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Delta - Building HP Server Solutions

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QUESTION 1

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

Reference:

http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c03654081andDocLang=enanddocLocale=en_USandjumpid=reg_r1002_usen_c-001_title_r0002

QUESTION 2

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

- 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 3

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

Explanation:

[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 4

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

QUESTION 5

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

Reference:http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c03085761andDocLang=enanddocLocale=en_USandjumpid=reg_r1002_usen_c-001_title_r0001

QUESTION 6

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

A. DL

B. SL

C. ML

D. BL

Correct Answer: B

QUESTION 7

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

QUESTION 8

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

Explanation:

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 9

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

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.

Explanation:

QUESTION 10

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

A. JAVA

B. UEFI

C. RESTful

D. Net

Correct Answer: C

Explanation:

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.

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