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Exam : **H13-629_V2.5**

Title : **HCIE-Storage V2.5**

Vendor : **Huawei**

Version : **DEMO**

NO.1 A company purchased 2 sets of Huawei all-flash storage devices to deploy database services, which were deployed in data center A and data center B in city M, and completed the active-active disaster recovery configuration.

Which of the following failures will not cause business interruption? (Multiple Choice)

- A. City-wide power outage
- B. Single device failure
- C. A network failure occurs between data centers A and B
- D. The network failure of data center A caused by the construction

Answer: B,C,D

NO.2 Which descriptions are correct about the file system remote replication of Huawei OceanStor hybrid flash storage? (Multiple Choice)

- A. The synchronization can be triggered manually by the user or by the system timing.
- B. Data replication based on the base layer
- C. Data replication is performed in a periodic manner based on ROW snapshots.
- D. When supporting file system remote replication, the Quota quota information of the master file system is copied to the slave, and the slave storage system does not need to configure the quota of the slave file system.

Answer: A,C

NO.3 When creating an eDevLUN, when the write-back policy is set, the performance is good, but the reliability is low; when the write-through policy is set, the reliability is high, but the performance is affected.

- A. TRUE
- B. FALSE

Answer: A

NO.4 In the storage pool of the local storage system, the external LUNs mapped through SmartVirtualization will be created as raw storage logical volumes in the form of virtualized data organization. The raw storage logical volumes created in this way are called ().

- A. eDevLUN

Answer: A

NO.5 During the homogeneous migration process, after the host multipath completes the link aggregation of the original LUN and eDevLUN, the migration task can be created and the migration can be started.

- A. TRUE
- B. FALSE

Answer: B

NO.6 OceanStor 18500 uses RAID 2.0 virtualization architecture. When planning and configuring storage, which of the following statements is wrong?

- A. Under the RAID2.0 virtualization architecture, the hot spare space in the storage pool is distributed on each member disk of the storage pool

B. When creating a storage pool, when 8D+IP is selected as the RAID policy for the performance layer, the minimum number of SAS disks in the disk domain where the storage pool is located is 9 disks.

C. A storage pool can create both thick LUNs and thin LUNs.

D. Under the RAID2.0 virtualization architecture, the storage pool can contain three storage layers, and each layer can be configured with multiple different RAID policies.

Answer: D

NO.7 In order to accurately understand the operating status of the storage system, engineers can use the _____ tool to periodically update the system data.

A. eservice

Answer: A

NO.8 Taking Huawei OceanStor distributed storage as an example, which options are correct in the description of the storage interface layer in the software architecture? (Multiple Choice)

A. Support HDFS protocol

B. Support IB protocol

C. Support SCS and iSCSI interface protocols

D. Support S3 and Swift protocols

Answer: A,C,D

NO.9 There is a specification limit on the number of consistent splits for the target Huawei storage SmartMigration. When the number of LUNs of an application exceeds the specification, the host service needs to be stopped once to complete the entire split.

A. TRUE

B. FALSE

Answer: A

NO.10 Which of the following statements about high performance technology in HyperMetro are true? (Multiple Choice)

A. In the preferred array mode, when the host service accesses time, the I/O will only be distributed in load balance on the preferred array path set by the user. Arbiter server mode cannot be configured when this mode is configured.

B. The streamlined copy quickly identifies the source of the data copy through the hardware chip. Find the zero data. During the copying process, for the special identification of all zero data, only a small special page is transmitted to the opposite end, and the full amount is no longer transmitted.

C. HyperMetro uses the granularity of host I/O to perform concurrent and mutual exclusion on the LBA interval between host I/O accesses and distributed range locks, so as to achieve the purpose of two-way real-time synchronization. This solution can save unnecessary data transmission between arrays. Auxiliary bandwidth, and effectively reduce the number of data transmissions.

D. 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, which reduces the link transmission intersection of the write data by half.

Answer: B,D

NO.11 The SmartMigration feature of storage will be used in Huawei's heterogeneous virtualization migration solution. The main advantages of this feature include: (Multiple Choice)

- A. Support online business data migration
- B. Convenient performance tunability
- C. Compatible data migration between heterogeneous storage systems
- D. Stable data consistency

Answer: A,B,C,D

NO.12 According to fault classification, faults that have no impact on storage system performance or host services belong to () faults.

- A. Ordinary

Answer: A

NO.13 Which of the following statements are correct regarding the features of Huawei's hybrid flash storage block service? (Multiple Choice)

- A. HyperCopy: Data protection between devices (LUN copy)
- B. SmartMigration: Incremental-based local data protection (Smart Data Migration)
- C. HyperReplication: Disaster recovery protection between data centers (remote replication)
- D. HyperSnap: Local data protection of full copies (snapshots)

Answer: A,C

NO.14 An enterprise has the following resources:

Production site: Availability Zone 1, Cloud Instance 1, Data Disk 1,

Disaster Recovery Site: Availability Zone 2, Cloud Instance 2, Data Disk 2

Which of the following is correct? (Multiple Choice)

- A. The disaster recovery created is that the site resources are not included in the billing
- B. When creating a protection instance through cloud disaster recovery (SDRS), storage disaster recovery (SDRS) automatically creates the resources required for disaster recovery site storage
- C. The ECS created at the disaster recovery site is powered off by default
- D. Cloud instance 2 data disk vume2 can be directly attached to cloud instance 1 for use

Answer: A,D

NO.15 In the HyperMetro solution, which of the following statements about the arbitration mode are wrong? (Multiple Choice)

- A. If the arbitration mode is static priority, there is no need to have a heartbeat link, because the arbitration server does not need to be configured in this mode.
- B. If there are multiple HyperMetro consistency groups in a HyperMetro domain, you can configure different HyperMetro arbitration modes according to the consistency groups of different services.
- C. The arbitration mode is static priority. When the array at the priority site is actively powered off for maintenance, the array at the non-priority site immediately takes over all active-active services, and services will not be interrupted.
- D. The arbitration mode is static priority. When the array of the priority site is faulty, the non-priority site cannot automatically take over the active-active service, and the active-active service stops, and

the service of the non-priority site needs to be manually started.

Answer: A,B

NO.16 Which of the following statements about metadata is correct?

- A. Storage location of recorded data
- B. Record the difference data that was not successfully written to the target LUN
- C. Storing the actual user data
- D. Recording Data Changes

Answer: A

NO.17 A company plans to perform performance tuning on a set of Huawei hybrid flash storage that uses a decision support system. The storage engineer obtained some information after testing:

- 1) The size of a single IO is 64 KB-1MB;
- 2) The proportion of sequential read IO is 90%;
- 3) The average utilization rate of front-end bandwidth is 90%;
- 4) The host application is a database.

Based on the above information, which of the following performance tuning measures does not meet the requirements of this scenario?

- A. Increase front-end service bandwidth
- B. Use the OLAP model for reference tuning
- C. Use the OLTP model for reference tuning
- D. Using the SmartCache feature

Answer: C

NO.18 When using the block service of Huawei's distributed storage system, a DR cluster with asynchronous remote replication is enabled.

Which of the following is not true?

- A. A single DR cluster cannot meet the needs of rapidly growing DR services.
- B. Users can deploy DR clusters as needed. A DR cluster is a logical solution to provide replication services.
- C. DR cluster has good scalability.
- D. A DR cluster can be deployed on storage nodes or standalone servers

Answer: A

NO.19 Which of the following descriptions about the InfoStamper features of the OceanStor 9000 storage system is incorrect? (Multiple Choice)

- A. Snapshots do not support nesting, that is, under the directory where a snapshot has been created, neither the parent directory nor the subdirectory can create snapshots.
- B. The snapshot root directory (that is, the directory where the snapshot was created) does not support deletion.
- C. Hard links are protected by snapshots, and soft links are not protected by snapshots
- D. For snapshots with an expiration time set, after the snapshot expires, the system will automatically delete the snapshot but not reclaim the storage space occupied by the snapshot data

Answer: B,D

NO.20 In the synchronous replication scenario, the peak write bandwidth of an application is 16MB/s, the average of write bandwidth is 500KB/s, the average write IO size is 8KB, the overhead of private information is about 11%, and the bandwidth utilization rate is 80%. The disaster network bandwidth should not be less than?

- A. 180Mb/s
- B. 22.5Mb/s
- C. 5.5MB/s
- D. 5.5Mb/s

Answer: A

NO.21 If OceanStor hybrid flash memory is used at the same time, which of the following is not suitable?

- A. Front-end and back-end 25GE network
- B. Front-end and back-end common GE network
- C. Front-end 10GE network and back-end 25GE network
- D. Front-end and back-end 10GE network

Answer: B

NO.22 The service host is connected to the storage device through FC SAN, but the mapped LUN cannot be found by scanning on the service host. Which of the following are the possible causes of the failure? (Multiple Choice)

- A. Firewall blocking
- B. The business host does not have multipathing software installed
- C. zone configuration error
- D. The FC optical module of the service host is faulty

Answer: C,D

NO.23 Oceanstor collects information through log collection tools and analyzes it through log analysis tools. Which of the following is correct? (Multiple Choice)

- A. The collected log zip files are deleted, and the files in the directory where the logs are stored can be repackaged for zip analysis
- B. You can configure a public network IP for the storage for remote analysis
- C. The log analysis tool can be run on any P The log analysis tool can be disconnected from the storage. The analysis time depends on the log size.
- D. During the analysis process of the log analysis tool, if you want to interrupt the analysis, you can click the Terminate option to terminate the analysis

Answer: C,D

NO.24 Which of the following statements about the LUN copy or clone of Ocean Storage all-flash storage is correct?

- A. During LUN replication and cloning, host services must be suspended.
- B. LUN copies and clones support incremental synchronization.
- C. LUN copies and clones can be performed on the same storage system.

D. LUN copies and clones back up the data in the source volume at the point in time when the copy or clone started.

Answer: C

NO.25 A company plans to purchase two sets of Huawei all-flash storage devices for deployment of active-active disaster recovery. They will be deployed in data center A and data center B with a distance of 50KM.

It is planned that Engineer A is responsible for completing the configuration operation. Which of the following options is correct? (Multiple Choice)

- A.** Active-active replication link between two sets of storage, using Ethernet link
- B.** The network adopts GE networking
- C.** The multipath software adopts the system built-in MPIO (Multipath Input/Output)
- D.** In the optical switch, configure different VLANs for different services

Answer: A,B

NO.26 In Huawei OceanStor hybrid flash storage, data, logs, and modification information of a database application are stored in main LUDN1, main LUN2, and main LUN3, respectively, and asynchronous remote replication is created for the three main LUNs. When the primary LUN2 fails, the primary storage system can be used to restore the data of the primary storage system, and the database can be started normally through the primary storage system.

- A.** FALSE
- B.** TRUE

Answer: A

NO.27 A hospital needs to archive many patient cases and inspection results generated every day, but the storage resources are limited.

Under the premise of not occupying the transmission bandwidth, which deduplication method is the best?

- A.** Post-processing deduplication
- B.** Online deduplication
- C.** Source deduplication
- D.** Target-side deduplication

Answer: C

NO.28 The source end is a third-party device, and the destination end is Huawei OceanStor hybrid flash storage. What are the current migration solutions? (Multiple Choice)

- A.** Cross-protocol migration scheme
- B.** Snapshot Migration Scenario
- C.** Cross-Site Migration Scenario
- D.** Local User/Group Migration Scenario

Answer: B,C

NO.29 eReplication server supports virtual machine and physical machine installation, software packages are supported to install eReplication server, and FusionSphere openstack can be installed

using templates.

- A. TRUE
- B. FALSE

Answer: B

NO.30 In the FusionStorage system, at least three MDCs are deployed in a system to form an MDC cluster.

When the system starts, the () cluster elects the master MDC among multiple MDCs.

The master MDC monitors other MDCs.

When the master MDC fails, a new master MDC is generated. (Please enter the English abbreviation)

Answer:

ZK

NO.31 Log in to the Huawei OceanStor hybrid flash storage CL window and run the following command: Admin: />create lun name=asdf pool id=0 capacity=2GB lu_type=thin initial_capacity=1GB dedup_enabled=yes After the configuration is complete, the deduplication data granularity is 64KB. It is recommended to modify it as follows: Log in to the CLI window of the Huawei OceanStor full-flash storage system and run the following command: Admin:/>create lun_workload_type general name=test1 io size=64KB dedup_enabled=yes compression_enabled=yes After the configuration is complete, the data deduplication granularity is 64KB.

- A. FALSE
- B. TRUE

Answer: A

NO.32 Which of the following scenarios does NFS not support?

- A. hyper-V
- B. SAP HANA Oracle database
- C. Unix/Linux/AIX/solaris/unix scenarios
- D. VMware/Xen/ Database applications

Answer: A

NO.33 In a large and medium-sized database application, files such as data, logs, and modification records are stored in the associated LUN1, LDN2, and LDN3, respectively, and remote replication tasks 1, 2, and 3 are created respectively, and the engineer replicates these three remotely. The task is added to the consistency group.

Which of the following statements is true in this situation? (Multiple Choice)

- A. If the remote replication task 2 fails during the data synchronization process, the consistency group will continue to complete the remote replication tasks 1 and 3. After the fault is cleared and recovered, the data synchronization of the remote replication task 2 will continue.
- B. These three sets of remote replication can only be transparently added to the consistency group on the primary storage system, and all remote replication slaves must be located on the same remote storage system
- C. When a disaster occurs, use the slave storage system to restore data, and the data in the database

is still valid

D. The remote replication task 2 is accidentally created during the hard data step, and the consistency group will immediately stop the remote replication task 1 to 3

Answer: C,D

NO.34 Which of the following statements about the dry CIFS are correct? (Multiple Choice)

A. Automatically restore the connection to the network when disconnected

B. Use Unicode

C. Share some file blocks with other users

D. Access server local files and read and write these files

Answer: B,C

NO.35 When planning an active-active disaster recovery solution, the business side needs to use cluster applications. Which of the following cluster applications can support the AA working mode?

A. MSCS

B. HACMP

C. Oracle RAC

D. SQL Server

Answer: C

NO.36 Huawei all-flash storage devices need to be planned and designed before deployment. Which of the following does not require planning during storage networking?

A. IP address

B. Management networking

C. Service Networking

D. Heartbeat network

Answer: D

NO.37 A company's data center deploys 2 sets of Huawei all-flash storage. The quorum server implements the active-active configuration of the two storages. The three front-end service application servers are interconnected with the storage through optical switches. Based on this scenario information, which of the following options are correct? (Multiple Choice)

A. The two storages cannot communicate due to network failure. The arbitration server initiates arbitration to determine the storage that will continue to run the business.

B. In the event of a quorum server failure, only one storage can provide services

C. One front-end business application server fails, and the arbitration server initiates arbitration to decide the server (storage) that the business will continue to run.

D. When one storage fails, the other storage will continue to provide services

Answer: A,D

NO.38 In the Huawei OceanStor all-flash storage system, the BBUs of the two controllers have fault alarms. Which description is wrong about the upper-layer service? (Multiple Choice)

A. Business performance is not affected

- B. The system does not work properly
- C. If the device is accidentally powered off at this time, some business data will be lost
- D. The upper-layer business IO read and write will not have any impact

Answer: A,B,D

NO.39 () refers to the device where the user stores the backup data.

- A. Backup media

Answer: A

NO.40 In Huawei's storage system, () is an operation and maintenance tool that integrates cloud computing, servers, and storage.

- A. smartkit

Answer: A