



Vendor: Huawei

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QUESTION 1

The customer needs to create a new OLAP backup database for batch import of online database data at night. The data file capacity is about 20TB. The storage array is Huawei OceanStor hybrid flash storage. The stable write bandwidth is required to reach 1800MB/s. Which of the following configurations best meets the customer's requirements?

- A. Use 600GB 15K rpm SAS disk and configure 8D+1 P RAID5
- B. Use 2 TB NLSAS hard disk and configure 8D+1 P RAID5
- C. Use 600GB 15K rpm SAS hard disk and configure RAID10
- D. Use 2TB NLSAS hard disk and configure 8D+2P RAID6

Answer: D

QUESTION 2

In Huawei's active-standby disaster recovery solution, Oracle RAC clusters are deployed at production sites to ensure that the disaster recovery database application can still provide services normally when a production-side failure occurs. Which of the following statements is correct?

- A. The Oracle RAC Grid files on the production side must be copied to the disaster recovery side
- B. The Oracle data files and log files on the production side do not need to be placed in the same consistency group
- C. You can ensure that the disaster recovery end can provide normal services without copying the FRA file on the production end.
- D. The disaster recovery end must be deployed with an Oracle RAC cluster, and cannot be deployed with an Oracle single node

Answer: A

QUESTION 3

Huawei OceanStor all-flash storage system supports IP drift to ensure business continuity and reliability. Which of the following statements about IP drift is wrong?

- A. When "Manual" is selected for the "Failback Mode" of IP drift, the system can switch the service back to the active port only when the active port link is in a normal state and lasts for more than 1 minute when the port failure recovers.
- B. If Ethernet ports A and B are added to VLAN 2, ports A and B belong to the same drift group by default.
- C. An Ethernet port can create multiple logical ports.
- D. If bound port A and physical port B join the same VLAN, as long as one physical port in bound port A fails, the service will be switched to physical port B.

Answer: A

QUESTION 4

The customer's business is very important and has a large amount of data. The customer needs the best possible business continuity. At the same time, the customer needs to be able to provide services to the outside world even when encountering natural disasters (floods/earthquakes). If you were asked to design a disaster recovery network, which network would you choose?

- A. Set up two data centers in the same city for active-active mode, and another data center in a

- different location for asynchronous remote replication.
- B. Set up two data centers in the same city for synchronous replication, and another data center in a different location for asynchronous remote replication.
 - C. Set up two data centers in the same city to form an active-active disaster recovery network.
 - D. Set up a data center locally and in a remote location to form a dual-active disaster prevention network.

Answer: A

QUESTION 5

Huawei's all-flash storage system automatically adds all Ethernet ports and bonded ports in the cluster to which of the following drift groups?

- A. Default Drift Group
- B. VLAN drift group
- C. User-defined drift group
- D. Ethernet port drift group

Answer: A

QUESTION 6

A customer plans to build a disaster recovery center that can take over production business after the production center fails. The customer's business attributes can tolerate a 2-hour business suspension. The disaster recovery center is 50KM away from the production center. The customer requires that the production center and the disaster recovery center adopt 1 mode and provide convenient disaster recovery management.

Regarding the description of the customer's disaster recovery center construction needs, which of the following statements is wrong?

- A. To ensure business continuity, we recommend that the customer use the active-active mode to build a disaster recovery center.
- B. The storage capacity of the disaster recovery center needs to be the same as the data storage capacity of the production center
- C. Customers need to consider the management network, business network, and replication network when planning the network of production centers and disaster recovery centers.
- D. Replication link recommends that this customer use IP link

Answer: A

QUESTION 7

A company purchased a set of Huawei hybrid flash storage. The host is connected to the storage through a fiber optic switch. When planning the configuration of the fiber optic switch, which of the following options is the best configuration?

- A. Each zone contains only one host port and one storage port
- B. Each host only needs one fiber port to connect to the switch
- C. All ports of each fiber optic switch are divided into one zone
- D. Always use high-end fiber switches to ensure network performance

Answer: A

QUESTION 8

A company plans to deploy a disaster recovery system, requiring that when a data center-level failure occurs, the business will not be interrupted and the business data will not be lost. It plans to use a two-site three-center interconnection frame. Which of the following solutions can meet the requirements?

- A. Local high availability architecture based on active/standby mode
- B. Two-site three-center architecture based on dual-center active-standby mode
- C. Two-site three-center architecture based on dual-center mutual backup mode
- D. Two-site three-center architecture based on dual-center dual-active mode

Answer: D

QUESTION 9

Which of the following statements is correct about the multi-NameNode feature of Huawei's distributed storage products?

- A. Only one Active NameNode provides metadata services
- B. NameNode is the metadata request processing node of HDFS
- C. NameNode switching will cause metadata service interruption
- D. NameNode is the data read processing node of HDFS

Answer: B

QUESTION 10

In the Huawei OceanStor 9000 version, in order to experiment with unified management of the video surveillance functions of multiple Huawei OceanStor 9000 products, it is necessary to install the UniformView software. Which of the following description is wrong?

- A. When installing the UniformView software, the user can specify a directory and create a UniformView directory under the directory as the mount root directory.
- B. Use the NFS protocol to mount the specified shared directory to the cluster ID directory in read-only mode through the management IP address.
- C. The administrator executes the mount command on the UniformView client to mount different storage domains using the cluster ID and static IP address.
- D. UniformView parses the mount command and creates directories named after the cluster ID in the mount root directory.

Answer: C

QUESTION 11

A multinational enterprise has a huge business, and its customer business data is scattered in multiple locations, with the distance between each location greater than 1000km. The enterprise hopes to centrally manage the backup data of each site, so that users can analyze and mine all data without affecting normal business. In addition, if any business site suffers a disaster, the enterprise can take over the business and perform data recovery.

In this case, which disaster recovery backup solution should the enterprise choose?

- A. Two-site three-center solution, with asynchronous remote replication between sites

- B. Two-site three-center solution uses synchronous remote replication between sites
- C. Central disaster recovery backup solution, synchronous remote replication is used between business sites and central sites
- D. Central disaster recovery backup solution, asynchronous remote replication is used between business sites and central sites

Answer: D

QUESTION 12

A customer's Huawei OceanStor hybrid flash storage array has a damaged controller and needs to replace the controller. Shortly after the on-site engineer replaced the controller, he found that the alarm indicator of the newly inserted controller was red and there was an audible alarm. How should the on-site engineer handle it correctly?

- A. Restart the storage and observe the phenomenon further.
- B. The faulty controller can be repaired by inserting it into a functioning storage of the same model and version.
- C. Unplug the controller immediately to avoid further impact on the system.
- D. Unplug and plug the alarm controller and observe further.

Answer: D

QUESTION 13

M Company plans to build an off-site disaster recovery center with a disaster recovery distance of 1000KM. The company's daily business growth is 2GB, the data synchronization time is up to 8 hours a day, and the bandwidth utilization rate is about 70%.

In this scenario, what is the minimum network bandwidth required to meet the demand?

- A. 665KBps
- B. 702Kbps
- C. 785KBps
- D. 834KBps

Answer: D

QUESTION 14

A company's business host runs the Linux operating system (CentOS for example). When a storage engineer collects performance data, he needs to use a Linux system performance monitoring tool. Which of the following operations is wrong?

- A. Use the top command to view CPU usage
- B. Use the df command to view storage space
- C. Use the iostat command to view disk IO
- D. Use the free command to view network IO information

Answer: D

QUESTION 15

Bank A uses Huawei's hybrid flash storage to build a 3DC multi-site disaster recovery solution.

Which of the following options are correct regarding the advantages of this solution? (Multiple choice)

- A. Unified storage operating system platform to ensure replication and interoperability of high-end, mid-range and low-end trains
- B. After the disaster recovery center fails, the remaining sites automatically establish a replication relationship to provide continuous data protection
- C. Huawei's disaster recovery management software BC Manager provides one-click disaster recovery drill and disaster recovery switch functions, supporting the recovery of the disaster recovery database within a few minutes
- D. Flexible selection of off-site disaster recovery center disk arrays to significantly improve the input-output ratio of disaster recovery construction

Answer: ACD

QUESTION 16

Customer F plans to purchase Huawei's data protection appliance to protect the production system. The customer's current business status is as follows: The system's business peak time is 9:00-18:00 on weekdays, and the customer requires that the backup time be reduced as much as possible. The business data is a small file, but the total capacity is large. Based on this scenario, when formulating a backup strategy using Huawei's integrated data protection device, which of the following statements is correct? (Multiple choice)

- A. To avoid peak business hours, backup can be performed between 23:00 and 6:00
- B. In the case of massive small files, volume backup is not suitable
- C. If the full backup takes too long, schedule it during the weekend and perform incremental or differential backups every night.
- D. The enterprise backup should be performed at different times, and large data volume backup should be combined with small data volume backup

Answer: ACD

QUESTION 17

The source end is a third-party storage device and the target end is Huawei OceanStor hybrid flash storage. What are the current migration solutions? (Multiple choice)

- A. Snapshot Migration Solution
- B. Local user/group migration solution
- C. Cross-protocol migration solution
- D. Cross-site migration solution

Answer: AD

QUESTION 18

Huawei's heterogeneous virtualization migration solution uses the SmartMigration feature of storage. What are the main benefits of this feature? (Multiple choice)

- A. Compatible data migration between heterogeneous storage systems
- B. Support online business data migration
- C. Convenient performance adjustability

D. Stable data-consistency

Answer: ABCD

QUESTION 19

An archive is going to expand the storage system of its data center. During the capacity planning process, engineers need to consider not only data capacity, file system, RAID level, hot spare space, safe disk, value-added features, etc., but also capacity deviations between hard disk manufacturers and operating systems.

- A. True
- B. False

Answer: A

QUESTION 20

Huawei OceanStor storage system asynchronous remote uses multi-time slice cache technology to make the RPO index of LUN asynchronous remote reach seconds.

- A. True
- B. False

Answer: A

QUESTION 21

In Huawei OceanStor hybrid flash storage, the data, logs, and modification information of a database application are stored in the primary LUN1, primary LUN2, and primary LUN3 respectively, and asynchronous remote replication is created for the three primary LUNs. When the primary LUN2 fails, the database can be started normally through the primary storage system after the data of the primary storage system is restored using the secondary storage system.

- A. True
- B. False

Answer: B

QUESTION 22

In the OceanStor 9000 system, the InfoEqualizer partition cannot be P.

- A. True
- B. False

Answer: A

QUESTION 23

Distributed storage can be used as an independent network element to connect to eSight and OceanStor services.

- A. True

B. False

Answer: A

QUESTION 24

Distributed storage, file storage and object storage can share storage space with block storage and switch freely.

- A. True
- B. False

Answer: B

QUESTION 25

When building a large-scale FC storage network, you will encounter the scenario of FC switch cascading, when multiple FC switches are cascaded.

Which of the following scenarios will cause the switch to isolate the E Port? (Multiple choice)

- A. FC switch name conflict
- B. Conflict occurs in the zones of the FC switch
- C. The IP address of the FC switch conflicts
- D. The FC switch domain ID conflicts

Answer: BD

QUESTION 26

Which of the following businesses can use SmartTier features to improve storage system performance and reduce user costs? (Multiple choice)

- A. ERP
- B. Data Mining
- C. Online shopping
- D. Data warehouse

Answer: AC

QUESTION 27

Which of the following statements about Thin LUN are correct? (Multiple choice)

- A. After enabling the SmartThin feature, users can create a Thin LUN that is larger than the maximum physical available space in the storage pool.
- B. Thin LUN cannot be directly converted to Thick LUN
- C. All LUNs in a storage pool need to enable SmartThin.
- D. Thin LUN consumes very little storage capacity when it is created.

Answer: ABD

QUESTION 28

Which of the following descriptions of high-performance technology in HyperMetro is correct?
(Multiple choice)

- A. In the preferred array mode, when the host service accesses the space, I/O will only be load-balanced and delivered on the preferred array path set by the user. If this mode is configured, the arbitration server mode cannot be configured.
- B. HyperMetro uses the host I/O granularity to add distributed range locks to the LBA intervals between host I/O accesses for concurrent mutual exclusion, thereby achieving the purpose of two-way real-time synchronization. This solution can save unnecessary data transmission bandwidth between arrays and effectively reduce the number of data transmissions.
- C. HyperMetro optimizes the data transmission between arrays at the protocol level through the FastWrite function and applies the First Burst Enabled function of the SCSI protocol, reducing the number of link transmission intersections for write data by half.
- D. Simplified copy uses hardware chips to quickly identify the data copy source. Find the zero data, and during the copy process, specially mark the all-zero data, and only transmit a small special page to the other end instead of the full data.

Answer: CD

QUESTION 29

Which of the following descriptions of HyperMetro's arbitration server mode is wrong? (Multiple choice)

- A. It is recommended that the arbitration server be deployed in a data center with good storage performance. When arbitration is required, high-performance storage can more easily win and continue to provide services.
- B. In arbitration server mode, if a site has priority in obtaining genres, you can also configure site priority.
The priority array has the priority to win the genre. If the heartbeat is interrupted but other functions are normal, the priority array will win the genre.
- C. The active-active domain contains array A, array B, and the arbitration server. If array A and the arbitration server fail at the same time, array B survives and continues to provide services.
- D. If the arbitration server fails, the business will continue to operate normally.

Answer: AC

QUESTION 30

A customer's business application uses a Huawei OceanStor hybrid flash storage system with three pools, all of which are 8D+1P RAID5. One day, a business interruption occurred, and engineers found some scenarios that caused the failure by analyzing the logs. Which of the following scenarios will cause interruption of host access to storage services? (Multiple choice)

- A. In a fully redundant network environment, the master controller is reset.
- B. The POOL where the service is located contains only ThinLUNs and no snapshots, LIN copies, clones, or services are configured. The log contains information indicating that the POOL space is full.
- C. When the BST (bad track mark) function is disabled, BST bad tracks appear on the LUN.
- D. The log contains the following printouts:
[2014-01-19 08:04:40] [Receive a disk-fault event of the disk (328) of pool (2) from Ctrl.] [2014-01-19 08:40:35] [Receive a disk-fault event of the disk (613) of pool (3) from Ctrl.]

Answer: AD

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