

CertKiller.HP2-T29,60.Questions

Number: HP2-T29
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HP2-T29

Delta - Building HP Server

- ✓ Excellent Questions, I pass with 90% with these questions. Guys just read this only.
- ✓ Added Explanations and Exhibits most of the questions.
- ✓ These are the most accurate study questions. Just focus on these and sit in your exam.
- ✓ This VCE alone will guarantee you a pass.
- ✓ Best to read my cover notes in this vce at the start of the exam.

Exam A

QUESTION 1

Which HP server architecture enables customization of server networking adapters?

- A. FlexibleLOM
- B. FlexLayer
- C. FlexAttach
- D. FlexNetwork

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

the past several years but are not current IT trends.

2. ☒ B. **Flexible LOM** technology allows customers to select a NIC that provides the functions and bandwidth they need, without being limited by the NIC that is embedded on the system board. *For more information, see Chapter 1.*

QUESTION 2

You need to update the iLO firmware on all server blades in a single enclosure. Which iLO feature can you use to complete this task"?

- A. iLO Federation
- B. Embedded Remote Support
- C. iLO RIS Repository
- D. Enclosure Firmware Management

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

When you select a group, HP SUM displays information about the group, including a description, server types, number of servers, and installed firmware versions. HP SUM only deploys system ROM and iLO firmware to iLO Federation group nodes.

The HP SUM iLO **Federation** feature relies on proper configuration of iLO Federation groups before you launch HP SUM. Multiple iLO Federation groups with the same name or fragmented iLO Federation groups result in HP SUM only working with a portion of the expected systems.

HP SUM supports scalability with iLO Federation, including the ability to:

- Automatically discover iLO Federation Groups on the management network.
- Update the iLO and ROM firmware on ProLiant servers in the iLO Federation group through the iLO.
- Update all applicable firmware on ProLiant servers in the iLO Federation group using the iLO using offline firmware deployment.
- Deploy VMware vSphere Installation Bundles (VIBs) and Linux firmware RPM Package Managers.

QUESTION 3

Which storage technologies have been introduced in HP ProLiant Gen9 servers'?(Select two.)

- A. single cache across stand up cards
- B. SSD drives
- C. shared battery backup
- D. Super-caps
- E. SmartCaching

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Explanation/reference:

Shared backup power—HP Smart Storage battery

With ProLiant Gen9 servers, HP Smart Storage batteries are offered as a platform-wide device, with support no longer confined to Smart Array controllers. This means that backup power has been moved from one supercap per controller to a **shared battery** across all Smart Array controllers in a system. [Figure 1-22](#) reproduces a screen in iLO 4 that shows the status of Smart Storage batteries and other power information.

ProLiant server direct-attached storage

With the introduction of ProLiant Gen9 technologies, HP is offering more flexible direct-attached storage across the ProLiant server portfolio. Hard disk drives (HDDs) will continue to live on as bulk storage. HP solid-state drives (SSDs) are becoming more commonly used as fast tiers or cache for any application you want to accelerate.

Some of the changes in ProLiant Gen9 storage offerings include:

- Serial ATA (SATA)-only option (up to 10 ports) offered on all servers
- Dynamic Smart Array B140i embedded storage controller standard on all ProLiant Gen9 servers
- Boot device options
- M.2 SATA, USB-attached mirrored microSD
- 12 Gb/s SAS P-series controllers
- **Shared battery for backup power (no more supercaps)**
- **Single-cache module across stand-up cards (4 GiB)**
- 12 Gb/s SAS H-series controllers
- Low-cost SAS RAID options (0, 1, 5)

QUESTION 4

Your customer wants their IT team to be able to share a remote console in to an iLO for collaboration on complex issues. Which product is needed to satisfy the customer requirement?

- A. Redundant Onboard Administrator
- B. iLO Advanced license
- C. Dedicated Active Directory server
- D. Kerberos authentication services

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference:

http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c00861260&DocLang=en&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0004

- **iLO Advanced license**—For enterprises. The iLO Advanced or iLO Advanced for BladeSystem license offers premium remote functionality for any ProLiant server, such as graphical remote console with multiuser collaboration, video record/playback, and many more advanced features that support an enterprise data center.

QUESTION 5

What does HP recommend customers do when upgrading to a second processor in a DL380 Gen9 server?

- A. Update the system ROM
- B. Update the memory controller firmware
- C. Update the RAID controller firmware
- D. Update the iLO firmware

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

Your customer has multiple c7000 enclosures with Virtual Connect modules. The customer intends to use HP OneView, but before adding enclosures to HP OneView, all VC modules must be updated to the common, supported baseline. Which tool should you use to update the VC modules?

- A. Virtual Connect Support Utility (VCSU)
- B. Virtual Connect Manager (VCM)

- C. Virtual Connect Deployment Tool (VCDT)
- D. Virtual Connect Enterprise Manager (VCEM)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

I'm after some assistance fairly urgently. Does anyone know where I can get hold of Virtual Connect Support Utility 1.8? This is required to upgrade Virtual Connect to 4.01, but doesn't seem to be on the Virtual Connect driver and software download page. The latest seems to be 1.71. Any assistance would be much appreciated.

Info from Gallig:

Latest VCSU version is 1.8.1.

Available for windows here:

<http://h20000.www2.hp.com/bizsupport/TechSupport/SoftwareDescription.jsp?lang=en&cc=us&prodTypeId=37...>

QUESTION 7

Which HP Smart Memory technology can provide speeds up to 2133 MT/s?

- A. DDR3
- B. DDR4
- C. DRAM
- D. HDIMM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

- ProLiant Gen9 servers support DDR4 technology to a maximum of 1.5 TB on 24 DIMM platforms and 1.0 TB on 16 DIMM platforms, at speeds up to 2133 MT/s.

QUESTION 8

Which HP system management tool is activated and configured through HP ROM-based Setup Utility?

- A. HP Intelligent Provisioning
- B. HP Onboard Administrator
- C. Automatic System Recovery
- D. HP OneView

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c00729544&DocLang=en&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0001

QUESTION 9

An organization needs you to change the RAID level on its servers from RAID 0 to RAID 5 for security reasons. Which tool should you use to complete this task in online mode?

- A. Array Diagnostic Utility
- B. Flexible Array Storage Tool
- C. Smart Storage Administrator
- D. Option ROM Configuration for Arrays

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c02110406&DocLang=en&docLocale=en_US&jumpid=reg_r1002_usen_c-

001_title_r0001

During this autoconfiguration process, ORCA uses all of the physical drives on the controller to set up the first logical drive. The **RAID level** used for the logical drive depends on the number of physical drives (one drive = RAID 0; two drives = RAID 1+0; three to six drives = RAID 5). If the drives have different capacities, ORCA locates the smallest drive and uses the capacity of that drive to determine how much space to use on each of the other drives.

- If the boot drive has been formatted or if there are more than six drives connected to the controller, you are prompted to run ORCA manually.

For more information about the autoconfiguration process, see the *HP ROM-Based Setup Utility User Guide* on the documentation CD provided with the server.

ORCA is available in a menu-driven interface and as a command-line interface (CLI) (not supported by ProLiant 100-series servers). These formats provide a quick and easy method for basic logical drive configuration. They have limited support for standard configuration tasks. However, these few tasks are adequate if your configuration needs are simple. For example, stripe size is predetermined by the RAID level you choose, and the size of the logical drive is determined automatically by the size of the physical drives you select.

QUESTION 10

Your customer does not install OS locally but is utilizing network boot over IPv6. Which server supports IPv6 PXEboot?

- A. ML350 Gen8
- B. DL980 G7
- C. DL580 Gen8
- D. DL380 Gen8

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

UEFI support

Like the ProLiant Gen9 servers, the ProLiant DL580 Gen8 server includes Unified Extensible Firmware Interface (UEFI) enhanced by HP ([Figure 2-5](#)), a superset of the standard UEFI specifications that offers an advanced feature set.

The UEFI enhanced by HP offers robust functionality, including:

- Configuring system devices and installed options
- Secure Boot, which allows the system firmware, option card firmware, operating systems, and software to collaborate to enhance platform security
- Enabling and disabling system features
- Preboot Execution Environment (PXE) boot support for IPv6 networks
- PXE Multicast Boot allowing for faster PXE deployments for large numbers of servers
- Enhanced UEFI Shell that provides a preboot environment for running scripts and tools
- Access to the iLO 4 management engine

QUESTION 11

Which functionality does Onboard Administrator provide?

- A. Virtual Connect stacking
- B. connectivity to all network cards for server blades
- C. management of the enclosure
- D. iLO Federation functionality

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

The OA module offers web-based and command-line interface manageability. It has two major functions:

- Driving all management features through the two Inter-Integrated Circuit (I2C) and Intelligent Chassis Management Bus (ICMB) interfaces
- Aggregating up to 16 iLO ports in a c7000 enclosure and up to eight iLO ports in a c3000 enclosure, simplifying cable management, and providing a GUI to launch individual server iLO management interfaces

The rear of each module has an LED (blue UID) that can be enabled (locally and remotely) and used to identify the enclosure from the back of the rack.

QUESTION 12

Which I/O workload scenario is most suitable for Solid State Disk (SSD) drives'?

- A. random write operations
- B. random read operations
- C. sequential write operations
- D. mixed read/write operations

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c02132203&DocLang=en&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0001

QUESTION 13

Which component can be used to determine the RAID configuration for direct attached disks?

- A. UEFI
- B. Smart Storage Administrator (SSA)
- C. Online Diagnostics Utility
- D. Centralized Management Console (CMC)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

Which functionalities are included in the Onboard Administrator?(Select two.)

- A. It allocates power based on the measured maximum power following insertion of a blade server.
- B. It permits the administrator to assign the device bay number following insertion of a blade server. It allows manual pairing of specific blade servers to specific power supplies.
- C. It surveys blade servers to verify and display the functionality of server NICs.
- D. It verifies that interconnect modules and mezzanine cards are compatible.

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

What does Secure Boot configuration support?

- A. Verifying boot media up to and including the boot manager
- B. Signing and verifying UEFI executable files up to and including the boot manager only
- C. Signing and verifying both legacy BIOS and UEFI executable files up to and including the boot manager
- D. Signing and verifying legacy BIOS executable files up to and including the boot manager only

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

A Secure Boot configuration supports signing and verification for UEFI executable files, up to and including the boot manager. Together with verification performed by the operating system, Secure Boot helps protect the operating system from malware by performing a verification of each component, beginning with the platform reboot. Secure Boot prevents modification of the verification process, the keys, or any other variables by untrusted code or entities.

QUESTION 16

What can be used to download the Active Health System (AHS) logs'?

- A. HP Smart Update Manager
- B. HP Intelligent Provisioning
- C. Insight Diagnostics
- D. HP Smart Storage Administrator

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

answer is corrected.

QUESTION 17

Which compute workloads are most suitable for scale-out computing solutions'?(Select two.)

- A. unified communication applications
- B. personal productivity applications
- C. geophysical exploration applications
- D. high frequency trading applications
- E. data center management applications

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

- Geophysical and meteorological sciences
- Entertainment and media production
- Visualization and rendering
- Finance

Extending HPC access

HP is making HPC resources available as part of a service hybrid cloud solution (with the Apollo 6000 system). Based on HP OpenStack, it provides an open and scalable HPC cluster infrastructure.

HP has also partnered with Intel, as well as institutions such as George Mason University and the National Center for Manufacturing Sciences, to make HPC resources available in HPC innovation hubs. These hubs give small- and medium-sized manufacturers access to supercomputing resources, hardware, software, and expertise, so they can do the modeling and simulation needed to bring new products to market faster.

Service providers

HPC customers use IT differently from corporate IT organizations. An HPC customer's expenditure on IT often approaches 90% of the total cost of the business—10 times that of a corporate IT organization. And the IT growth rates for a service provider can be many times the IT growth rate of a corporation. For service providers, IT is the business.

Within HPC, HP customers are continually looking for better performance to design better products, get to market faster, and achieve faster trading where microseconds translate to millions of dollars.

QUESTION 18

Which HP High Performance Computing technology provides workload balancing based on BladeSystem Enclosure Dynamic Power Capping?

- A. Moonshot
- B. Apollo 6000
- C. ProLiant ML
- D. ProLiant DL

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

Manufacturing firms use GPU-based SL servers to accelerate the design and development of their products. Scholastic, research, and medical institutions implement large installations to empower their research labs. High-performance computing significantly reduces the time it takes to render motion picture frames in the process of animating movies.

The Apollo family of HPC systems can deliver up to four times the performance of standard rack servers while using less space and energy. Apollo builds on the HP legacy of server leadership and innovation; HP leads the market in the creation of x86 servers, server blades, and HP Moonshot extreme lower-power, software-defined servers.

QUESTION 19

What is M.2?

- A. An industry standard computer bus interface that supports both Serial ATA(SATA) and PCI Express (PCIe) storage devices
- B. A specification for internally mounted computer expansion cards and associated connectors.
- C. 2 replaces mSATA standards
- D. A nonvolatile memory card format used in portable devices. M.2 replaces the MMC standard
- E. An industry standard developed in the mid1990s that defines bus components used for communication between computers and electronic devices

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

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M.2, formerly known as the **Next Generation Form Factor (NGFF)**, is a specification for internally mounted computer expansion cards and associated connectors. It replaces the mSATA standard, which uses the PCI Express Mini Card physical layout. M.2's more flexible physical specification that allows different module widths and lengths, together with more advanced features, makes the M.2 more suitable for solid-state storage applications in general, especially when used in small devices like ultrabooks or tablets.^[1]

QUESTION 20

Which memory technology combines the speed and long life of DRAM with the persistent storage of flash memory'?

- A. DDR3
- B. DDR4
- C. NVDIMM
- D. HDIMM

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c03085761&DocLang=en&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0001

NVDIMM technology

Nonvolatile DIMM (NVDIMM) technology combines the **speed and long life** of DRAM with the persistent storage of flash memory, resulting in increased system performance and reliability. Also called *hybrid DIMMS*, NVDIMMs provide performance, cost, and data security advantages for a range of enterprise-class server and storage applications. NVDIMMs can be used for broad application acceleration. They are ideal for hyperscale computing environments focused on cloud computing, big data analytics, high-performance databases, and low-latency applications such as high-frequency trading.

QUESTION 21

On which API is HP OneView's open development program built?

- A. JAVA
- B. UEFI
- C. RESTful
- D. Net

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

REST API and OneView

OneView features an open development platform designed to adapt rapidly to business needs. This programmable platform, built on the REST API, allows enterprises to scale beyond data center walls to the cloud.

After you set up the OneView appliance, you can configure the software-defined templates automatically. For example, you do not have to set up clustering on your own, establish the heartbeat network, install the management server operating system, install the application, or configure separate services.

QUESTION 22

Which HP memory technology validates that the DIMM has passed rigorous HP qualification and test procedures?

- A. Lockstep Memory
- B. Online Spare Memory
- C. Smart Memory
- D. Mirrored Memory

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation/reference:

Introduced in ProLiant Gen8 servers and enhanced in ProLiant Gen9 servers, HP SmartMemory technology unlocks features available only with HP qualified memory. Unlike third-party memory, SmartMemory has a unique signature on each DIMM that authenticates whether the memory has passed the rigorous HP qualification and test process. [Table 1-3](#) compares SmartMemory features with the competition. SmartMemory is capable of enhanced support through HP Active Health System.

QUESTION 23

In which device bay can a D2220sb storage blade be installed when partnered with and placed in the same zone as a half-height blade server?

- A. in a device bay directly below the partner blade
- B. in a device bay directly above the partner blade
- C. in the same device bay as the partner blade
- D. in a device bay adjacent to the partner blade

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Which HP Blade System component provides a secure single point of access for users performing management tasks on server blades or interconnects modules?

- A. Onboard Administrator
- B. Intelligent Provisioning
- C. Insight Display
- D. HP System Management Homepage

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

HP Onboard Administrator

Unique to BladeSystems, the OA ([Figure 3-8](#)) is the enclosure management processor, subsystem, and firmware base used to support the BladeSystem enclosures and all the managed devices contained within the enclosure. It provides a secure single point of contact for users performing basic management tasks on server blades or switches within the enclosure. The OA monitors and manages elements of the enclosure—such as shared power, shared cooling, I/O fabric, and iLO—and is fully integrated into all BladeSystem system management applications.

QUESTION 25

Which ProLiant server line is comprised of expandable tower servers'?

- A. DL
- B. SL
- C. ML
- D. BL

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

Which component has been introduced for HP Gen9 servers'?

- A. Smart Socket Guide
- B. HP Intelligent Provisioning
- C. HP OneView
- D. Flex Slot form factor power supply

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

HP 300 series Flex Slot form factor power supply

Select ProLiant Gen9 servers feature HP Flex Slot power supplies ([Figure 1-20](#)). Flex Slot power supplies represent a new generation of toolless, hot-swappable components that use the cross-platform interchangeability model **introduced** with HP Common Slot power supplies. Flex Slot power supplies achieve the same degree of efficiency as Common Slot power supplies but use 25% less space, thus allowing more room for compute and I/O connectivity functions in the server chassis.

QUESTION 27

Which HP Blade system interconnect module supports FCoE?

- A. MDS 9124e Fabric switch
- B. HP 4XFDR Infiniband switch
- C. Catalyst 3020 Blade switch
- D. Virtual Connect FlexFabric-20/40 F8

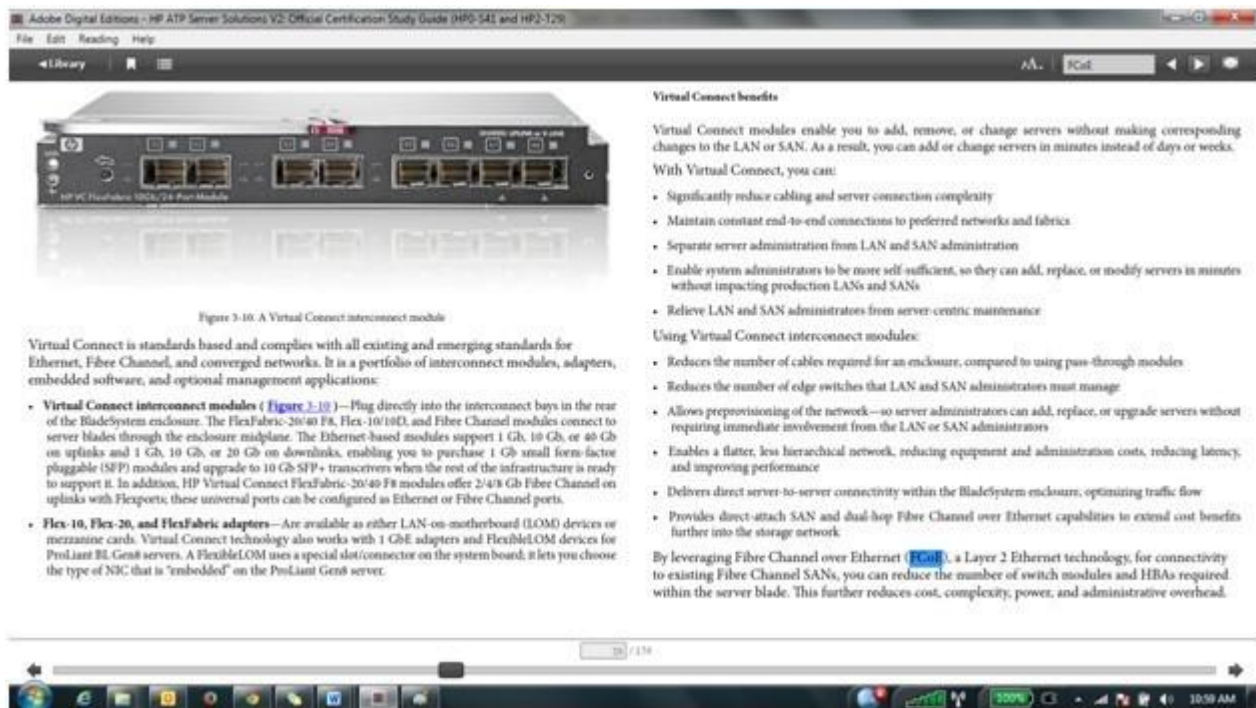
Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:



QUESTION 28

Which adapter can be configured to support FCoE?

- A. Flex-10
- B. Fibre Channel HBA
- C. FlexFabric
- D. VC-Fibre Channel

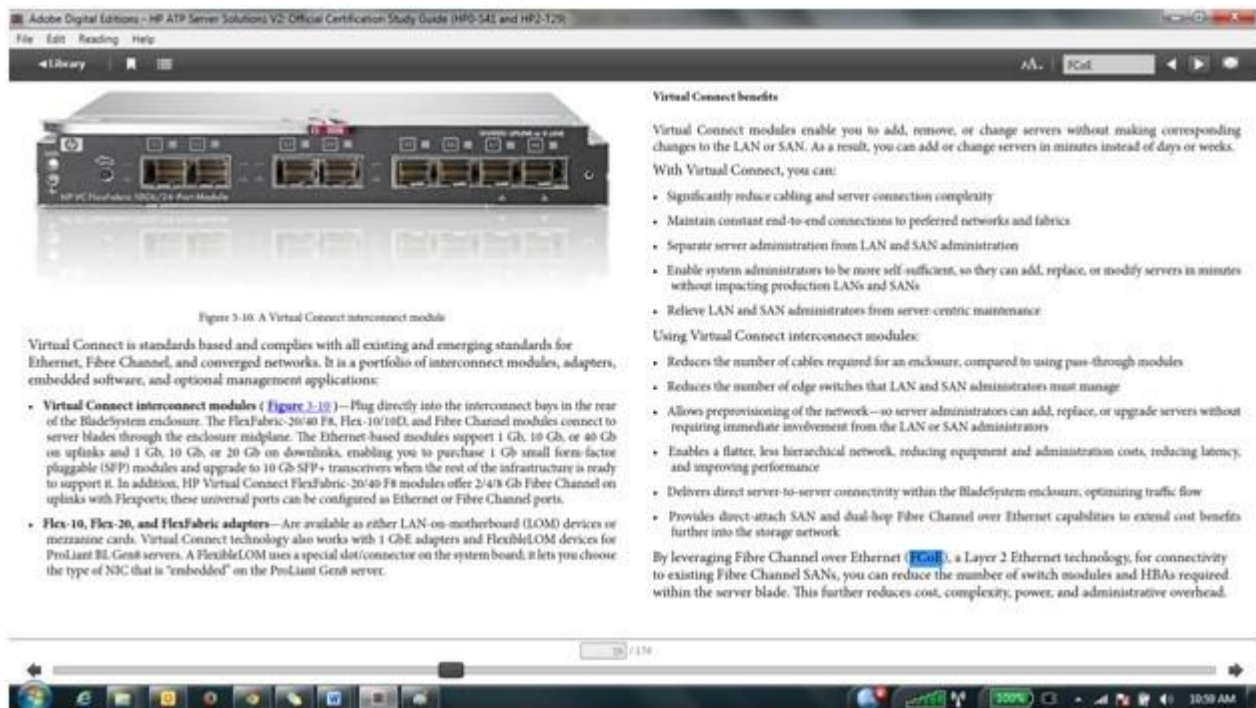
Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation/reference:



QUESTION 29

Which items should be updated to the latest firmware levels prior to adding a c7000 enclosure to HP OneView?(Select two.)

- A. Smart Array Controllers
- B. Virtual Connect Modules
- C. Onboard Administrators
- D. SAS Interconnect Switches
- E. Server System ROMs

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

<http://thesysadminlogs.wordpress.com/>

Adding enclosure to OneView

Let's start with the requirement to add enclosure,

No VC domain!

Firmwares -

- HP Virtual Connect - 3.15 for adding, 4.10 for managing.
- HP BladeSystem Onboard Administrator - 3.0 for adding, 4.01 for managing.
- HP iLO 4 - 1.01 for adding 1.30 for managing.
- HP iLO 3 - 1.20 for adding, 1.61 for managing.
- It's recommended to update OA, VC and servers to the latest SPP...
- Emulex Converged Network Adapters - 4.2.401.6 or later

OneView can automatic update the firmware for you, I advise to update manually before adding to OneView.

QUESTION 30

Which terms describes the ability to merge multiple data protocol (eg. iSCSI, Fiber Channel, Ethernet) on the same server I/O Interface?

- A. Converged Networking
- B. Adaptive Infrastructure
- C. Software Defined Networking
- D. Unified Computing

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

valid and up-to-date.

QUESTION 31

Which interface uses RESTful to connect to management software application?

- A. HP oneView
- B. HP Insight Control

- C. HP System Insight Manager
- D. HP virtual connect Enterprise manager

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

Open integration can address a variety of user needs, including:

- Automating standard workflows and troubleshooting steps
- Automating integrations (for example, a configuration management database)
- Connecting to service desks
- Monitoring resources, collecting data, and mapping and modeling of systems
- Exporting data to formats that suit individual needs
- Attaching custom databases, data warehouses, or third-party business intelligence tools
- Integrating in-house user customizations

OneView resource managers

OneView has a resource-oriented architecture that provides a uniform RESTful interface. Every resource has one uniform resource identifier (URI) and represents a physical device or logical construct. You can use REST APIs to manipulate resources.

QUESTION 32

HP Support has requested information to verify that memory DIMMs are authenticated as genuine HP DIMMs in a ProLiant Gen9 Server. What should you provide to HP?

- A. HP ADU report
- B. HP insight Diagnostics report
- C. HP Active health system report
- D. HP ILO event log

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

Insight Diagnostics—Capture system configuration information and take advantage of detailed diagnostic testing capabilities. Insight Diagnostics provides a comprehensive suite of offline system and component tests, offering in-depth testing of critical hardware components for devices such as processors, memory, and hard drives.

QUESTION 33

Which HP solution contains useful utilities, driver & firmware?

- A. HP Service pack for ProLiant
- B. HP insight Diagnostics
- C. HP insight remote support
- D. HP Smart Storage pack

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

SPP includes firmware not only for servers but also for controllers, storage, blades, and enclosures, as well as other system software components (drivers, agents, utilities), all tested together as a bundled set for an extended cycle. All of these firmware and software components are deployed by HP SUM. SPP deploys system software for Linux- and Windows-based ProLiant and BladeSystem servers and firmware for many VMware-based systems. [Figure 6-11](#) illustrates the SPP firmware update process.

QUESTION 34

How can you access smart storage administrator on an HP ProLiant gen9 server?

- A. By booting the server from smart CD

- B. Through the HP OneView Dashboard
- C. Through a special applet in the iLO4 Card
- D. Through HP intelligent provisioning

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

- **Accessing ACU in the online environment**—This method requires an administrator to download the ACU executables and install them. You can run ACU online after launching the host operating system.



Note

The HP Smart Storage Administrator (SSA) configuration utility replaced the ACU starting with Intelligent Provisioning 1.50.

QUESTION 35

You have a c7000 Enclosure fully equipped with Gen9 Server blades. With HP management platform does HP recommend to manage this environment?

- A. HP Server Automation
- B. HP insight Diagnostics
- C. HP insight Control
- D. HP OneView

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

What are benefits of implementing a blade architecture instead of traditional rack mount server?

- A. Embedded Disaster recovery capability
- B. Shared I/O infrastructure

- C. More predictable MTBF
- D. Reduce Power Infrastructure
- E. Shared Memory

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

Which HP Server family optimized for lightweight workloads including web serving, cloud, and hosted desktop infrastructure?

- A. HP blade System
- B. HP microserver
- C. Hp moonshot
- D. Hp Apollo

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

Moonshot system components

Moonshot systems include four primary components:

- **Moonshot Server Cartridges**—Moonshot Server Cartridges are workload-optimized servers that can handle a wide variety of workloads but are optimized for the lightweight workloads customers request most often—web serving, cloud, hosted desktop infrastructure, and more.

QUESTION 38

Support for which technology has been introduced in ProLiant Gen 9 servers?

- A. Location Services
- B. FlexibleLOMs

- C. NVDIMM Memory
- D. HP OneView

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

Which tool is used to configure and manage the HP c7000 blade enclosure?

- A. Intelligent Management Center
- B. iLO4 Management Engine
- C. Centralized Management Console
- D. Onboard Administrator

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Match the HP Server family to the proper statement

Hot Area:

HP BL servers

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

ProLiant MicroServer

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

HP DL servers

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

HP ML servers

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

Correct Answer:

HP BL servers

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

ProLiant MicroServer

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

HP DL servers

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

HP ML servers

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

Hot Area:

Active Health System

▼

Monitors and records changes in the server hardware and system configuration
Monitors hardware, generates alerts, and runs on the iLO chipset
Provides out-of-the box single-server deployment and configuration capability
Provides secure export of logs to speed up troubleshooting

Intelligent Provisioning

▼

Monitors and records changes in the server hardware and system configuration
Monitors hardware, generates alerts, and runs on the iLO chipset
Provides out-of-the box single-server deployment and configuration capability
Provides secure export of logs to speed up troubleshooting

Embedded Remote Support

▼

Monitors and records changes in the server hardware and system configuration
Monitors hardware, generates alerts, and runs on the iLO chipset
Provides out-of-the box single-server deployment and configuration capability
Provides secure export of logs to speed up troubleshooting

Agentless Management

▼

Monitors and records changes in the server hardware and system configuration
Monitors hardware, generates alerts, and runs on the iLO chipset
Provides out-of-the box single-server deployment and configuration capability
Provides secure export of logs to speed up troubleshooting

Correct Answer:

Active Health System

Monitors and records changes in the server hardware and system configuration
Monitors hardware, generates alerts, and runs on the iLO chipset
Provides out-of-the box single-server deployment and configuration capability
Provides secure export of logs to speed up troubleshooting

Intelligent Provisioning

Monitors and records changes in the server hardware and system configuration
Monitors hardware, generates alerts, and runs on the iLO chipset
Provides out-of-the box single-server deployment and configuration capability
Provides secure export of logs to speed up troubleshooting

Embedded Remote Support

Monitors and records changes in the server hardware and system configuration
Monitors hardware, generates alerts, and runs on the iLO chipset
Provides out-of-the box single-server deployment and configuration capability
Provides secure export of logs to speed up troubleshooting

Agentless Management

Monitors and records changes in the server hardware and system configuration
Monitors hardware, generates alerts, and runs on the iLO chipset
Provides out-of-the box single-server deployment and configuration capability
Provides secure export of logs to speed up troubleshooting

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

You need to verify the System ROM version installed on a number of different HP server models. Select the tool you should use for each server model. Tool choices may be selected more than once.

Hot Area:

BL465 G7

UEFI	▼
UEFI	
RBSU	

DL160 Gen9

UEFI	▼
UEFI	
RBSU	

ML10 Gen9

UEFI	▼
UEFI	
RBSU	

DL580 Gen8

UEFI	▼
UEFI	
RBSU	

Correct Answer:

BL465 G7

UEFI	▼
UEFI	
RBSU	

DL160 Gen9

UEFI	▼
UEFI	
RBSU	

ML10 Gen9

UEFI	▼
UEFI	
RBSU	

DL580 Gen8

UEFI	▼
UEFI	
RBSU	

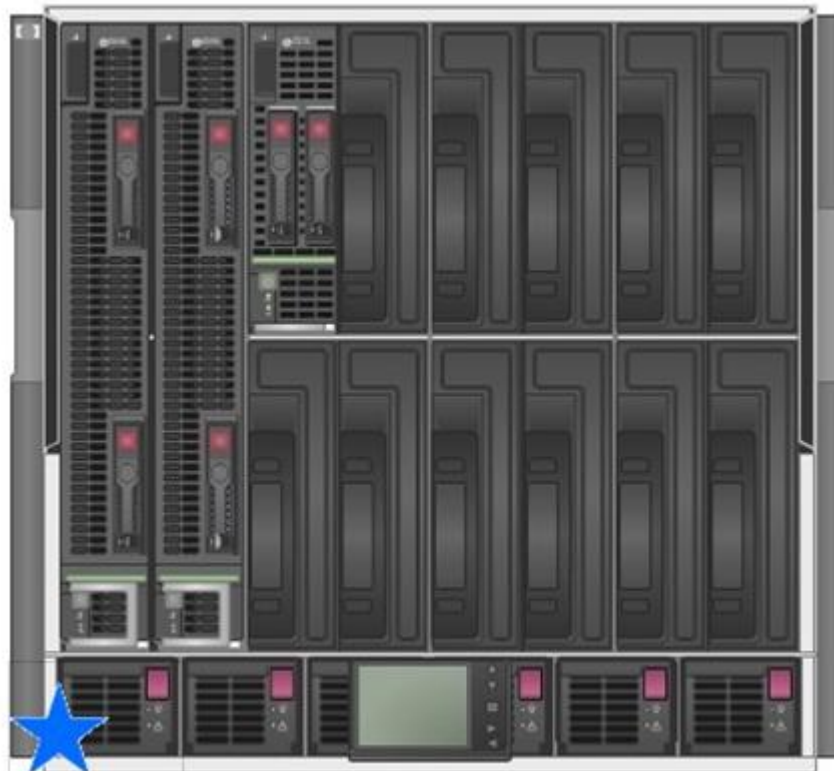
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43

You need to add an additional full height blade to the enclosure shown below and not cause downtime to existing servers. Drag and drop the star to the bay in which you would add the blade.

Hot Area:



Correct Answer:



Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

What is a benefit of using an HP custom image for ESXi?

- A. It contains licenses that enable HP OneView for vCenter Server.
- B. It includes all of the required drivers and management software to run ESXi on HP ProLiant servers.
- C. Its enhanced licensing options are available only for HP ESXi images run on ProLiant.
- D. It is the only way to get VMware support on HP ProLiant servers.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference:

<http://www8.hp.com/us/en/products/servers/solutions.html?compURI=1499005#tab=TAB4>

Why custom HP ESXi Image?

- Based on the standard VMware ESXi ISO, it is the easiest and most reliable way to install ESXi on HP ProLiant servers
- Includes all of the required drivers to run ESXi on HP ProLiant servers
- Installs the management software to enable robust server management
- Works seamlessly with Intelligent Provisioning

QUESTION 45

Your customer needs the ability to remotely power on and power off ProLiant servers. What is the minimum level of iLO license that supports this requirement?

- A. iLO Essentials
- B. iLO Standard
- C. iLO Advanced
- D. iLO Scale-Out

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

What is NVMe?

- A. An updated version of the Versa Module Europa (VME) bus technology
- B. A standard for thin provisioning of virtual machines

- C. An implementation of mirrored non-volatile memory
- D. A bus technology used for accessing Solid State Drives (SSDs)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

NVMe and SCSIe performance

NVM Express (NVMe) is a high-performance, scalable host controller interface (Figure 1-9) designed for enterprise, data center, and client systems that use PCIe SSDs. The NVMe standards-based approach can be adopted across multiple platforms, ensuring interoperability of PCIe SSDs. With a standardized interface for PCIe SSDs, operating systems need only one driver to work with all SSDs in the system that conform to the standard.

QUESTION 47

Which statement is true regarding Virtual Connect FlexFabric-20/40 F8 Modules'?

- A. Four internal stacking links are provided.
- B. There is no support for full height blades
- C. There is mixed traffic support in paired uplinks.
- D. A maximum of six modules are allowed in a single enclosure.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

[Bay 1]	VC FlexFabric-20/40 F8	->	VC FlexFabric-20/40 F8 or Empty	[Bay 2]	FlexFabric Adapter 10/20 LOM
[Bay 3]	VC FlexFabric-20/40 F8	->	VC FlexFabric-20/40 F8 or Empty	[Bay 4]	FlexFabric Adapter 10/20 Mezzanine
[Bay 5]	VC FlexFabric-20/40 F8	->	VC FlexFabric-20/40 F8 or Empty	[Bay 6]	FlexFabric Adapter 10/20 Mezzanine
[Bay 7]	Empty	->	Empty	[Bay 8]	

QUESTION 48

Why would you update HP Intelligent Provisioning on Gen8/Gen9 ProLiant servers'?

- A. to prepare deployment of new operating systems
- B. to update the SA agent used by Insight Control server provisioning
- C. to update microcodes in RBSU/UEFI
- D. to system performance improve the overall

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference:

http://www8.hp.com/us/en/products/servers/proliant-servers.html#tab=TAB5?jumpid=hpr_r1002_usen_link1

QUESTION 49

Your customer wants to tune the performance of Moonshot server clusters in their data center. Which is the optimal tool for this task?

- A. HP Insight Cluster Management Utility (CMU)
- B. HP Cluster Object Manager (COM)
- C. HP OneView
- D. HP ServiceGuard Manager

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

corrected and modified.

QUESTION 50

After a customer installs the supported operating system in a new HP ProLiant Gen8 server, the operating system is unable to boot. Which action should you take?

- A. Reinstall the operating system.
- B. Force a restart from HP OneView Dashboard
- C. Check the drive controller boot order.
- D. Clear the BIOS.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference:

http://h20565.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c01610224&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0003

QUESTION 51

Which HP tool can be used by Intelligent Provisioning to update drivers and firmware?

- A. HP Smart Storage Administrator
- B. HP Smart Update Manager
- C. HP Insight Remote Support
- D. HP ROM-Based Setup Utility

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference:

http://h20565.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c03245683&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0001

QUESTION 52

Which HP iLO Management Engine component monitors and records changes in server hardware and system configuration?

- A. HP Agentless Management
- B. HP Intelligent Provisioning
- C. HP Sea of Sensors
- D. HP Active Health System

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

32. ☒ A. Active Health System is the HP tool that monitors and records changes in the server hardware and system configuration. *For more information, see Chapter 8.*

QUESTION 53

Which BIOS mode is implemented in ProLiant Gen9 Servers'?

- A. UEFI with Compatibility only
- B. Legacy BIOS
- C. Both UEFI and UEFI with Compatibility
- D. UEFI only

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

Which features does HP Care Pack Services provide to customers'?(Select two.)

- A. installation services
- B. Intelligent Provisioning
- C. Agentless Management Service (AMS)
- D. expanded and extended standard warranties
- E. ROI analysis for HP servers

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

- **HP warranties and support**—HP provides a limited warranty for ProLiant servers of either one or three years' parts and labor, depending on the server.
- **Care Pack Services**—A popular support option, Care Pack Services are support packages that expand and extend standard warranties for HP hardware and software. They provide hardware and software support, installation services, education services, and premium support options for business-critical IT environments.

QUESTION 55

Which product is used to provide in-depth testing of critical hardware components, such as CPU and memory?

- A. HP Offline Insight Diagnostics
- B. HPOneView
- C. HP Sea of Sensors
- D. HP Smart Storage Administrator

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference:

http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c00300504&DocLang=en&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0001

- **Insight Diagnostics**—Capture system configuration information and take advantage of detailed diagnostic testing capabilities. Insight Diagnostics provides a comprehensive suite of offline system and component tests, offering **in-depth testing** of critical hardware components for devices such as processors, memory, and hard drives.

QUESTION 56

Which JL04 functionality enables secure export of the Active Health Log to HP Support?

- A. Intelligent Provisioning
- B. Agentless Management Service
- C. Embedded Remote Support
- D. Intelligent Resilient Framework

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation/Reference:

Embedded Remote Support

Embedded Remote Support enables you to easily and securely **export** the Active Health file to an HP Support professional to help resolve issues faster and more accurately. HP Support can receive this data automatically, so it can solve even the most elusive, intermittent issues in a minimum amount of time and with little effort by the local administrator.

QUESTION 57

A c7000 enclosure has been added to HP OneView. How is monitoring enabled on the server blades in this enclosure?

- A. manually from the HP OneView Dashboard view
- B. automatically when the enclosure is added to HP OneView
- C. through a set of customized PowerShell scripts
- D. by installing SNMP Agent on the managed blades

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

Which interface are implemented in HP OneView to allow simple integration into an existing Enterprise Management environment?(Select two)

- A. NET framework
- B. SOAP API
- C. Scripting Change Message Bus
- D. RESTful API

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation/reference:

OneView is designed with an open API and an SCMB to enable easy integration into the full capabilities of the management architecture. The SCMB is an interface that allows custom scripts/integrations to be notified of changes to managed resources (both logical and physical resources) via asynchronous messaging. For example, integration scripts could be notified whenever new server hardware has been added to the managed environment or when the health status of physical resources has changed—without having to continuously poll for status via the REST APIs. All communication between external data consumers and internal components is conducted through the RESTful interface.

QUESTION 59

Which transceiver type is needed to connect to 40Gb Ethernet networks?

- A. QSFP
- B. CX4
- C. XFP
- D. SFP+

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference:

http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c03707430&DocLang=en&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0002

QSFP+ Transceivers and cables

HP BladeSystem c-Class 40Gb QSFP+ MPO SR4 100m Transceiver	720187-B21
HP BladeSystem c-Class 40Gb QSFP+ LC LR4 Transceiver	720190-B21
HP BladeSystem c-Class 40Gb QSFP+ MPO SR4 300m Transceiver	747698-B21
HP BladeSystem c-Class QSFP+ to SFP+ Adapter	720193-B21

QUESTION 60

Automatic system recovery is activated and configured through which system management tool?

- A. SNMPv3
- B. intelligent provisioning
- C. RESTful API
- D. server BIOS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference:

http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c03654081&DocLang=en&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0002

HP ProLiant, Blade - Automatic Server Recovery (ASR)

Information

Automatic Server Recovery (ASR) is configured using RBSU available during the initial boot of the server by pressing the F9 key when prompted.

The Server Availability menu in RBSU includes options that configure the ASR features:

- ASR Status
- ASR Timeout