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**Exam** : **HPE0-V14**

**Title** : Building HPE Hybrid IT  
Solutions

**Vendor** : HP

**Version** : DEMO

**NO.1** What has HPE implemented in the HPE ProLiant Gen10 to prevent malware?

- A. silicon root of trust
- B. application isolation control
- C. jitter smoothing
- D. persistent memory

**Answer:** A

**NO.2** A customer is moving a server from a co-location facility back into their existing data center to comply with new internal policies on data management. Due to budget constraints, the customer cannot purchase any additional switches and will need to use an existing end-of-row design with HPE FlexFabric switches. While the server will be installed six racks away from the switches, the total cable run with cable management is expected to be 35 m.

Which component should be selected when designing the 10 Gbps connectivity option for the server?

- A. SFP+ Active Optical Cable
- B. SFP+ Direct Attach Copper Cable
- C. SFP+ 10G LC SR Transceiver
- D. QSFP+ Active Optical Cable
- E. QSFP28 Active Optical Cable

**Answer:** E

**NO.3** A customer has an application that consumes 500 GB storage and requires an RTO and PRO of 15 minutes.

Which backup and recovery technology enables the customer to meet their requirements in the most cost-effective manner?

- A. log shipping
- B. remote storage replication
- C. offsite tape backup
- D. disk-to-disk appliance

**Answer:** D

**NO.4** A customer recently installed a VMware environment with HPE ProLiant servers, HPE MSA storage, and Aruba switches.

What should you recommend to the customer to manage their support contracts with HPE?

- A. HPE Recovery Manager Central
- B. HPE InfoSight
- C. Service Pack for ProLiant
- D. HPE Insight Online

**Answer:** D

**NO.5** A customer considers a new HPE ProLiant DL380 Gen10 as a hardware platform for their application and requires maximum physical security.

For each security-related server component, identify whether it needs to be ordered separately, or whether it is included as part of the server solution.

Included with the server

Needs to be ordered separately

**Answer Area**

Chassis Intrusion detection

Certified TPM 2.0

Silicon Root of Trust

Digitally signed firmware

**Answer:**

Included with the server

Needs to be ordered separately

**Answer Area**

Needs to be ordered separately

Chassis Intrusion detection

Needs to be ordered separately

Certified TPM 2.0

Included with the server

Silicon Root of Trust

Included with the server

Digitally signed firmware

Explanation

## Answer Area

Needs to be ordered separately

Chassis Intrusion detection

Needs to be ordered separately

Certified TPM 2.0

Included with the server

Silicon Root of Trust

Included with the server

Digitally signed firmware

**NO.6** What connection type is identified by the following address type? B4-D5-BD-9F-0A-C3

- A. WWN
- B. iSCSI
- C. MAC Address
- D. IPV6

**Answer:** A

**NO.7** A customer needs to increase the availability and bandwidth of network connectivity to their servers.

Which switch feature meets the customer's needs?

- A. Link Aggregation and Control Protocol (LACP)
- B. Remote direct memory access over Converged Ethernet (RoCE)
- C. Jumbo frames
- D. Virtual Local Area Network (VLAN)

**Answer:** A

**NO.8** When should you choose to populate a server with LRDIMMs?

- A. when error correction is the most important factor
- B. when memory capacity is the most important factor
- C. when price is the most important factor
- D. when memory speed is the most important factor

**Answer:** D

**NO.9** A customer wants to install an HPE Proliant server that has a single dual port 10Gb NIC. Which NIC feature should you introduce to allow each 10Gb port to be seen as four individual adapters in the operating system?

- A. NPAR
- B. RDMA
- C. RoCE
- D. FCoE

**Answer:** A

Reference: <https://h20195.www2.hpe.com/V2/getpdf.aspx/c04312719.pdf?ver=12>

**NO.10** A customer needs to move data residing in one class of disks to a more appropriate class of disks based on data access patterns without manual intervention.

Which HPE MSA storage technology/feature will meet the customer requirement?

- A. Wide striping
- B. Volume Tier Affinity
- C. SSD read cache
- D. Automated Tiering

**Answer:** D

Reference: <https://assets.ext.hpe.com/is/content/hpedam/4aa4-6892enw> (19)

**NO.11** What connection type is identified by the following address type? B4-D5-BD-9F-0A-C3

- A. iSCSI
- B. IPV6
- C. MAC Address
- D. WWN

**Answer:** D

**NO.12** You are installing an HPE Nimble HF20 into a customer's existing rack.

Prior to installation, what should you consider?

- A. An HPE Nimble array has left-to-right airflow
- B. The HPE Nimble array will require 3-phase power
- C. HPE recommends installing the HPE Nimble array at the top of the rack
- D. HPE recommends racks with a depth of 1200 mm

**Answer:** D

Reference: <https://h20195.www2.hpe.com/v2/GetPDF.aspx/a00008274enw.pdf>

**NO.13** Which feature in a block storage array eliminates redundant data through the process of using indexes that refer to the original set of data?

- A. compression
- B. thin provisioning
- C. deduplication
- D. thick provisioning

**Answer:** C

Reference: <https://searchstorage.techtarget.com/definition/data-deduplication>

**NO.14** Which hardware and software components make up a Nimble dHCI infrastructure?

- A. Aruba Switches, HPE Synergy, HPE Nimble, and Hyper-V
- B. HPE M-Series switch, HPE ProLiant DL servers, HPE Nimble, and Hyper-V
- C. HPE M-Series switch, HPE ProLiant DL servers, HPE Nimble, and VMware
- D. Aruba Switches, HPE Synergy, HPE Nimble, and VMware

**Answer:** C

Reference: <https://community.hpe.com/t5/HPE-Storage-Tech-Insiders/HPE-Nimble-Storage-dHCI-Technical-Overview/ba-p/7054163#.XnxfMW5RWQ4>

**NO.15** An HPE customer wants to perform a simplified update of firmware and drivers among their 100 HPE Gen9 and Gen10 racked servers.

Which HPE software tool should the customer use to minimize the time required to perform this activity.

- A. HPE OneView Standard
- B. HPE ProLiant Support Pack
- C. HPE Smart Update Manager
- D. HPE iLO Amplifier Pack

**Answer:** C

Reference: <https://www.hpe.com/us/en/servers/smart-update.html>

**NO.16** You are troubleshooting a POST error on a HPE ProLiant rack-mount server. HPE support has directed you to test a minimum hardware configuration.

Which components should you remove? (Choose two.)

- A. CMOS battery
- B. all cooling fans
- C. all expansion boards
- D. all external storage media
- E. redundant processors

**Answer:** D,E

**NO.17** A customer needs to implement VMware across a few racks of servers. They anticipate a large amount of VM creation and retirement.

What are key technologies in a Top of Rack (ToR) switch that support this environment? (Choose three.)

- A. Smart Rate Support
- B. Deep Packet Buffers
- C. MLAG support
- D. VPN Support
- E. Rapid Configuration Management
- F. PoE support

**Answer:** A,B,C

**NO.18** A customer needs to deploy an application on a newly-installed HPE ProLiant server, but they report that the server is not online. They call you for remote support. The IP address on the production network cannot be reached. You are evaluating the probable root causes of this issue. According to the troubleshooting methodology, what are next two steps? (Select two)

- A. Use OneView to see if the server firmware is up-to-date
- B. Remote console into the ToR switch to check the server's port configuration.
- C. Log in to iLO to see if the server hardware and NIC are online and configured correctly.
- D. Run insight Diagnostics on the Server
- E. Use Microsoft Remote Desktop or VNC to check the server's NIC and IP address configuration

**Answer:** C,D

**NO.19** You are installing HPE ProLiant servers into a rack that will be fully loaded. You also need to install four power distribution units (PDUs) in the rack.

How should you install the PDUs to maximize power distribution and space efficiency?

- A. at the top of the rack with the cables running between the RETMA rails
- B. in the bottom bay of the rack with the outlets facing the front
- C. horizontally on extension bars mounted directly to the frame for improved clearance
- D. vertically, side by side on both sides of the rack with the outlets facing the center

**Answer:** D

**NO.20** You are installing new drives into the internal cage of a HPE ProLiant DL380 server.

How is the drive device number set?

- A. HPE OneView uses the server profile to assign the device number
- B. You must use Smart Storage Administrator to assign the device number
- C. The Smart Array controller assigns the device number automatically based on the bay
- D. The operating system assigns the device number automatically based on the drive installation order

**Answer:** C

**NO.21** A customer is standardized on high-density, rack-mounted servers. They have an application that requires 3 six-drive RAID6 groups and redundant 10 Gb NICs.

What is the highest-density server that meets these customer requirements?

- A. BL460c Gen10
- B. DL580 Gen10
- C. DL360 Gen10
- D. DL380 Gen10

**Answer:** D

**NO.22** A customer requires a management solution that will provide email notifications if hardware errors occur on their servers.

Which management solution provides this functionality?

- A. iLO Advanced Edition
- B. HPE SUT

**C. HPE SUM**

**D. UEFI System Configuration**




**Answer:** A

Explanation

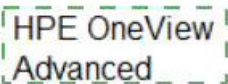
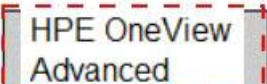


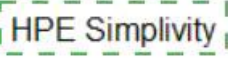

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Reference: [https://support.hpe.com/hpesc/public/docDisplay?docLocale=en\\_US&docId=emr\\_na-a00026111en\\_us](https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=emr_na-a00026111en_us)

**NO.23** Match each HPE solution to its corresponding technology usage.

HPE Solution		Usage
HPE OneView Advanced		single-pane management and monitoring for selected HPE devices
HPE ProLiant		industry-leading server platform for a broad range of workloads
HPE Simplivity		purpose-built hyperconverged solution

**Answer:**

HPE Solution		Usage
 HPE OneView Advanced	 HPE OneView Advanced	single-pane management and monitoring for selected HPE devices
 HPE ProLiant	 HPE ProLiant	industry-leading server platform for a broad range of workloads
 HPE Simplivity	 HPE Simplivity	purpose-built hyperconverged solution

Explanation

## Answer Area

HPE Solution		Usage
HPE OneView Advanced	HPE OneView Advanced	single-pane management and monitoring for selected HPE devices
HPE ProLiant	HPE ProLiant	industry-leading server platform for a broad range of workloads
HPE Simplivity	HPE Simplivity	purpose-built hyperconverged solution

**NO.24** A customer needs the devices in their non-secure network to communicate in a secure manner. They are considering implementing Kerberos network authentication in their environment. Which impact will this have when using iLO 5 with their HPE ProLiant Gen10 servers?

- A. It will enable Zero Sign In to log in to iLO without entering a user name and password.
- B. It will allow the servers' iLO to detect compromised firmware code.
- C. It will enhance iLO security by leveraging the key stored in the silicon root of trust.
- D. It will enable two-factor authentication when users log on to iLO.

**Answer:** A

**NO.25** A customer has two HPE ProLiant Gen10 servers. They both require firmware installation. Which HPE tool should you recommend to performing this task?

- A. Smart Update Manager
- B. iLO Amplifier Pack
- C. OneView Advanced
- D. OneView Standard

**Answer:** B

Reference: [https://www.hpe.com/emea\\_europe/en/servers/smart-update.html](https://www.hpe.com/emea_europe/en/servers/smart-update.html)

**NO.26** A customer just purchased a ProLiant DL385Gemo Plus and warns 10 team more about HPE intelligent Provisioning features.

Which task can the customer complete using HPE Intelligent Provisioning?

- A. install supported ESXt operating system
- B. configure iLO Federation groups
- C. deploy OS patches
- D. configure OS networking

**Answer:** C