

IBM.000-105.2012.09.03.by.getitcert

Number: 000-000
Passing Score: 800
Time Limit: 120 min
File Version: 1.0



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IBM 000-105

Power Systems with POWER7 and AIX Sales - v1

Version: 4.4
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Topic 1, Volume A

Exam A

QUESTION 1

A company plans to add servers and applications to support a new service offering. They are interested in IBM and would like to attend a Power Systems briefing. In order to properly qualify this opportunity, what question should be asked first?

- A. What are the names and versions of the new applications?
- B. How much floor space and energy capacity will be available?
- C. Who are the people that are expected to attend the briefing?
- D. Does the IT staff have adequate skill to support Power Systems servers?

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

A customer needs to be able to move WPARs between servers without user disruption. Which of the following AIX Editions will support the customer requirement at least cost?

- A. AIX Basic
- B. AIX Express
- C. AIX Standard
- D. AIX Enterprise

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which of the following describes a characteristic of AIX Express Edition?

- A. Offers improved administration for Blade environments
- B. Delivers enterprise class workload management on small servers
- C. Enables consolidation of many small workloads on larger servers
- D. Promotes the use of Live Application Mobility on POWER6 and POWER7 servers

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

What extra benefit does AIX Enterprise Edition offer customers who are interested in Tivoli Application Dependency Discovery Manager and Tivoli Monitoring?

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- A. Facilitates rapid deployment of new workloads to meet changing business demands
- B. Automates complex processes to ensure server operations fit within policies and compliance
- C. Includes integration between the products which is not available in the standalone products
- D. Minimizes training requirements by automating tasks through a simple command line interface

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

A construction company is trying to decide whether to purchase Power Systems servers or large x86 servers for several new SAP applications. Which of the following will offer more efficient resource utilization and make the Power Systems proposal more competitive?



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- A. Active Memory Expansion can dynamically allocate more memory from available CoD memory resources.
- B. Shared Memory Pools improve overall physical memory utilization between multiple dedicated partitions.
- C. Active Memory Sharing can be used to decrease the amount of system memory required to support multiple partitions.
- D. Memory Protection Key technology provides maximum performance and availability when used in multi user ERP environments.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

The Power 750 servers used by a customer to run WebSphere are operating under PowerVM Enterprise Edition. They are experiencing a bottleneck in memory, but have no budget to purchase additional memory. Which of the following memory technologies should be considered?

- A. Active Memory Sharing
Active Memory Expansion
- B. Memory Capacity On Demand
Active Memory Sharing
- C. Active Memory Expansion
Active Memory Virtualization
- D. Active Memory Virtualization
Memory Capacity On Demand

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

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Which of the following is the correct description of Active Memory Sharing (AMS)?

- A. Enables memory to be installed and allocated dynamically
- B. Spreads available memory across all partitions on the system
- C. Allows partitions to simultaneously share the same physical memory
- D. Permits partitions to borrow memory capacity from underutilized partitions

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Which of the following describes a Workload Partition (WPAR) capability?

- A. They enable application load balancing within an LPAR.
- B. They permit AIX upgrades without shutting down the application.
- C. They allow multiple operating system images to run in the same LPAR.
- D. They permit multiple applications to run in a single instance of AIX.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

What is a key function of Workload Partition Manager?

- A. Replication of AIX and Linux partitions
- B. Movement of WPARs across multiple systems
- C. Live migrations of AIX and Linux partitions
- D. Installation of virtual images from a centralized library

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

A prospective customer states that they dislike having to reboot their x86 systems after every operating system patch they install. How should the Power Systems sales person address this issue?

- A. PowerVM enables changes to AIX without requiring a reboot.
 - B. AIX 6.1 allows concurrent maintenance without requiring a reboot.
 - C. The service processor applies AIX updates without requiring a reboot.
 - D. AIX 5.3 and 6.1 allow kernel changes to be activated without requiring a reboot.
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Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

A customer is experiencing intermittent software outages in an application and has asked if AIX has a feature which may address this issue. Which of the following AIX features can help resolve the customer problem and why?

- A. Storage Keys, since it detects memory errors usually caused by intermittent program errors.
- B. Security Expert, since it can recover applications which are defined under a security profile.
- C. Alternate Processor Recovery, since it recovers from programming errors which normally occurs on cores.
- D. Live Application Mobility, since it can move applications to alternate POWER7 systems and recover from the error condition.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

A customer wants to consolidate x86 Linux applications onto an IBM Power Systems server. Which of the following Linux distributions are supported?

- A. Red Hat Enterprise Linux
SUSE
- B. Yellowdog
Red Hat Enterprise Linux
SUSE
- C. Ubuntu
Centos
Red Hat Enterprise Linux
SUSE
- D. Oracle Enterprise Linux
Red Hat Enterprise Linux
SUSE

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Which of the following describes the options available to support opensource applications and Linux running on Power Systems servers?

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- A. Linux and opensource applications are only supported by community support websites.
- B. IBM Support Line supports both the opensource application code and Linux on Power distributions.
- C. Opensource applications are supported by the opensource community and Linux is supported by IBM or the distributor.
- D. The Open Source Foundation supports the opensource applications and IBM Support Line supports the Linux distribution.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

A customer is unhappy with the scalability of their OLTP solution, which uses Oracle RAC software. Which Power Systems solution will provide a more scalable environment for the customer?

- A. AIX and DB2 pureScale
- B. Red Hat Linux and DB2 pureScale
- C. AIX and the IBM Smart Analytics System
- D. Red Hat Linux and the IBM Smart Analytics System

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

Which of the following is the correct business intelligence solution to present when competing against Oracle Exadata?

- A. IBM Cloudburst
- B. IBM DB2 pureScale
- C. IBM Smart Analytics
- D. IBM Business Analytics

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

A customer purchased a Power Systems server on the used market. The system has AIX 5.3 on it and IBM records indicate the system has Software Maintenance (SMWA) on the operating system. The customer wants

to upgrade to AIX 6.1 and add PowerVM. What must be done to get the customer AIX 6.1 and PowerVM?

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- A. The customer must purchase AIX and SWMA for both the AIX 6.1 and PowerVM.
- B. The customer must pay an After License Fee for the upgrade to AIX 6.1 and regular SWMA for PowerVM.
- C. An RPO MES must be done to put the system into the name of the current customer and then upgrade AIX 6.1 and PowerVM.
- D. The AIX and SWMA licenses must be transferred to the correct customer using the RPO MES process. Then an order for AIX 6.1 and PowerVM can be placed.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

A customer needs to run Linux and AIX applications on a Power 720. The customer requires software support for both AIX and Linux. In addition to SWMA for AIX, what are the options for Linux support?

- A. 9x5 or 24x7 support is offered only by the Linux distributor.
- B. 9x5 or 24x7 from either IBM or the Linux distributor is supported.
- C. Linux is only supported by the Open Source community via web access.
- D. Support for Linux is included with AIX SWMA using the same terms as the AIX support.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

A financial firm with Windows and Solaris skills is considering a new CRM package which runs on Power Systems with AIX. What should the Power Systems sales representative offer as a solution?

- A. PowerVM offers the ability to run Solaris binaries.
- B. AIX 6 includes Solaris commands and interface to make a seamless transition.
- C. IBM Systems Director offers a standard browser interface for system administration.
- D. Offer the AIX Jumpstart for Unix Professionals class to train the systems administrators.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

A health care provider is planning the implementation of a new Siebel CRM environment. They have decided to use Microsoft Exchange for email, Oracle for databases and Maximo for asset management. Which type of solution will support this environment with the least implementation complexity?

- A. POWER Blades running AIX and IBM x86 Blades running Windows
- B. Power Systems servers with AIX and hosted Windows and Linux LPARs
- C. POWER Blades running Linux and PowerVM Lx86 hosting Windowsbased applications
- D. Power Systems servers running AIX Enterprise Edition and PowerHA Standard Edition

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

An HP representative has told a prospective customer that Itanium systems are based on industry standard processors and IBM uses a proprietary processor.

What statement demonstrates the industry acceptance of POWER processors?

- A. UNIXbased ISV solutions are developed on POWER processors.
- B. POWER processors are supported by Solaris, Linux, Windows, and AIX.
- C. IEEE endorses POWER processors as the standard for Internet computing.
- D. POWER processors are used by leading game systems and automobile manufacturers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

A major hotel chain is considering moving an application from Solaris to AIX but is concerned about the expense and potential risks involved with the transition.

How can the sales representative ease their concerns?

- A. AIX and Solaris are binary compatible.
- B. Any UNIX application will run under AIX without recompilation.
- C. AIX provides an emulation mode that will run Solaris applications.
- D. The IBM Migration Factory can help the customer estimate the costs and risks.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

A customer plans to implement a Linux application that requires several x86 servers because of memory and core requirements. The customer opposes Linux on Power because he already has Linux on x86 skills. How can the Power Systems sales representative overcome this objection?

- A. The Linux x86 distribution can run on Power Systems servers.
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- B. Linux on x86 skills are interchangeable with Linux on Power.
- C. Education is available from IBM to bridge Linux on x86 skills to Linux on Power.
- D. Linux on Power includes compatibility features which exploit Linux on x86 skills.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

A chemical company has experienced significant market growth. They now have a large number of singleworkload Linux servers and are paying high hardware maintenance costs. These servers cannot handle unexpected peaks in demand from business units and customers. What IBM resource can help this company establish a better IT roadmap?

- A. IBM Consolidation Factory
- B. Technical Delivery Assessment
- C. Solution Deployment Accelerator
- D. Power Systems Virtualization Kit

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Which of the following is an architectural advantage of Power Systems over Sun systems?

- A. Power Systems can run AIX, Linux, IBM i, or Sun Solaris.
- B. The I/O connectivity is consistent on all Power Systems models.
- C. Power Systems provides binary compatibility from POWER5 to POWER6 to POWER7.
- D. PowerVM provides consistent functionality across all POWER5, POWER6, and POWER7 models.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

A research laboratory has been using Sun servers for a large ongoing project and has agreed to consider a Power Systems solution to replace the aging Sun environment. The system administrator wants to continue using the Solaris Containers approach for managing applications. What Power Systems solution will meet the requirements?

- A. AIX Workload Partitions can consolidate applications into fewer partitions to simplify management.
- B. Systems Director VMControl provides a familiar type of environment and the same level of "Pass Any Exam. Any Time." - www.actualtests.com 9

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management.

- C. Integrated Virtualization Manager can isolate applications into micropartitions for improved control.
- D. PowerVM Enterprise Edition can be used to set same policybased conditions that allow live migration of applications.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

A customer with a multiple system, multiple partition environment frequently misses deadlines when performing scheduled maintenance. This has a negative impact on availability. Which product or feature will solve the problem?

- A. VMControl
- B. AIX 7 clustering
- C. Live Partition Mobility
- D. Integrated Virtualization Manager

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

A customer needs to move applications between servers to balance the load without affecting application availability. What should be recommended to the customer?

- A. PowerVM Standard Edition
- B. AIX 6.1 Enterprise Edition
- C. General Parallel File System
- D. Load Leveler Enterprise Edition

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

Which of following is the minimum PowerHA System Mirror product that is appropriate for a customer that requires multisite recovery?

- A. Entry Edition
- B. Express Edition
- C. Standard Edition
- D. Enterprise Edition

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Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

What is an advantage of IBM Workload Partitions over Solaris Containers?

- A. Micropartitions
- B. Virtual I/O Server
- C. Live application mobility
- D. Multiple shared processor pools

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

A customer is using VMware on x86 servers and VMotion to relocate application partitions between different physical servers. What PowerVM function is similar to this function?

- A. Application Mobility
- B. VMControl Provisioning
- C. Live Partition Mobility
- D. Partition Relocation Facility

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

A customer has been told that SUN has more experience in virtualization than IBM. How can the Power Systems representative refute this statement?

- A. Sun virtualization technologies are licensed from IBM.
- B. Sun virtualization experience is based solely on VMware.
- C. IBM has more than 40 years of experience in virtualizing customer environments.
- D. Sun and IBM use Open Source code as the basis for their virtualization technologies.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

An AIX customer has four POWER4 systems and wants to move to POWER7. Which benchmark

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should the customer use to compare the POWER4 systems to POWER7 systems?

- A. CPW
- B. TMP
- C. rPerf
- D. ROLTP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

A medical research company runs computeintensive applications. The company has reviewed systems from SUN, HP and IBM. Which benchmark should be recommended?

- A. TPCH
- B. ROLTP
- C. SPEChpc
- D. Linpack

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Topic 2, Volume B

QUESTION 34

What is required to dynamically move a live application from one POWER5 server to another?

- A. PowerVM Enterprise Edition
- B. Partition Load Manager with VMControl Standard Edition
- C. Workload Partitions with IBM Workload Partitions Manager for AIX
- D. Live Partition Mobility with IBM Workload Partitions Manager for AIX

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

How should IBM Power Systems virtualization technologies be presented against LDOMs and Solaris Containers when talking with a person who only has Sun skills?

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- A. Compare IBM Dynamic LPARs to Sun LDOMS and Dynamic Domains
- B. Describe the advantages of PowerVM, LPARs and AIX Workload Partitions
- C. Discuss the superiority of the POWER Hypervisor and Simultaneous Multi-threading
- D. Explain the benefits of AIX Enterprise Edition and Linux Enterprise Distributions

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

An HP representative has told a prospective customer that Itanium systems are based on industry standard processors and IBM uses a proprietary processor. What statement demonstrates the industry acceptance of POWER processors?

- A. UNIX-based ISV solutions are developed on POWER processors.
- B. POWER processors are supported by Solaris, Linux, Windows, and AIX.
- C. IEEE endorses POWER processors as the standard for Internet computing.
- D. POWER processors are used by leading game systems and automobile manufacturers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

A travel agency with several regional offices is consolidating the IT infrastructure to the corporate office. A regional office was recently acquired and is still using custom applications running on Tru64 UNIX. What IBM offering will provide a method for consolidating to an AIX environment?

- A. The Migration Factory porting service
- B. IBM DeveloperWorks UNIX porting services
- C. AIX / UNIX data migration documentation in InfoCenter
- D. Redbooks with step by step procedures on data migration

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

An Oracle customer has decided to migrate to DB2 and is considering whether to host their

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database on new systems from HP, or to use Power Systems. What key relationship between AIX and DB2 is relevant to this decision?

- A. DB2 performance is optimized for AIX.
- B. DB2 threading has been increased to support SMT4 in POWER7.

- C. POWER7 RAS modifications have been made to support DB2 recovery.
- D. PowerVM modifications have been made to optimize DB2 virtualization.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

A customer has asked for reasons to run Linux applications on Power Systems servers rather than on lower cost x86 servers. Which of the following describes a benefit of running Linux on a Power Systems server?

- A. Linux exploits all of the RAS features implemented in IBM Power Systems.
- B. Linux running on Power Systems servers will always provide higher performance than Linux on x86
- C. Linux running on Power Systems servers supports more applications than x86 because of PowerVM LX86.
- D. Linux exploits features not found on x86 servers which are beneficial to mission critical workloads.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

What is a competitive advantage of PowerVM over VMware vSphere?

- A. The capability to create partitions with less than one core
- B. The capability to provide a dynamic Disaster Recovery solution
- C. The ability to move active partitions between different servers
- D. The ability to remove processors from a partition without a reboot

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

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QUESTION 41

In analyzing the choice of an operating environment for a new Power Systems customer, what key elements should be determined first?

- A. Customer skill set and application requirements
- B. Cost restrictions and memory usage of the operating system
- C. I/O bandwidth and performance requirements of the application
- D. Operating system reliability features and virtualization support

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

A distributor is reviewing various UNIX based applications. The customer requested an industry benchmark that will give a good representation of their wholesale distribution application. Which benchmark should be recommended?

- A. TPC-C
- B. rPerf
- C. SPECint
- D. LINPACK

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

A local retailer with two systems in their data center requires 24x7 availability. What PowerHA edition should be recommended?

- A. Local Edition
- B. Express Edition
- C. Standard Edition
- D. Enterprise Edition

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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Explanation:

QUESTION 44

An AIX 5.3 Software Maintenance (SWMA) contract expired two years ago and now the customer wants to reinstate it. What must the customer do?

- A. Purchase a new SWMA contract.
- B. Purchase AIX, and pay the After License Charge.
- C. Purchase SWMA and pay the After License Charge.
- D. Purchase AIX, SWMA and pay the After License Charge.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

Which of the following describes the pricing options for Linux on Power Systems servers?

- A. Linux is priced by core.
- B. Linux is no charge from IBM.
- C. Linux has Small/Medium/Large pricing similar to AIX.
- D. Linux pricing varies by certified distribution and is priced by sockets or by server.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

What benefit does the AIX concurrent kernel update feature provide?

- A. Automates updates to new releases of AIX
- B. Enables dynamic activation of additional processor cores
- C. Eliminates unplanned downtime caused by operating system failures
- D. Provides the ability to apply fixes which do not require a reboot

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

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QUESTION 47

Which of the following is an advantage of a Power Systems solution over an Oracle Exadata V2 solution?

- A. Power Systems uses solid-state storage for databases.
- B. Power Systems supports multiple operating systems and versions of Oracle.
- C. Power Systems runs databases and applications in the same logical partition.
- D. Power Systems supports any Linux distribution, Oracle only supports Oracle Enterprise Linux.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

A customer is purchasing a number of POWER7 systems and has expressed the need to move AIX workloads from one system to another. Which of the following is the minimum necessary to support the customer requirement?

- A. AIX 6.1 Basic Edition
- B. AIX 6.1 Express Edition
- C. AIX 6.1 Standard Edition
- D. AIX 6.1 Enterprise Edition

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

How does the AIX Journaled File System improve operating system uptime?

- A. Processes multiple threads simultaneously in each core
- B. Enables creation of redundant copies of data in the file system
- C. Provides a rapid method of restarting and recovering the file system
- D. Isolates multiple application workloads in a shared operating system

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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Explanation:

QUESTION 50

A prospective customer is considering the purchase of a Power 750 for a consolidated AIX environment using both dedicated processor partitions and micro-partitions using a shared processor pool. They want the system to make maximum use of processor resources. Which PowerVM feature supports the customer requirement?

- A. Shared Dedicated Capacity
- B. Utility Capacity on Demand
- C. Dynamic Resource Reallocation
- D. Multiple Shared Processor Pools

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

Which of the following is true of Active Memory Expansion?

- A. It can be enabled using the HMC.
- B. It requires applications to be recompiled.
- C. It works on POWER7 hardware and AIX 5.3 and later.
- D. It can be activated using IVM (Integrated Virtualization Manager).

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 52

A customer has a POWER 520 and a POWER 550 without LPARs. The two servers will be consolidated to a new Power 770. What is the minimum required to support this new virtualized environment?

- A. HMC with KVM
- B. System Director Manager
- C. Hardware Management Console (HMC)
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- D. Integrated Virtualization Manager (IVM)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 53

What is the minimum operating system, or systems, that will support Active Memory Expansion?

- A. AIX 6.1
- B. AIX 5.3
- C. AIX 6.1 and SLES 11
- D. AIX 5.3 and Red Hat 5.4

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 54

A potential customer has an application written in Java and has asked which benchmark should be used to evaluate performance. Which benchmark should be recommended?

- A. TPC-H
- B. rPerf
- C. SPECjbb
- D. Linpack

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 55

When identifying the best operating system for a key application, which aspects are common to AIX, IBM i, and Linux?

- A. Pricing, since AIX, IBM i, and Linux are priced the same.
- B. Support, since AIX, IBM i, and Linux all can be supported by IBM.

- C. Virtualization, since PowerVM features are supported equally by AIX, Linux, and IBM i.
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- D. System Management, since System Director functions are supported equally by AIX, Linux, and IBM i.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 56

Which of the following is a key benefit of Workload Partitions (WPARs)?

- A. Reduces the risk of unplanned downtime caused by operating system failures
- B. Reduces the amount of time required to identify workload performance issues
- C. Reduces the administrative workload required to manage individual partitions
- D. Reduces the per-core software licensing costs associated with micro-partitions

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 57

A construction company is trying to decide whether to purchase Power Systems servers or large x86 servers for several new SAP applications. Which of the following will offer more efficient resource utilization and make the Power Systems proposal more competitive?

- A. Active Memory Expansion can dynamically allocate more memory from available CoD memory resources.
- B. Shared Memory Pools improve overall physical memory utilization between multiple dedicated partitions.
- C. Active Memory Sharing can be used to decrease the amount of system memory required to support multiple partitions.
- D. Memory Protection Key technology provides maximum performance and availability when used in multi-user ERP environments.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 58

A customer is interested in server consolidation but is concerned about POWER7 support of AIX

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V5.2, which is needed to support their legacy applications. What should be explained to the customer to ease their concern?

- A. PowerVM Enterprise Edition supports AIX 5.2 on POWER7 servers.
- B. AIX versions 5.2 and above are supported on the POWER7 servers.
- C. AIX 5.2 can run in a workload partition with AIX 7.1 on POWER7 servers.
- D. AIX Enterprise Edition provides support for applications which require AIX 5.2

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 59

The CIO of a sportswear company mentioned that HP recently discussed virtualization offerings with them. The CIO would like to hear about comparable IBM offerings. What IBM technologies should be discussed?

- A. AIX Enterprise Edition and PowerVM Lx86
- B. PowerHA Enterprise Edition and DB2 pureScale
- C. PowerVM Editions and Systems Director VMControl
- D. Workload Partitions and Workload Partition Manager

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 60

A prospective customer is running an application that can run on either AIX or Solaris. They would also like to add some Linux applications. They are considering either a SUN M4000 or a Power Systems 750. What should a Power Systems sales representative discuss with the customer?

- A. Both systems support Linux, however the M4000 does not support virtualization with Linux.
- B. AIX 6.1 can run Linux in a native mode whereas SUN uses an emulator to run Linux on the M4000.
- C. Power Systems servers can run AIX, Linux and PowerVM Lx86. The SPARC-based M4000 does not support Linux.
- D. Linux is supported as a guest operating system on Power Systems running AIX 6.1 or later. SUN does not support Linux on its SPARC-based systems.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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Explanation:

QUESTION 61

A customer with limited budget is considering a new Power Systems server. Their initial requirement is 16 cores. They would like to add cores and memory in the future without having to shut down the server. What Power Systems server should be proposed to the customer?

- A. Power 720
- B. Power 750
- C. Power 755
- D. Power 770

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 62

A customer purchased a Power 750 server running AIX 6.1 Express Edition. What is the largest LPAR they can support?

- A. 4 cores
- B. 8 cores
- C. 16 cores
- D. 32 cores

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 63

A customer is purchasing a new POWER7 system and wants to know what is included in the Software Maintenance Agreement. Which of the following is correct?

- A. Education, training and support
- B. Automatic AIX version upgrade downloads
- C. Performance monitoring and health check
- D. AIX version upgrades and telephone technical support "Pass Any Exam. Any Time." - www.actualtests.com
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Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 64

What extra benefit does AIX Enterprise Edition offer customers who are interested in Tivoli Application Dependency Discovery Manager and Tivoli Monitoring?

- A. Facilitates rapid deployment of new workloads to meet changing business demands
- B. Automates complex processes to ensure server operations fit within policies and compliance
- C. Includes integration between the products which is not available in the standalone products
- D. Minimizes training requirements by automating tasks through a simple command line interface

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 65

Which of the following architectural features is a competitive advantage of Power Systems over HP Integrity systems?

- A. Multi-core chip
- B. Hardware isolation
- C. Simultaneous multithreading
- D. Alternate Processor Instruction retry

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 66

A customer plans to implement a Linux application that requires several x86 servers because of memory and core requirements. The customer opposes Linux on Power because he already has Linux on x86 skills. How can the Power Systems sales representative overcome this objection?

- A. The Linux x86 distribution can run on Power Systems servers.
- B. Linux on x86 skills are interchangeable with Linux on Power.
- C. Education is available from IBM to bridge Linux on x86 skills to Linux on Power.
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- D. Linux on Power includes compatibility features which exploit Linux on x86 skills.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

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QUESTION 67

A customer has a requirement to run eight Oracle database instances, each with eight cores. Which of the following AIX editions will support this requirement at least cost?

- A. AIX Basic
- B. AIX Express
- C. AIX Standard
- D. AIX Enterprise

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 68

A customer is purchasing a number of POWER7 systems and needs to move AIX WPARs from one system to another. Which Edition will meet the customer's needs while minimizing cost?

- A. AIX Standard Edition using VMControl

- B. AIX Enterprise Edition using Workload Manager
- C. AIX Standard Edition using PowerVM Standard Edition
- D. AIX Express Edition using System Director Management Console (SDMC)

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 69

What is a key advantage of Active Memory Expansion?

- A. Memory can be moved between LPARs.
- B. Memory can be hot added in active partitions.
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- C. Memory can be increased beyond physical limits.
- D. Memory buffering can be doubled to increase performance.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 70

What is a difference between Active Memory Expansion (AME) and Active Memory Sharing (AMS)?

- A. AME is an optional feature of POWER7 and AMS is a no charge feature of POWER7
- B. AME is a hardware feature of POWER7 and AMS is a feature of PowerVM Enterprise Edition
- C. AME is a standard feature of AIX and AMS is a optional feature of PowerVM Standard Edition
- D. AME is no charge feature of POWER7 and AMS is a no charge feature of AIX Enterprise Edition

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 71

Which functionality does an Application WPAR provide in AIX?

- A. Isolates individual applications
- B. Supports dedicated processors and virtual adapters
- C. Provides live mobility functionality between like systems
- D. Optimizes efficiency of applications when live mobility is not needed

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 72

What is a benefit of using Workload Partitions?

- A. Improved application security by sharing access to the partitions
- B. Reduced cost by assigning virtualized resources to each application environment "Pass Any Exam. Any Time." - www.actualtests.com 25 IBM 000-105 Exam
- C. Maximized performance by preventing workloads from competing for the same resources
- D. Increased application availability by allowing Live Partition Mobility in a virtualized environment

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 73

How does the AIX Journaled File System improve operating system uptime?

- A. Provides a shared file system between multiple partitions
- B. Enables creation of redundant copies of data in the file system
- C. Isolates multiple application workloads in a shared file environment
- D. Provides a rapid method of restarting and recovering the file system

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 74

Which benefit does the Storage Key feature of AIX provide?

- A. Encrypts the data in a file system
- B. Helps reduce memory-related errors
- C. Provides rapid recovery of failed disks
- D. Simplifies implementation of security policies

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 75

A customer is moving 32-bit x86 Linux applications to Linux on a Power Systems server. How will PowerVM Lx86 benefit the customer?

- A. Applications can be implemented without recompiling.
- B. Applications are extended to exploit 64-bit addressability.
- C. Applications gain a higher level of software error recovery.

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D. Applications perform significantly faster on the Power Systems server.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 76

What is a benefit of running Linux on a Power System server rather than on lower cost x86 server?

- A. Power Systems support more peripheral devices.
- B. Power Systems provide significantly better security.
- C. The solution exploits features necessary for mission critical workloads.
- D. The solution supports all of the RAS features implemented in IBM Power Systems.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 77

Why is it beneficial to run DB2 on an AIX system?

- A. AIX and DB2 are licensed together in the AIX Enterprise Edition.
- B. AIX and DB2 exploit POWER7 technologies to provide improved scaling.
- C. AIX and DB2 are developed by the same development team and share common code.
- D. AIX and DB2 enhance failure analysis through shared application recovery routines.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 78

A customer requiring a business intelligence solution receives a proposal on Oracle Exadata. Which IBM solution should be proposed as a competitive offering?

- A. IBM eCommerce
- B. IBM Cloudburst
- C. IBM DB2 pureScale

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- D. IBM Smart Analytics

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 79

A customer has a POWER5 550 running AIX 5.2 without software support and needs to transfer the AIX license to a Power 750. Which procedure will achieve the customer's needs?

- A. Upgrade to AIX 5.3 or 6.1 and then transfer the software.
- B. Purchase the AIX upgrade PRPQ for customers without software maintenance.
- C. Order AIX for the 750 and submit a special bid requesting credit for the cost of AIX 5.2.
- D. Purchase an IGS software contract, upgrade to AIX 5.3 or 6.1, and then transfer the software.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 80

How is AIX software maintenance (SWMA) acquired with the purchase of a new Power 730 server with AIX?

- A. SWMA is optional and can be ordered at a later date.
- B. Express server offerings include three years of no-charge SWMA.
- C. SWMA is automatically ordered with the purchase of the AIX license.
- D. A separate service contract is required to order the initial SWMA service.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 81

What should be analyzed when choosing between running a key ISV application on AIX, Linux, or IBM i?

- A. The primary development platform of the application
- B. The availability of compilers for each operating system "Pass Any Exam. Any Time." - www.actualtests.com
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- C. The ability of the application to run on the operating system
- D. The frequency of application updates for each operating system

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 82

What key differentiator would influence a customer to choose either AIX or Linux?

- A. Support options
- B. Scalability factors
- C. Performance per core

D. Application availability

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 83

A prospective customer is considering an ERP application that can run on AIX, Solaris, and HP-UX. The environment will require multiple systems. The customer is concerned about meeting their service level agreements if a system must be brought down for planned maintenance.

Which AIX based solution will address the customer's concern?

- A. VMControl
- B. PowerHA System Mirror
- C. Live Application Mobility
- D. Concurrent Hardware Maintenance

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 84

An HP representative tells a prospective customer that Itanium systems are based on industry standard processors, and IBM uses a proprietary processor. Which statement demonstrates the

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industry acceptance of POWER processors?

- A. POWER processors are supported by HP-UX, Linux, and AIX.
- B. UNIX-based ISV solutions are developed on POWER processors.
- C. IEEE endorses POWER processors as the standard for Internet computing.
- D. POWER processors are used by leading game systems and automobile manufacturers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 85

A customer is planning to convert all applications to Linux on x86 systems. The customer does not have UNIX skills and does not want to consider AIX. What should be discussed with the customer to demonstrate the advantages of Linux on Power?

- A. Once an application is converted to Linux, it will also run on Power Systems.
- B. UNIX skills are easy to acquire, and AIX is significantly more stable than Linux.
- C. The total cost of Power Systems running Linux is less expensive than an x86 server.
- D. Power Systems support Linux and provide higher performance and capacity than x86 servers.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 86

A trucking company is planning to converge its DB2, MS SQL, and Oracle databases to a single database product. Which offering will help the company move to the converged environment?

- A. IBM Migration Toolkit
- B. Rational Power Appliance
- C. PowerVM Enterprise Edition
- D. VMcontrol Migration Manager

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 87

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Which architectural feature is a competitive advantage of Power Systems over HP Integrity systems?

- A. ECC memory
- B. Multi-core chip
- C. Simultaneous multithreading
- D. Alternate Processor Instruction retry

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 88

A research firm wants to evaluate Linux on a Power Systems 795 for a development project. The configuration requires Linux partitions with shared I/O resources. Which set of Power virtualization support options should be used to meet these requirements?

- A. Dedicated Shared Resources, AMS, NPIV, SDMC
- B. Micro partitions, Virtual I/O server, HMC, VLAN
- C. Live Partition Mobility, Virtual I/O Server, DLPARs, HMC
- D. Integrated Virtual Ethernet, Shared Processor Pool, Virtual I/O Server, IVM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 89

A Power Systems customer plans to update their SAN and Ethernet network to eliminate single points of failure and reduce outages. Which solution supports the customer's requirements?

- A. Systems Director Network Control to provide redundant Ethernet, VLAN and SAN Fabric support
- B. PowerVM Enterprise Edition to support dual Converged Network Adapters and Fibre Channel over Ethernet
- C. PowerVM Standard Edition implementing redundant VIO servers, each having redundant Ethernet adapters and HBAs
- D. Systems Director Enterprise Edition with Insight Manager to manage multiple distributed switch fabric environments

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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Explanation:

QUESTION 90

A customer has Power 780s in two data centers that are 50km apart and needs a disaster recovery solution. Which solution will meet the customer's needs while minimizing cost?

- A. PowerFlex
- B. Capacity BackUp
- C. PowerVM Enterprise Edition
- D. PowerHA Enterprise Edition

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 91

A local retailer with two systems in their data center requires 24x7 availability and support for unplanned outages. Which solution should be recommended?

- A. PowerVM Enterprise Edition
- B. PowerVM Live Partition Mobility
- C. PowerHA System Mirror Express Edition
- D. PowerHA System Mirror Standard Edition

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 92

A company has a one-week time span during which an end-of-year batch process must be completed without causing an outage. Which Capacity on Demand function should the IBM representative recommend to the

customer?

- A. Trial Capacity on Demand
- B. On/Off Capacity on Demand
- C. Capacity Upgrade on Demand
- D. Utility Capacity on Demand

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Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 93

How should IBM Power Systems virtualization technologies be presented against LDOMs and Solaris Containers when talking with a customer who only has Sun skills?

- A. Explain the advanced features of AIX Enterprise Edition
- B. Compare IBM Dynamic LPARs to Sun LDOMs and Dynamic Domains
- C. Compare the advantages of POWER Hypervisor over SPARC Hypervisor
- D. Describe the advantages of PowerVM, LPARs and AIX Workload Partitions

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 94

A Sun customer is considering purchasing a new Power Systems server. The customer likes Solaris Containers function and wants to know if IBM has anything similar. What IBM technology is similar in function to Solaris Containers?

- A. Logical partitions
- B. PowerVM partitions
- C. Workload partitions
- D. Dedicated partitions

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 95

What are the advantages of Power Systems virtualization compared to VMware virtualization?

- A. Virtual and Dedicated I/O
- B. Micro partitioning and processor sharing
- C. Memory expansion and larger partition size
- D. Dynamic resource allocation and Virtual LAN

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 96

A customer who will run virtualized mixed workloads would like to compare the performance of a POWER7 server versus a competitive x86 server. What is the best way to provide the performance differentiation?

- A. Present rPerf data for both systems.
- B. Present SPECint data for both systems.
- C. Present analysis results based on RPE2 data for both systems.
- D. Present benchmark information based on a sub-set of the workloads.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 97

A customer has presented data to the Power Systems seller that indicates a 20% SPECint performance advantage when using a competitive x86 server for commercial workloads. How should the Power Systems seller respond?

- A. Explain that SPECint is specific to x86 commercial workloads.
- B. SPECint benchmarks should only be used for high performance computing analysis.
- C. The performance analysis should be done on a core-to-core basis, not on a system basis.
- D. Show multiple benchmark results and present that POWER7 is a balanced architecture system.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



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