

# C9010-022<sup>Q&As</sup>

IBM AIX Administration V1

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**QUESTION 1**

Which command can an administrator use to discover the port VLAN for ent3?

- A. entstat -d ent3
- B. lsvlan -l ent3
- C. ifconfig ent3
- D. netstat -ad

Correct Answer: B

**QUESTION 2**

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\\'-mVcdfs\\' mount /cdfs
- E. mkfs-v/cdfs/dev/cd0 mount /cdfs

Correct Answer: BD

**QUESTION 3**

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, lsvgshows 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

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#### QUESTION 4

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 and 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

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#### QUESTION 5

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

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#### QUESTION 6

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

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### QUESTION 7

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
```

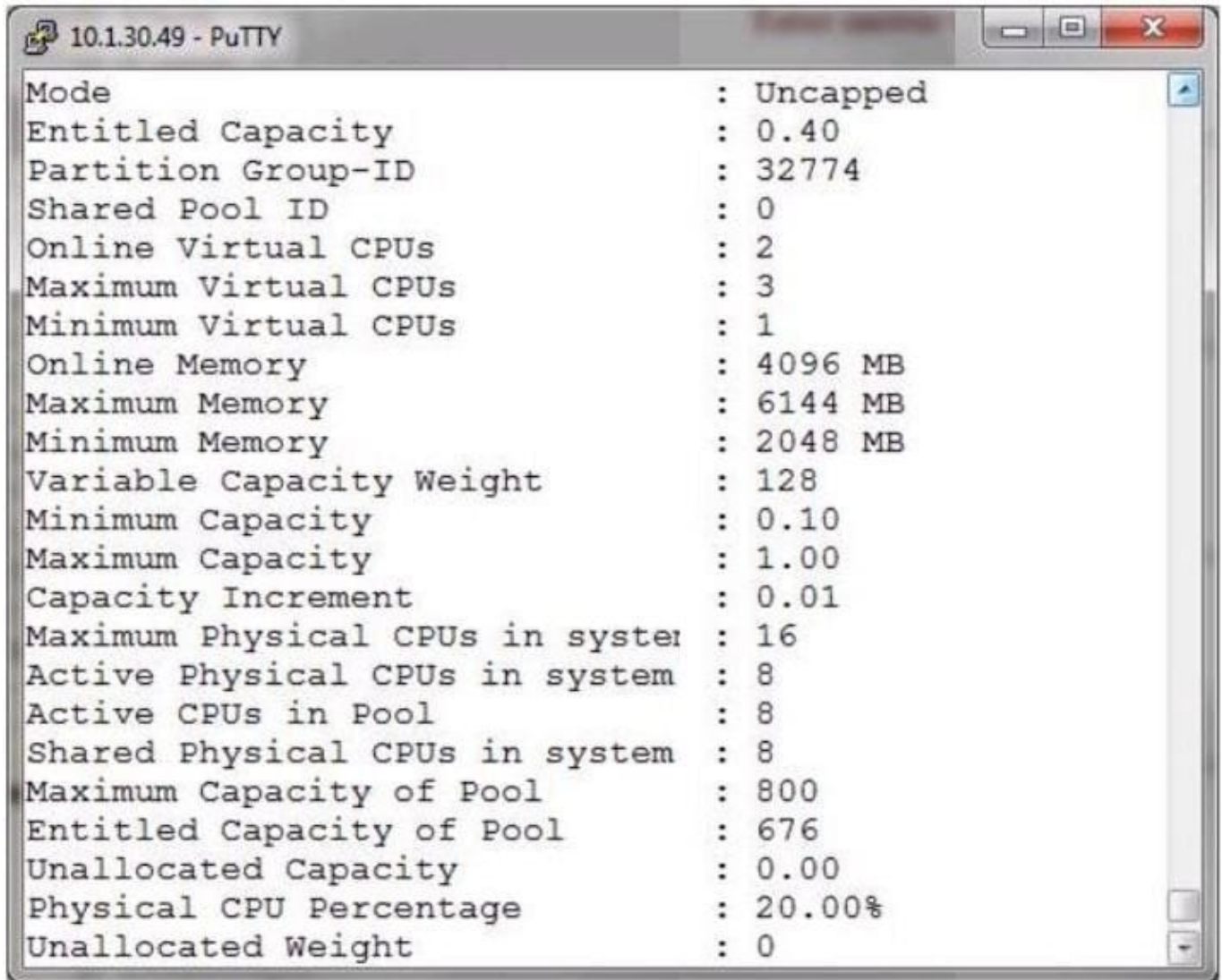
- A. ent0 is part of an EtherChannel.
- B. ent0 is not connected to a switch.
- C. The network that ent0 accesses is unavailable.
- D. The SEA providing network connectivity for ent0 is unavailable.

Correct Answer: A

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### QUESTION 8

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

**QUESTION 9**

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

- A. lsiv-al
- B. mount-v

C. df-vAg

D. lsvg | lsvg -il

Correct Answer: D

### QUESTION 10

Given the output below, what is the purpose of the ent5 and ent6 interfaces?

```
root@aix2: / # lsdev -Cc adapter
ent0      Available 07-08 2-Port 10/100/1000 Base-TX PCI-X Adapter (14108902)
ent1      Available 07-09 2-Port 10/100/1000 Base-TX PCI-X Adapter (14108902)
ent2      Available 09-08 2-Port 10/100/1000 Base-TX PCI-X Adapter (14108902)
ent3      Available 09-09 2-Port 10/100/1000 Base-TX PCI-X Adapter (14108902)
ent4      Available          EtherChannel / IEEE 802.3ad Link Aggregation
ent5      Available          VLAN
ent6      Available          VLAN
```

```
root@aix2: / # lsattr -El ent5
base_adapter ent4 VLAN Base Adapter True
vlan_priority 0   VLAN Priority      True
vlan_tag_id   839  VLAN Tag ID      True
```

- A. Provides multiple logical networks using the IEEE 802.1 Q standard
- B. Monitors packet headers and creates the appropriate default routes
- C. Enables primary and backup EtherChannel adapter failover monitoring
- D. Allows the use of a IPv4 alias within the same subnet as the base adapter

Correct Answer: A

### QUESTION 11

Which resource is required to make the cluster configuration data available when using Cluster Aware AIX?

- A. A cluster controller node that keeps the cluster configuration data synchronized between nodes.
- B. An NFS file system that is accessible with read/write permissions by all nodes that form the cluster.
- C. A supported disk in a highly available storage configuration that is accessible by all nodes that form the cluster
- D. A "quorum busting" disk to prevent loss of quorum from impacting availability of the cluster configuration data.

Correct Answer: C

### QUESTION 12

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

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### QUESTION 13

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 StandardEdition.
- 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

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### QUESTION 14

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

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### QUESTION 15

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 rooWg 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

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