id\_dsa.pub contents to the authorized\_keys file on the target

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 218**

A customer currently is running a POWER7 6-core 720 with 3 IBM i cores for production, and utilizing PowerHA to a POWER6 2-core server as their backup machine.

The production machine also has unlimited users, IBM i Access users, SQL, and ILE Compilers. They are only using the backup machine to do backups, but it is not a CBU; it has only one IBM i and one licensed PowerHA core.

The customer wants the backup server to have the same capacity as the production server so it can be a true high availability server.

Which of the following is the correct course of action at the least cost?

- A. Upgrade the POWER6 to a POWER7.  
Add two additional IBM i and PowerHA Licenses, IBM i and IBM i Access users SQL and ILE Compilers
- B. Upgrade both servers to POWER8 and transfer all the software to the new POWER8 servers.
- C. Purchase a new POWER8 to replace the POWER6 server and transfer the software from the POWER6 Designate the POWER8 as a CBU to the

POWER7.

- D. Purchase two new POWER8 servers designating one of them as a CBU.  
Transfer all the software from the POWER7 to one of the POWER8 servers and all the IBM i and PowerHA software from the POWER6 to the other POWER8 server.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 219

What is the number of threads that can be processed for maximum throughput on a POWER8 core?

- A. 12
- B. 4
- C. 8
- D. 2

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



### QUESTION 220

A customer is setting up two new partitions where IBM i is hosting the storage. The customer's high priority is to complete the backups to physical tape as fast as possible, while automating the movement of the single tape library between the partitions. Tape library functions are needed for the backup.

Which combination of storage virtualization will achieve the customer's backup priority?"

- A. One very large virtual disk unit sized to fit the partition with a virtual iSCSI interface to the tape library.
- B. Virtual disk units sized to provide 10 disk units, with the tape and DVD virtualized by IBM i.
- C. Larger virtual disk units and a SAS adapter on each partition, with dual SAS adapter on the tapelibrary.
- D. At least six virtual disk units with the tape drive virtualized with VIO Server and NPIV

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 221**

A customer with IBM i and AIX platforms wants to take advantage of a recently acquired XIV Storage System, TS3500 and POWERS system. They are planning to implement 10 LPARs and need to have access to the tape library for SAN backups. The customer also wants to minimize the downtime by VIO Server maintenance.

Which option will satisfy their requirements?

- A. (1)VIO Server, LPARs using SSP for disks, and NPIV for tape library
- B. (2) VIO Servers, All LPARs using NPIV virtualization
- C. (2) VIO Servers, LPARs using vSCSI for disks, and NPIV for tape library
- D. (1) VIO Server, LPARs using vSCSI for disks, and NPIV for tape library Manage the VIO Server updates with alternate disk update method

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 222**

How can system software charges be reduced when migrating from POWER6 to a POWER8 Scale-out server?

- A. Only activate the necessary cores.
- B. Select the per-socket licensing model.
- C. Configure the system with POWER8 Dual-Core Modules (DCM)
- D. Disable all un-needed cores with Processor Deconfiguration.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 223**

A large manufacturer wants to consolidate their existing AIX and Linux environments to POWER8. The customer has four AIX servers and twelve Ubuntu servers.

Which solution will satisfy the requirements?

- A. (1) S822L with PowerKVM
- B. (1)S822 with PowerVM and (1)S822L with PowerKVM
- C. (1) S822L with PowerVM
- D. (1) S822 with PowerVM and PowerKVM

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 224**

A customer is interested in migrating Little Endian (LE) Linux workloads to POWERS servers running PowerKVM.

Which Linux distribution will satisfy the requirement?

- A. Ubuntu
- B. RedHat
- C. CentOS
- D. SUSE



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 225**

A customer with POWER8 processor-based systems needs an application server that supports environments from single server and medium-sized configurations, to large deployments requiring tier clustering over multiple application server instances. Which IBM product family will satisfy the customer's requirements?

- A. Rational
- B. WebSphere
- C. Information Management

D. Cognos

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Valid Answer.

#### **QUESTION 226**

An existing client LPAR has been manually moved from one physical machine to another. The administrator updated the SAN zoning to deallocate from the source VIO Server and allocate to the destination VIO Server. The LPAR and its profile were recreated on the HMC and the single disk is mapped from the VIO Server to the LPAR.

What manual intervention is required after activating the LPAR?

- A. Select a boot device.
- B. Correct the system clock.
- C. Correct the terminal type.
- D. Import non-root volume groups

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 227**

The following verification routine is part of a script used to automate cloning rootvg. This routine determines which disks are available for use. Applying the logic, what configuration of disk would be selected by the script as a candidate?

```
#!/bin/ksh
CLONING_DISKS=`lspv|awk {'print $1'}`
DISKCOUNT=0
DISTSTOUSE=
echo "\nclone_rootvg started `date`."
for i in $CLONING_DISKS
do
    DISKCHECK=`lsdev -l ${i}|grep -i -E "sas|scsi"`
    DISKINUSE=`lspv|grep ${i}|awk {'print $3'}|grep -E "None|altinst_rootvg"`
    if [ -z "$DISKCHECK" ] || [ -z "$DISKINUSE" ]
    then
        echo "Disk ${i} is already inuse. Checking others..."
    else
        DISKTOUSE="$DISKTOUSE $i"
        DISKCOUNT=`expre $DISKCOUNT + 1`
    fi
done
```

- A. A SAN disk virtualized by NPIV.
- B. A local physical SAS drive, currently a member of the vg00 volume group.
- C. A physical SATA disk drive, currently containing the altinst\_rootvg volume group.
- D. A SAN disk virtualized as a Virtual SCSI disk, currently not part of a volume group

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 228

A company has combined multiple Web servers into one AIX LPAR with a single physical network connection. How can AIX be configured with multiple IP addresses on the same physical connection?

- A. Add the additional IP addresses as aliases in DNS.
- B. Add the IP addresses to the primary hostname line in /etc/hosts.
- C. Add the additional IP addresses as aliases to the network connection.
- D. Assign the IP addresses to virtual Ethernet adapters and map them to the physical network connection.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 229**

Which option explains why a user-created local filesystem does not automatically mount when the system boots?

- A. No port is specified for mountd in/etc/services.
- B. The filesystem does not belong to a mount group.
- C. The mount filesystem attribute is missing in /etc/filesystems.
- D. The portmap daemon is not configured to start in /etc/inetd.conf.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 230**

Given the following characteristics, tuning which resource will provide the greatest benefit? CPU=80% busy

Physical Memory=90% used

Disks=80% busy

Network=80% used

Filesystemsare90%full.

- A. Memory
- B. Network
- C. Disks
- D. Filesystems

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 231**

The system administrator ran the following command to backup his image repository, but nothing was backed up to the file. Why?  
`find /media -print | backup -l-f-p /dev/rmt0`

- A. The block size was not specified.
- B. The files in the directory are larger than 2GB.
- C. The tape was not positioned the beginning of the tape.
- D. The tape was not formatted.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 232**

An administrator created logical volume fs01l to contain a JFS2 file system. When trying to create the filesystem the `crfs` command gives an error. Given the following logical volume definition, which action will correct the error?

LOGICAL VOLUME:	fs01lv	VOLUME GROUP:	rootvg
LV IDENTIFIER:	000a8a920000d9000000012f7af1f1ce9714	PERMISSION:	read/write
VG STATE:	active/complete	LV STATE:	closed/syncd
TYPE:	jfs	WRITE VERIFY:	off
MAX LPs:	512	PP SIZE:	512 megabyte(s)
COPIES:	1	SCHED POLICY:	parallel
LPs:	5	PPs:	5
STALE PPs:	0	BB POLICY:	relocatable
INTER-POLICY:	minimum	RELOCATABLE:	yes
INTRA-POLICY:	middle	UPPER BOUND:	32
MOUNT POINT:	N/A	LABEL:	None
MIRROR WRITE CONSISTENCY:	on/ACTIVE		
EACH LP COPY ON A SEPARATE PV ?:	yes		
Serialize IO ?:	NO		

- A. `crfs -vjfs2 -m /fs01 -d /dev/fs01lv`
- B. `mkiv-tjfs2-yfs01lrootvg5`
- C. `chdev-lfs01lv-atype=jfs2`
- D. `chlv-tjfs2fs01lv`

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

### QUESTION 233

An administrator has logged in as root but is unable to run the ksh script named rperf. Given the following information, how could this be fixed?

```
# ls -l
total 64
-rw-r--r--  1 root    system    1165 Sep 18 23:22 errpt_notify
-r--r--r--  1 bin     bin       622 Sep 18 23:22 lsc
-rwx-----T 1 538804364 staff    343 Sep 18 23:22 rootvg_size_check
-rw-r--r--  1 nobody  staff    13662 Sep 18 23:22 rperf
-rwx-----  1 root    staff     55 Sep 18 23:22 ssh
#
```

- A. Change the parent directory to be executable
- B. Change the owner of the script to root
- C. Change the file to be of extension ksh
- D. Change the permissions to 700



**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

### QUESTION 234

Which technology provides virtual machine dedicated virtual resources, improve QoS, remove the I / O virtualization load ?

- A. PowerVM
- B. CNA ( converged network adapters )
- C. FCoE( Fiber Ethernet protocol run )
- D. SR-IOV ( single point of management I / O virtualization )

**Correct Answer:** D

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Accurate Answer.

**QUESTION 235**

A customer is ordering a 4-core S814 with the following partitions:

An IBM i partition capped at 1.0 processors

A second IBM i partition capped at 0.5 processors, running a Web Sphere application.

An AIX partition capped at 0.5 processors.

A Linux partition capped at 0.5 processors.

How many WebSphere licenses are required to support this configuration?

- A. 4.0
- B. 1.0
- C. 30
- D. 2.0

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



**QUESTION 236**

A customer wants to have an AIX PowerHA cluster span two sites separated by 100 kilometers.

Which option will span the two sites?

- A. PowerHA SystemMirror Standard Edition
- B. PowerHA SystemMirror Enterprise Edition
- C. PowerHA Smart Assists
- D. Power HA Cluster Aware AIX

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 237**

A customer would like a Scale-out server solution with eight cores. They require three partitions. Each partition needs redundant LAN and SAN adapters.

Which solution supports the minimum requirement?

- A. (2) 146GB disk drives  
(2) 4-port LAN  
(2) 4-port SAN adapters
- B. (6) 146GB disk drives  
(6) 4-port LAN  
(6) 4-port SAN adapters
- C. 14) 146GB disk drives  
(4) 4-port LAN  
(4) 4-port SAN adapters  
(2) VIO Servers
- D. (2) 146GB disk drives  
(2) 4-port LAN  
(2) 4-port SAN adapters  
(1) VIO Server



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 238**

A failed disk has been replaced. The administrator wants to purge the references to the failure from the AIX error. The errors reported had an SRN of 16F35C72. How can the old errors be removed from the error log?

- A. errpt-d-j 16F35C72
- B. errclear-j 16F35C72
- C. errlogger-r-j 16F35C72
- D. errmsg-d-j 16F35C72

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 239**

An administrator has used setsecattr to associate authorizations with an AIX command. The appropriate stanza has been added to the privileged commands database (/etc/security/privcmds). What must be done before the new authorization can be used?

- A. Run the setkst command to update the kernel security tables.
- B. Assign a new role that the authorization can be associated with and reboot.
- C. Activate the change in the security database with the updateauths command.
- D. Run the refreshsrc -g RBAC command to make the changes effective.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 240**

Where is the file size limit for all users defined?

- A. /etc/security/environ
- B. /etc/security/limits
- C. /etc/security/environments
- D. /etc/environment

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 241**

A volume group is mirrored to two external storage systems. One of the storage systems is rebooted for maintenance. After the storage system is up and available, lsvg shows a disk in a missing state:

datavg:

PV_NAME	PV STATE	TOTAL PPs	FREE PPs	FREE DISTRIBUTION
hdisk1	active	788	0	00..00..00..00..00
hdisk2	missing	788	0	00..00..00..00..00

What command will change the PV STATE from missing to active?

- A. varyonvg
- B. chpv
- C. cfgmgr
- D. chdev
- E. syncvg

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 242

What action does the following command perform for a new AIX hdisk, hdisk1 ?

```
chdev -l hdisk1 -a pv=yes
```

- A. Makes the disk available for use
- B. Changes the existing pvid on the disk to Yes'
- C. Sets the physical volume identifier
- D. Clears volume group locks
- E. Resets the volume group descriptor area

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 243**

A physical LPAR has a failed Fibre Channel adapter, which was providing redundant SAN access. What is a prerequisite for using the Replace/Remove task of the PCI Hot Plug Manager?

- A. Verify HMC RMC connectivity.
- B. Unconfigure the adapter and child devices.
- C. Make sure a spare adapter slot is available.
- D. Provide additional SAN cabling.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 244**

On AIX 7, which command will list a summary of the issues detected by Electronic Service Agent?

- A. esacli errpt
- B. esacli problem
- C. esacli status
- D. esacli activity



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 245**

An administrator needs to limit the size of the filesystem cache. Which tuning parameters need to be adjusted?

- A. minfree and maxfree
- B. minperm and maxperm
- C. minfreemem and maxfreemem
- D. minpgahead and maxpgahead
- E. sb\_min and sb\_max

Correct Answer: E

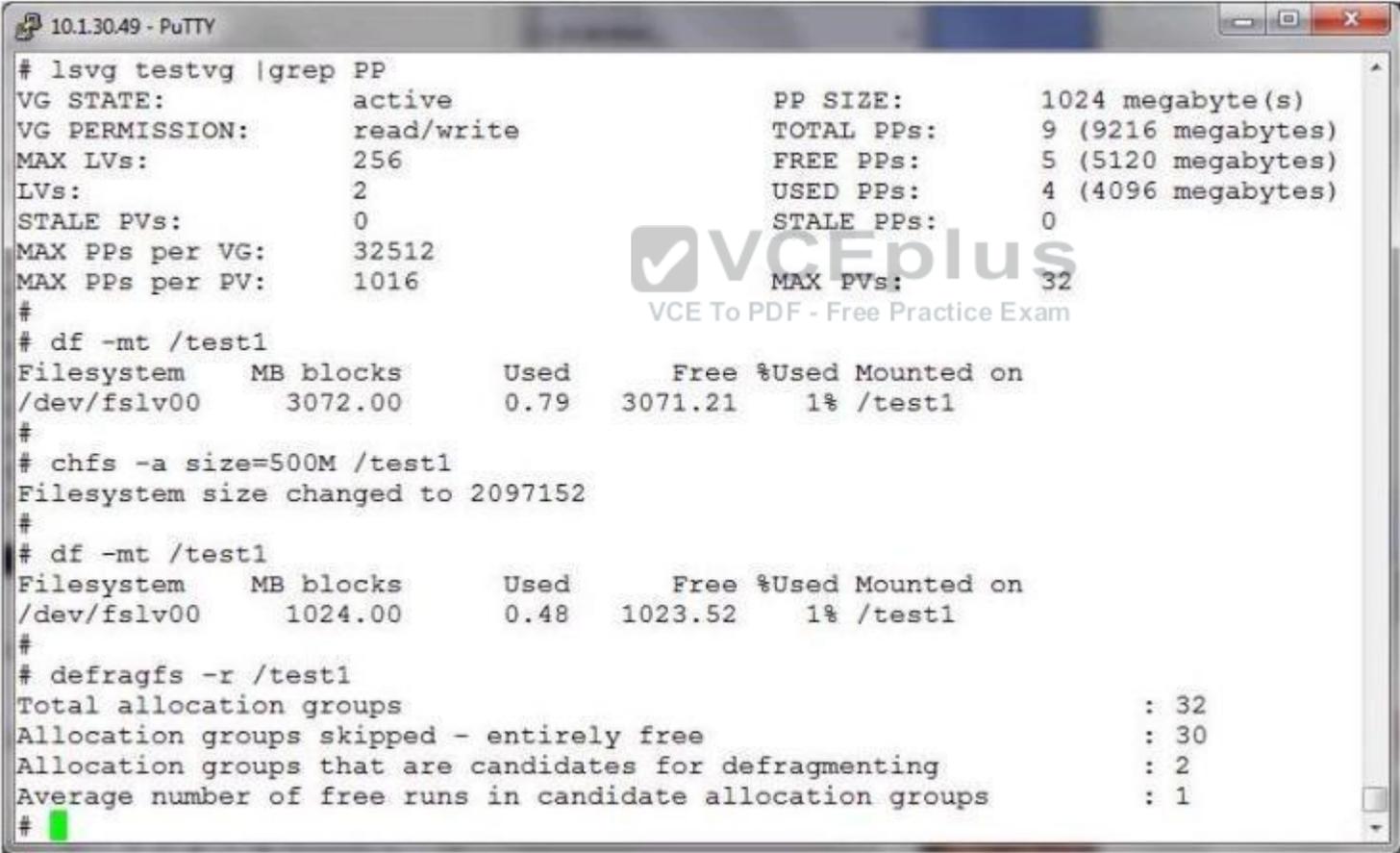
Section: (none)

Explanation

Explanation/Reference:

#### QUESTION 246

The /test1 filesystem was built larger than required. An effort to shrink the filesystem was made, but the resulting filesystem size is larger than the size specified. Given the following output, what is the most likely reason?



```
10.1.30.49 - PuTTY
# lsvg testvg |grep PP
VG STATE:                active          PP SIZE:                1024 megabyte(s)
VG PERMISSION:           read/write     TOTAL PPs:              9 (9216 megabytes)
MAX LVs:                  256          FREE PPs:               5 (5120 megabytes)
LVs:                      2            USED PPs:               4 (4096 megabytes)
STALE PVs:                0            STALE PPs:              0
MAX PPs per VG:          32512        MAX PVs:                32
MAX PPs per PV:          1016
#
# df -mt /test1
Filesystem    MB blocks    Used    Free %Used Mounted on
/dev/fslv00   3072.00      0.79   3071.21  1% /test1
#
# chfs -a size=500M /test1
Filesystem size changed to 2097152
#
# df -mt /test1
Filesystem    MB blocks    Used    Free %Used Mounted on
/dev/fslv00   1024.00      0.48   1023.52  1% /test1
#
# defragfs -r /test1
Total allocation groups                : 32
Allocation groups skipped - entirely free : 30
Allocation groups that are candidates for defragmenting : 2
Average number of free runs in candidate allocation groups : 1
#
```

- A. Fragmentation of the filesystem
- B. The physical partition size
- C. Amount of data in the filesystem
- D. Volume group status
- E. Options chosen with the df command

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 247**

What action will prevent the nfsd subsystem from activating at boot time?

- A. Update /etc/inetd.conf to remove the call to startsrc for the NFS subsystem group.
- B. Change the Action attribute from 'wait' to 'once' for the rcnfs line within the /etc/inittab.
- C. Remove the /etc/exports file.
- D. Amend the permissions of /etc/rc.tcpip file to remove execution rights.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 248**

Which option will prevent users in the DBA group from logging in using telnet or rlogin?

- A. Set the rlogin user attribute to 'false1' for each user in the DBA group.
- B. Change the rlogin group attribute to 'false'.
- C. Remove the users in the DBA group from the /.rhosts file.
- D. Disable the automatic start up of the telnetd daemon.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 249**

Where is Cluster Aware AIX cluster configuration data stored?

- A. A shared disk that is accessible from all nodes
- B. A NFS filesystem that is accessible by all nodes
- C. A shared system pool that is accessible by all nodes
- D. A master copy on one node and the data is replicated to the local disk of the other nodes

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 250**

Which of the following statements correctly describes a difference between the S814 and S824?

- A. The S814 is a tower server and the S824 can be either a tower or rackmounted server
- B. The S814 has one socket and the S824 has up to two sockets
- C. The S814 can have one or two sockets and the S824 has four sockets.
- D. The S814 uses 1U of rack space andthe S824 uses 2U of rack space.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 251**

A customer wants to be able to automatically failover their Power System nodes that are running AIX in the event of a disaster. The customer will place the servers in No data centers that are in different geographies

Which IBM product will satisfy the customer's requirement?

- A. IBM Metro Mirror
- B. PowerHA SystemMirror for AIX Enterprise Edition

- C. Geographic Logical Volume Manager
- D. General Parallel File System (GPFS)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Coorected.

#### **QUESTION 252**

An AIX customer plans to boot their LPARs from the SAN and wants the ability to easily update multipathing software in their VIO Server clients.

Which disk option should be used for their rootvg?

- A. NPIV
- B. vSCSI
- C. NFS
- D. iSCSI

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 253**

What is required to implement Live Partition Mobility (LPM)?

- A. The source and destination servers should access the same fabrics.
- B. The source and destination servers should be managed by the same HMC.
- C. The source and destination servers must have the same quantity of Virtual I/O Servers.
- D. All LPARs should have the same vendor Storage Subsystem

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 254**

Which Power Systems tool uses published benchmark data to create a simple cost comparison between Scale-out and x86 servers?

- A. Quick Reference Tool
- B. Workload Estimator Tool
- C. TCA-TCO Seller Tool
- D. Server Consolidation Tool

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 255**

Which power option is provided with the S822?

- A. (1)1400 Watt 200-240 Volt
- B. (2) 1400 Watt 200-240 Volt
- C. (2)1400 Watt 125-240 Volt
- D. (1)1400 Watt 125-240 Volt



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 256**

A customer will be consolidating a number of IBM i and AIX partitions from several older servers onto an existing S824. These partitions are parts of various operating groups within the customer and require connectivity to various private networks and network redundancy. The server utilizes SAN Storage and dualVIO Server partitions.

Which solution satisfies the customer's requirements?

- A. Add two additional VIO Server partitions each with a quad port Ethernet card. Create an SEA in VIO Server to each port of the Ethernet card. Configure virtual Ethernet connections to the VIO Server partitions for each SEA with one flagged priority

- B. Utilize two of the IBM i Partitions to bridge to the outside Attach a quad port Ethernet IOA to each partition and bridge the ports lo internal VLANs needed by the guest partitions.
- C. Add two SR-IOV capable Ethernet adapters.  
Allocate each of them to the partitions and create the connections to the correct VLANs as needed.
- D. In the existing VIO Server partitions, add a quad port Ethernet card. Create an SEA in VIOS to each port of the Ethernet card. Configure virtual Ethernet connections to the VIO Server partitions for each SEA with one flaggedpriority.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

The correction is added.

#### **QUESTION 257**

What is used to provide basic deployment and management firmware updates, host monitoring and Virtual Machine templates of PowerKVM hosts from a GUI?

- A. virsh
- B. PowerVC
- C. Kimchi
- D. HMC



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 258**

A customer has a Power System S824 server with the following components:

- .
- (1) 8-core 4.15 GHz POWER8 processor
- .
- (1) 8 Gigabit PCI Express Dual Port Fibre Channel adapter .
- (1) PCIe2 Quad Port 1GbE adapter
- .
- PowerVM Standard Edition
- .
- (1) VIO Server using one core, and (7) guest LPARs each using one core

The customer needs to add a redundant VIO Server and implement another three LPARs, each with one core.

In addition to one 8 Gigabit PCI Express Dual Port Fibre Channel adapter, which of the following components must be ordered to satisfy the minimum requirement?

- A. (1) 4-core POWER8 processor  
(1) PCIe2 Quad Port 1GbE adapter  
(4) licenses of PowerVM Express Edition
- B. (1) 4-core POWER8 processor  
(1) PCIe2 Quad Port 1GbE adapter  
(4) licenses of PowerVM Standard Edition
- C. (1) 8-core POWER8 processor  
(1) PCIe2 Quad Port 1GbE adapter  
(16) licenses of PowerVM Enterprise Edition
- D. (1) 8-core POWER8 processor  
(1) PCIe2 Quad Port 1GbE adapter  
(8) licenses of PowerVM Standard Edition

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**