

IBM 000-974

000-974 Power Systems Technical Support for i
Practice Test
Version 3.1

QUESTION NO: 1

Your company is running Intel based applications on an iSCSI-attached BladeCenter. The applications are very disk I/O intensive and response time is slow. Which of the following will most improve response times?

- A. Use the Point-to-Point iSCSI Ethernet connection to add an additional storage path to the virtual disks
- B. Add an additional target HBA in the System and an additional switch in bay 4 of the BladeCenter
- C. Add sufficient memory to the *MACHINE pool of the system
- D. Install an additional switch a bay 2 of the BladeCenter for an additional network connection

Answer: B

QUESTION NO: 2

Which of the following uses a Kerberos ticket to replace the username and password?

- A. Secure Sockets Layer (SSL)
- B. Single Sign On (SSO)
- C. Network Authentication Service
- D. Enterprise Identity Mapping (EIM)

Answer: D

QUESTION NO: 3

Which of the following correctly describes IBM's recommendation for the highest level of disk protection available for IBM I on a JS12 blade in a BladeCenter S (BCS)?

- A. VIOS managed disk mirroring
- B. IBM I managed disk mirroring
- C. BCS managed mirroring (RAID-10)
- D. BCS managed RAID-3

Answer: B

QUESTION NO: 4

Your company is converting from a Twinax Console to LAN console. Which of the following processes enables this conversion?

- A. Go into SST/DST and change console type fromTwinax to LAN Console and set LAN Console options to correspond with the settings on the PC
- B. Use System I Navigator with LAN console manager plug-ins to change console type and settings to correspond with the settings on the PC
- C. Go into SST/DST and change console type fromTwinax to Operations Console Direct and set the console options to correspond with the settings on the PC
- D. Use IBM Director with Console Manager to change console type and settings to correspond with the settings on the PC

Answer: A

QUESTION NO: 5

Your company has just installed a new TS3200 tape library with one LTO-4 drive. The drive was auto-configured as TAP02 but will not vary on. What is required in order to vary on this drive?

- A. Find the tape library device, vary it off and then vary on TAP02
- B. IPL the system so that the tape device initializes
- C. Delete the device description and manually reconfigure the drive and then vary it on
- D. Change the device description to use the correct hardware resource,then vary on TAP02

Answer: A

QUESTION NO: 6

Customer with a POWER5+ 525 and a FC #0595 expansion unit has poor disk drive performance. There are 4 FC # 4327 70 GB 15K RPM disk drives and a FC #5727 raid controller in the CEC and 12 FC #4327 70 GB 15K RPM disk drives and a #5737 raid controller in the expansion unit. Which of the following will improve the customer's disk drive performance?

- A. Replace the FC #5727 RAID controller in the CEC with a FC #5583 RAID controller with Auxiliary Cache
- B. Replace the FC #5737 RAID controller in the expansion unit with a FC #5583 RAID controller with Auxiliary Cache
- C. Add a 1.5 GB Auxiliary Cache card in the FC #0595 expansion unit for the FC #5737 RAID controller
- D. Add a 1.5 GB auxiliary Cache card in the CEC for the FC #5727 RAID controller

Answer: B

QUESTION NO: 7

Which of the following implementations will provide a fault tolerant network?

- A. One network card
Two IP addresses on the one card
- B. Two Network cards
Each with their own IP address
- C. One network and the virtual internal LAN
Each with their own IP address
- D. Two Network cards
Each with their own IP address
A virtual IP address over both cards

Answer: D

QUESTION NO: 8

Which of the following IBM I solutions supports software based encryption?

- A. Media and Storage Extensions
- B. BRMS at V6R1
- C. Tivoli Storage Manager (TSM)
- D. IBM Director Encryption Manager

Answer: B

QUESTION NO: 9

What is the maximum number of concurrent iSCSI Host Bus Adapter (HBA) connections that one Network Server Description(NSWD) may use?

- A. 6
- B. 2
- C. 1
- D. 4

Answer: D

QUESTION NO: 10

A power systems customer is upgrading their 810 to a Power 520 M25. Which of the following will allow them to continue to use their SNA based communications infrastructure and also provide support in the release following V6R1?

- A. NetView
- B. AnyNet
- C. Non-SNA Interconnection (NSI)
- D. Enterprise Extenders

Answer: D

QUESTION NO: 11

Your company with an i810 running V5R4M has five 35GB disk drives in the system unit and wants to migrate to a POWER5+ 525. Which of the following is the most expedient migration path for the data?

- A. Install V5R4M5 on the 810 and perform a full system save from the 810 and reload from tape to the 525
- B. Upgrade the 810 to a 525 and migrate the cards, memory and disk to the 525
- C. Connect the 810 and the 525 using the HSL bus and perform a disk to disk migration
- D. Install V5R4M5 on the 810, remove the disk drives from the 810 and install the disk drives in the CEC of the 525

Answer: D

QUESTION NO: 12

Which of the following is the most practical method of doing a partial save of an i5/OS partition on a POWER Blade?

- A. Replicate VIOS LUNs assigned to i5/OS; bring up separate i5/OS partition from copy
- B. i5/OS save to virtual optical IMGCLG, FTP images to VIOS or another i5/OS
- C. i5/OS save to virtual optical in VIOS; FlashCopy VIOS virtual media LUNs and attach to 2nd VIOS
- D. FlashCopy (Full Copy) VIOS LUNs assigned to i5/OS; bring up separate i5/OS partition from copy

Answer: B

QUESTION NO: 13

Which of the following is used to analyze WebSphere performance on IBM i?

- A. Workload Estimator
- B. iDoctor
- C. Patrol Predict
- D. Management Central CPUmonitor

Answer: B

QUESTION NO: 14

Which of the following correctly describes the requirements for using an IBM TotalStorage DS4700 with IBM i 6.1?

- A. Install a FC # 5778 PCI-X EXP24 Controller and Configure the DS4700 SCSI port for IBMi
- B. Connect the DS4700 and the Power Server to a SAN Volume Controller and Configure IBMi support
- C. Connect the DS4700 to VIOS. Configure VIOS as a Virtual SCSI server for the IBMi virtual SCSI client
- D. Install a FC #2847 PCI IOP for SAN load source in the power server and configure the DS4700fibre port for IBM i

Answer: C

QUESTION NO: 15

Your company is considering a POWER6 520 M25 with two FC #0595 expansion units supporting two partitions. Each partition will have five #4327 70GB disk units. The customer also wants to use an LTO-2 tape drive to backup each partition at different times of the day

Which of the following will satisfy the requirement?

- A. Place all the disk units in the FC #0595 expansion units and switch the internal DVD and internal SCSI LTO-2 in the M25 CEC between partitions
- B. Configure a switchable FC #2844 IOP and FC #5736 Magnetic Media IOA in the M25 CEC to support the LVD connected LTO-2 tape drive
- C. Configure a switchable FC #2844 IOP and FC #5736 Magnetic Media IOA in one of the FC #0595 expansion units to support the LVD connected LTO2 tape drive
- D. Configure a switchable FC #2844 IOP and FC #2749 Magnetic Media IOA in one of the FC #0595 expansion units to support the HVD connected LTO2 tape drive

Answer: C

QUESTION NO: 16

Which of the following is a function of Virtual I/O Server(VIOS)?

- A. Acts as a host partition for virtual windows servers
- B. Distributes workloads across blades
- C. Manages encryption in aniASP
- D. Virtualizes hardware resources to client LPARs

Answer: D

QUESTION NO: 17

Your company wants to allow remote access to their power server, but is concerned about the vulnerabilities of an open connection. Which of the following should be implemented to safeguard data transmitted in a remote connection?

- A. Secure Socket Layer (SSL)
- B. Enterprise Identity Mapping
- C. Network Authentication Enablement (5761-NAE)
- D. Secure Shell (SSH)

Answer: A

QUESTION NO: 18

A POWER6 550 customer with a V6R1 partition has four dedicated Ethernet ports and wants to add four more for redundancy. In addition to the four embedded Ethernet ports, what additional hardware is required?

- A. Two FC #5706 Ethernet IOAs
- B. One FC # 5624 Four-port Integrated Virtual Ethernet IOA
- C. One FC #5740 Quad-port Ethernet IOA
- D. Two FC #5623 two-port integrated virtual Ethernet IOA

Answer: A

QUESTION NO: 19

Your company is implementing a new Client/Server application. Clients will access the POWER6 server via the same IP address as existing applications. Which of the following is true in relation to the TCP/IP ports used?

- A. All applications must use different port numbers
- B. Each application must use the same speed
- C. All applications must use the same port number
- D. Only well known ports can be used

Answer: A

QUESTION NO: 20

Which of the following tapes will migrate to the POWER6 550?

- A. 3570-C01
- B. 3590-E11
- C. 7208-342
- D. 3580-H13

Answer: B

QUESTION NO: 21

.Which of the following is the minimum i5/OS release for using the FC # 6833 2-line WAN with Modem card in a model 525?

- A. V5R4M5
- B. V5R4M0
- C. V6R1M0
- D. V5R3M5

Answer: A

QUESTION NO: 22

SPT has been used to plan an LPAR configuration. The plan and SPT are available on the installer's laptop. The new hardware has arrived at the customer site. Which of the following describes how to confirm that the hardware order is complete and ready to define the LPARs?

- A. Connect the laptop to one of the service processor ports. Open SPT, and use the "prepare plan for export" option to validate the hardware

- B. Copy the SPT plan to a memory "key stick". Plug the "key stick" into a USB port on the CPU, then use ASMI to validate the hardware
- C. On the HMC, import the SPT plan from the laptop. Use the "deploy plan" option to validate the hardware
- D. Connect the laptop via LAN to the HMC. Open SPT, and use the "prepare plan for export" option to validate the hardware

Answer: C

QUESTION NO: 23

A POWER 520 M15 customer, with 5 disk in the system unit which are 75% full, needs more resilient disk protection than RAID 5 but has limited budget capability. Which of the following addresses the customer requirement at lowest cost?

- A. RAID 10
- B. RAID 6
- C. RAID 7
- D. RAID 6 with Hot Spare

Answer: B

Explanation:

If I have a Raid 5 with 5 disks, then there are approximately 4 usable disks. If these 4 usable disks are 75% full I can't change the raid level if I do not add an additional disk. The proposed correct answer B=RAID6 would be correct, if I add an additional disk. If I do not add an additional disk, the RAID6 will give me approximately 3 usable disks (of 5). Those disks would be 100% full (75% of 4 disks are 3 disks), which will bring the machine in an unusable state. Even if the question implies that the customer might want to buy another disk you should clarify the answer in the Q&A script.

QUESTION NO: 24

Which of the following solutions will use the least number of adapter slots and provide for dedicated TCP/IP connectivity to each of 4 partitions on a POWER6 520?

- A. 4 FC #5701 Ethernet adapter cards in a FC # 0595 expansion unit
- B. 1 FC #5624 Integrated Virtual Ethernet adapter in the system unit
- C. 1 FC #5706 and the FC #5623 integrated virtual Ethernet adapter with both the system unit
- D. 2 FS #5706 Ethernet adapter cards in a FC #5790 expansion unit

Answer: B

QUESTION NO: 25

Which of the following is required to implement Standby Journaling?

- A. Enhanced Journaling, IBM I Option 60
- B. A HA solutions such asiCluster
- C. HA Journal Performance, IBMi Option 42
- D. V6R1 and POWER6

Answer: C

QUESTION NO: 26

How many FC #5782 IOPlless disk adapters are supported in a FC #5790 expansion unit?

- A. 6
- B. 1
- C. 4
- D. 2

Answer: D

QUESTION NO: 27

Your company is migrating from a model 270 running V5R4M0. The system has 140GB of usable storage, which is 60% full. The disks are FC # 4319 35 GB 10k RPM units using RAID-5 protection. The new system will be a 520 M15. Which of the following options will provide for the best overall disk performance with sufficient disk space?

- A. Three 70 GB drives using RAID-5
- B. Two 140GB drive using mirroring
- C. Four 70 GB drive using Mirroring
- D. Four 140 GB drives using RAID-5 with hot spare

Answer: C

QUESTION NO: 28

Which of the following is a minimum requirement to use guest IBM i partitions on a Power Server?

- A. POWER6 running V5R4
- B. POWER6 running V6R1