

HP

Exam HP2-E35

Administering HP Converged Infrastructure Solutions

Version: 6.1

[Total Questions: 80]

Question No : 1

Which functionalities are parts of HP Insight Dynamics for ProLiant? (Select three.)

- A. infrastructure orchestration
- B. insight automation
- C. capacity planning
- D. insight provisioning
- E. infrastructure recovery
- F. infrastructure failover

Answer: A,C,E

Explanation:

HP Insight Dynamics for ProLiant - Enable customers to continuously analyse and optimize their virtual and physical infrastructure. This product includes capacity planning, logical server management, and all the functionality of Insight Control. In Addition, it now includes the following functionality that used to require a separate licensing purchase: Orchestration and Recovery Course 00186272

Question No : 2

Which HP Insight Software products enable customers to continuously analyze and optimize their virtual and physical infrastructures? (Select two.)

- A. HP Insight Dynamics for Non-HP Servers
- B. HP Insight Dynamics - VSE for Integrity
- C. HP Insight Control Performance Management
- D. HP Insight Foundation
- E. HP Insight Dynamics for ProLiant

Answer: B,E

Explanation:

DataSheet for HP Insight Dynamics 4AA1-9756ENW

Question No : 3

What is a benefit of HP Performance Optimized Data Center (POD)?

- A. It virtualizes the LAN and SAN network addresses.
- B. It provides single pane of glass management.
- C. It enables temporary expansion of IT facilities.
- D. It enables high speed LAN access.

Answer: C

Question No : 4

What are functions of a FlexFabric adapter? (Select two.)

- A. It consolidates Networking and Storage capabilities into a single adapter.
- B. It changes a 10G NIC into a dual storage converged adapter.
- C. It presents dual purpose communication interfaces to the server.
- D. It creates a flexible network of fabric adapters.
- E. It creates a flexible fabric of fabric adapters.

Answer: A,B

Explanation:

Ethernet Is Now Enhanced – Ethernet and the storage industry have been marching toward a set of standards that will converge classic IP and storage networking infrastructure. This is exactly what the HP integrated FlexFabric Adapter does in the new HP ProLiant G7 server blades.

Converged 10Gb Ethernet (10GbE) LOMs – Until HP's integrated FlexFabric Adapter was introduced, traditional 1Gb LOM solutions were dumb, simplistic and lacked true storage capabilities for the enterprise. The new Fibre Channel over Ethernet (FCoE)-enabled HP

Integrated FlexFabric Adapter, utilizing Emulex's OneConnect UCNA technology, changes the game by adding fully virtualized connectivity and complete hardware protocol offload for IP, iSCSI and FCoE on a pair of 10GbE ports that support up to 900K IOPS and 40Gb/sec transfer rates.

Intelligent 10GbE Virtual Adapters – Emulex's OneConnect UCNA technology works with HP's FlexFabric to create up to eight virtual Network Interface Cards (vNICs) across the dual 10GbE ports to lower costs of connectivity, reduce cabling complexity, save up to 66% on connectivity power and unify management under HP's BladeSystem software.

Consolidating with Converged Switching – HP’s FlexFabric architecture saves not only on adapters and cabling, it is creating a single wire-once networking model that reduces the number of blade switches and cables to reduce hardware cost, power usage and complexity in the data center.

Centralized Provisioning with Convergence – HP’s BladeSystem software and Emulex’s enterprise driver technology enable IT managers to dynamically allocate bandwidth, IOPS, security, quality of service (QoS) and other key network services in a simple and automated manner that reduces deployment time from days to hours.

Question No : 5

Which transport protocol is supported with Fibre Channel technology?

- A. SCSI
- B. SATA
- C. RS-232
- D. Infiniband

Answer: A

Explanation:

Fibre Channel Protocol (FCP) is a transport protocol (similar to TCP used in IP networks).Which predominantly transports SCSI commands over Fibre Channel networks.

Question No : 6

What does the HP Power Regulator for ProLiant servers control?

- A. dynamic power
- B. p-states
- C. smart link
- D. fan speed

Answer: B

Explanation:

Server processors from Intel and AMD have performance state registers that can switch a processor between different performance states (P-states). Through HP Power Regulator technology, HP firmware or the OS can access and change the P-states.

Changing the performance state (the processor frequency and voltage) directs processors to operate at different power levels. This gives you some control over total system power consumption. Tables 1 and 2 show examples of P-states for Intel® Xeon® and AMD™ Opteron™ processors.

Table 1. P-states of the Quad-core Intel Xeon 5670 2.93-GHz processor

P-state	Description	Core Frequency
Pmax	Maximum performance	2.93 GHz
Pmin	Minimum power	1.6 GHz

Table 2. P-states of the AMD Opteron 6174 2.2-GHz processor

P-state	Description	Core Frequency
Pmax	Maximum performance	2.2 GHz
Pmin	Minimum power	800 MHz

Question No : 7

Which statement most accurately describes a logical server?

- A. It is a physical server of the HP ProLiant family.
- B. It is a physical server of the HP Integrity family.
- C. It is a virtual server from the HP list of supported hypervisors.
- D. It is a server supported by HP System Management Homepage.
- E. It can be a physical server or virtual server.

Answer: E

Explanation:

A logical server is defined by a server profile that is easily created and moved across physical and virtual machines. A logical server profile includes the definition of the system services and resources—whether these services and resources are virtual, physical, shared, or unshared—everything that the operating system (OS) and application stack for a given workload require to operate. The logical server profile is managed in software and

can be applied to the creation of a virtual machine (VM) using software-layer abstraction (hypervisor technology as the VM host) or to a physical machine (PM) using physical-layer abstraction (HP Virtual Connect technology as the PM host).

Logical servers simplify routine administrative operations and processes and make the data center more efficient. The logical server also enables flexibility and adaptability of the application/OS workload without impacting shared network and storage domains.

Introducing logical servers: Making data center infrastructures more adaptive

technology brief, 2nd edition <http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01402013/c01402013.pdf>

Question No : 8

Which component helps to abstract the management from physical and virtual servers?

- A. server abstraction item
- B. network node
- C. logical servers
- D. virtual connect

Answer: C

Explanation:

Logical servers are a new class of abstracted servers that allows administrators to manage physical machines and virtual machines using the same management construct. The logical server approach enables administrators to plan, deploy, move, adjust, and manage server instances in their environments regardless of how the logical server is created.

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technology brief, 2nd edition <http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01402013/c01402013.pdf>

Question No : 9

Which HP Insight Software component is used to manage the amount of servers within a resource pool?

- A. performance management
- B. virtual machine management
- C. server deployment
- D. infrastructure orchestration

Answer: D

Question No : 10

Which technology can help address one of the most critical data center issues, power and cooling?

- A. HP Data Center Environmental Edge
- B. HP Insight Orchestration
- C. HP Data Center Power Monitor
- D. HP Operating Environment Monitor

Answer: A

Explanation:

The new HP Environmental Edge technology helps address one of the most critical issues in today's data centers – power and cooling. By visualizing, analyzing and measuring data centers environmental parameters, HP Environmental Edge ensures complete confidence in running more efficient data centers. It clearly bridges the gap between IT and Facilities as both can have deeper insight into their current Data Center environment.

<http://h18000.www1.hp.com/products/servers/solutions/datacentersolutions/environmentaledge/index.html>

Question No : 11

You need to place a newly created logical server on a hypervisor host. Which feature of Insight Dynamics capacity planning helps you in choosing the best available hypervisor host?

- A. hypervisor occupancy alarm