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Exam : **H13-821_V3.0-ENU**

Title : **HCIP-Cloud Service Solutions
Architect V3.0**

Vendor : **Huawei**

Version : **DEMO**

NO.1 After using the elastic scaling service in the application system, a customer found that the service has certain limitations in actual use.

Which of the following descriptions about usage restrictions of auto scaling services is wrong?

- A.** Auto scaling will automatically release the cloud server, so the cloud server in the auto scaling group cannot save the status information and related data of the application
- B.** Auto scaling imposes a quota limit on the number of resources or capacity of the user
- C.** Auto scaling supports vertical expansion, that is, auto scaling can automatically reduce the vCPU and memory configurations of ECS instances
- D.** Applications running on elastically scalable cloud servers need to be stateless and horizontally scalable

Answer: C

NO.2 After an Internet company uses the microservice framework to develop a project, it plans to release it online. It currently plans to use grayscale release. Which of the following description about grayscale release is wrong?

- A.** Component instances that have been published in friendship can still be restored to the state before grayscale release
- B.** During the release process, the application needs a short high line
- C.** In the early stage, only a small number of users can receive the grayscale release version
- D.** If there is a problem with the release, you can roll back to the test version at any time

Answer: B

NO.3 Which of the following descriptions about scalability design in the five principles of enterprise application architecture design is wrong?

- A.** With few changes or even just the addition of hardware devices, the linear growth of the processing capacity of the entire system can be achieved, achieving high throughput and low latency high performance
- B.** When the business of the enterprise grows, the system often needs to expand and grow, and the scalability needs to be continuously improved to ensure the vigorous vitality of the software
- C.** Scalability generally refers to the degree to which a product is in a working or usable state when it is needed and begins performing tasks at any random moment
- D.** The higher the scalability, the more convenient or more resources can be used to respond to network, task processing, database access, etc.

Answer: C

NO.4 High-performance computing elastic cloud servers can provide massive parallel computing resources and high-performance infrastructure services to meet the requirements of high-performance computing and other scenarios.

Which of the following descriptions about the applicable scenarios of high-performance computing ECSs are correct? (Multiple choice)

- A.** MapReduce and Hadoop market-based computing
- B.** Batch workloads, high performance computing (HPC), SAP applications
- C.** Computing and storage systems for genetic engineering, game animation, and biopharmaceuticals
- D.** High-performance front-end clusters, Teb servers, high-performance scientific and engineering

applications, advertising services, video encoding and distributed analysis

Answer: B C D

NO.5 An enterprise already has its own enterprise management system, and now it migrates its IT infrastructure to Huawei Cloud. In order to reduce migration costs, the company hopes that enterprise personnel can use the original enterprise management system account to single sign on to HUAWEI CLOUD.

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

A. Please use the federated identity authentication function of the unified identity authentication service IAM

B. Use the application identity management service One Access to establish a trust relationship between HUAWEI CLOUD and the original enterprise system

C. To activate enterprise management, authority allocation and management must be performed according to the enterprise organization and project

D. Delegate the account permissions on HUAWEI CLOUD to each enterprise member through the unified identity authentication service IAM

Answer: A B C D

NO.6 Huawei Cloud host migration service SMS has the characteristics of smooth migration, efficient transmission, good compatibility, and high security. Regarding the compatibility of SMS, which of the following hosts does SMS support to migrate to Huawei Cloud? (Multiple choice)

A. Cloud hosting on AWS

B. Virtual machines on local private cloud

C. Local VMware virtual machine

D. Local x86 physical machine

Answer: A B C D

NO.7 The resource isolation of docker uses the () feature of Linux

Answer:

namespace

NO.8 The container image service SIR is a service that supports image lifecycle management, provides easy-to-use, safe and reliable image management functions, and supports API and console access.

A. True

B. False

Answer: A

NO.9 Huawei Cloud MapReduce service MRS provides real-time distributed computing cabinets to analyze and calculate massive real-time data streams. In the elevator networking industry, smart elevator data can be uploaded to the MRS streaming cluster for real-time monitoring. In this scenario, the system needs to support access from massive data sources and collect data in real time. Which of the following components need to be included when planning this MRS cluster? (Multiple choice)

- A. Hue
- B. Hive
- C. Kafka
- D. Flume

Answer: C D

NO.10 FunctionGraph is an event-driven function hosting computing service in Huawei Cloud. Using FunctionGraph does not require writing business function codes or setting running conditions. It only needs to configure and manage infrastructure such as servers, and function computing can run elastically and efficiently.

- A. True
- B. False

Answer: B

NO.11 Microservice Engine CSE is a one-stop management platform for microservice solutions. Using a microservice engine enables developers to focus more on the operation and maintenance of business platforms, further improving product delivery efficiency and quality.

- A. True
- B. False

Answer: A

NO.12 Which of the following descriptions about storage disaster recovery service SDRS is correct? (Multiple choice)

- A. Disaster recovery is mainly aimed at major natural disasters such as fire and earthquake, so a certain safety distance must be ensured between the production site and the disaster recovery site
- B. Support GPU acceleration, FPGA acceleration, bare metal servers, and use storage disaster recovery services
- C. The disaster recovery system not only protects data, but also ensures business continuity
- D. The highest level of disaster recovery can achieve RPO=0, backup can set multiple automatic backup strategies at different time points, and restore data to different backup points

Answer: A C D

NO.13 In the actual production environment, security management on the cloud is often performed by configuring security groups and network ACLs.

For security groups and network ACLs, which of the following descriptions about the differences between the two are correct? (Multiple choice)

- A. Apply operation: security group must be selected and automatically applied to the cloud server, network ACL, when creating a subnet, there is no ACL option
- B. Protection object: security group, the protection is at the cloud server level, network ACL, the protection is at the subnet level
- C. Priority: security group, when rules conflict, take effect in the order of binding security groups, network ACL, when multiple rules conflict, the rule with lower priority takes effect
- D. Packet group: security group, only supports triplets of packets, network ACL, supports quintuples of packets

Answer: A B C D

NO.14 There are significant differences between peering connections and VPC endpoints in terms of security, communication clearance, and routing configuration.

Which of the following statements about the comparison between the two is wrong?

- A.** Security, all elastic cloud servers in the virtual private cloud can be accessed by peer-to-peer connections, while VPC terminal nodes can only access single cloud servers created with ndpoint Service, etc.
- B.** CDR overlap, both peering connections and VPC endpoints are supported
- C.** Communication direction, two-way communication is supported between two virtual private clouds that establish a peer-to-peer connection, and the VPC terminal node only supports the designated port of the VPC where the terminal node is located to access the back-end resource where the terminal node service is located
- D.** Routing configuration, after creating a peering connection, you need to add the routing information of the peering connection, and the VPC terminal node service has already configured the corresponding routing information for the user, and the user does not need to configure it again

Answer: B

NO.15 An insurance company plans to migrate the business of the local data center to Huawei Cloud, and adopt the cross-AZ active-standby disaster recovery solution for business deployment. Virtual machine layer for disaster recovery planning

- A.** True
- B.** False

Answer: B

NO.16 The cloud audit service CTS can provide log audit services and support the collection, storage and query of operation records of various cloud resources. Which of the following descriptions about CTS services is wrong?

- A.** It can help enterprises quickly collect event information, which can be viewed on the management console after resource changes
- B.** The event list records the details of tenants' operations on cloud service resources such as creation, modification, and deletion, including management events and data events
- C.** The configuration is flexible and diverse, and multiple trackers can be created in one region, and one tracker can also be configured with multiple object stores to realize classified storage of different types of data
- D.** Support multiple IaaS resource services (such as elastic cloud host ECS), and related events can be stored for a long time through OBS

Answer: D

NO.17 Which of the following descriptions about the disaster recovery solution in two places and three centers is correct? (Multiple choice)

- A.** When the entire production site fails, switch the active and standby status of the database, and then modify the DNS authorization to 0% for the production site and 100% for the disaster recovery site

- B.** Configurations, logs, snapshots, and backups generated by production and disaster recovery centers are replicated across regions through VBS
- C.** The business can be shared between the two regions through DNS, and the disaster recovery center only shares the business when a disaster occurs
- D.** When an AZ of the production site fails, the business system switches to another AZ, and the database master and backup switch
- E.** Deploy RDS database instances in the production and disaster recovery centers respectively, and the databases are 1:1:1 master-slave replication

Answer: A C D E

NO.18 In scenarios where traffic increases rapidly in a short period of time, such as commodity spikes and snap-ups, in order to prevent the back-end application from being suppressed, Kafka can be used to transfer requests between the front-end and back-end systems

- A.** True
- B.** False

Answer: A

NO.19 HUAWEI CLOUD CDN site-wide acceleration combines dynamic and static acceleration. When users request resources, static content is obtained from the nearest edge node, and dynamic content is obtained by intelligently selecting a better route back to the source through dynamic acceleration technology.

- A.** True
- B.** False

Answer: A

NO.20 Kubernetes can restart the container after it senses that the container has crashed. For example, the memory of a Java program leaks and the program cannot work normally, but the JVM process is running all the time. For such a situation where the application itself has a business problem, which of the following probes does Kubernetes use to detect whether the container responds normally to decide whether to restart?

- A.** Monitoring Probes
- B.** Start the probe
- C.** Readiness Probe
- D.** Survival Probes

Answer: D

NO.21 Data Security Center Service DSC is a new generation of cloud-based data security platform, which provides basic data security capabilities such as data classification and data security risk identification, and user data needs to be saved in the designated object storage OBS before sensitive data detection.

- A.** True
- B.** False

Answer: B

NO.22 Which of the following descriptions about various network cloud services is wrong?

- A.** The NAT gateway is the window between the VPC, the Internet, and the private network, and supports cross-subnet deployment and cross-AZ deployment.
- B.** VPC Endpoint can enable connections between different VPCs, enabling cross-VPC service access
- C.** Cloud resolution service DNS allows services in the cloud to access the public network
- D.** Elastic public network IP supports binding with NAT gateway

Answer: C

NO.23 Which of the following types of elastic cloud servers is most recommended for scenarios that require memory, a large amount of data and data access, and require fast data exchange and processing?

- A.** Large memory type
- B.** A accelerated type
- C.** High-performance computing
- D.** General computing type

Answer: A

NO.24 A bank customer wants to migrate its transaction business from a traditional commercial database to a cloud database.

In order to securely access traditional databases, the database migration tool UGO needs to rely on which of the following services as the target database connection agent?

- A.** Cloud Connection Service CC
- B.** Virtual Private Network VPN
- C.** VPC endpoint VPCEP
- D.** Peer-to-peer connection

Answer: C

NO.25 The process of microservice engine CSE registration discovery is described as follows:

1. When the microservice starts, it will register the instance information to CSE, including the basic information of the instance, such as application name, microservice name, instance address, etc.
2. When the microservice needs to call the business data of other microservices, it will query the instance information from the configuration center and cache the local information into the instance. The cache will be updated through mechanisms such as event notification and real-time query
3. Realize point-to-point calls between microservices through real-time cached address information. When there are multiple instances of microservices, different access strategies can be configured

- A.** True
- B.** False

Answer: A

NO.26 Kubernetes uses readiness probes to determine whether a container is ready to accept traffic. Which of the following descriptions about readiness probes is wrong?

- A.** The function of the readiness probe is similar to that of the survival probe. Generally, configuring one in the cluster can meet the requirements. Only in medium/large-scale environments, they will be used together.

- B.** Only after detecting that the Pod is ready will the Service be allowed to transfer the request to the Pod
- C.** The readiness probe supports three detection mechanisms, namely Exec, HTTP GET and TCP Socket
- D.** The readiness probe periodically detects the Pod and judges whether the Pod is ready based on the response

Answer: A

NO.27 Database and application migration UGO's source library portrait function is trained with the key indicators of the database as the characteristics, abstracting the whole picture of the database information.

Which of the following key indicators are the objects of extraction? (Multiple choice)

- A.** DB name and DB creation time
- B.** CPU and memory usage
- C.** Table and SQL Complexity
- D.** IOPS and QPS

Answer: B C D

NO.28 HUAWEI CLOUD has five categories of 20+ security services and 200+ security ecological services, which can meet all aspects of security needs of customers on the cloud.

Different security products have different isolation effects. Now, the four scenarios are as follows. Regardless of the security protection effect, only the resource isolation is considered. What is the order of products that can satisfy these four scenarios in turn?

1. Isolation between instances in the same VPC
2. Isolation between subnets in the same VPC
3. Isolation between different VPCs
4. Isolation between the Internet and VPC

- A.** ACL, security group, cloud firewall CFW, DDoS protection service ADS
- B.** Security group, ACL, cloud firewall CFW, domain name resolution service DNS
- C.** Security Group, ACL, Cloud Firewall CFW, Cloud Firewall CFW
- D.** ACL, Security Group, DDoS Protection Service ADS, Web Application Firewall WAF

Answer: C

NO.29 Security is the basis of architecture design. Designing a secure architecture can minimize the risk of system intrusion and ensure business operation.

Which of the following is not a high-security architecture design purpose?

- A.** Manage IAM through a unified identity, distinguishing system roles and corresponding permissions
- B.** Use the elastic scaling service AS to adjust the number of instances according to the actual situation
- C.** Multi-dimensional monitoring of the system, real-time assessment of system risk
- D.** Use cloud certificate management CCM to manage certificates

Answer: B

NO.30 Huawei Cloud's self-developed database GaussDB (for Redis) provides multiple connection methods. Which of the following connection methods for GaussDB (for Redis) is wrong?

- A. Third-party client connection
- B. Public network connection
- C. Intranet connection
- D. Program code connection

Answer: A

NO.31 With the development of technology, the business of enterprises is also constantly expanding, and the traditional IT architecture gradually reveals its disadvantages. More and more enterprises choose to migrate their business to the cloud. Compared with the architecture on the cloud, which of the following is not a defect of the traditional IT architecture?

- A. IT infrastructure presents a "chimney" structure, which is easy to form resource and information islands
- B. Concurrent analysis throughput of data analysis system is low
- C. Low processing efficiency when there is a large amount of business
- D. The structure is complex and the governance is difficult

Answer: C

NO.32 A user wants to use a message middleware that is ready to use, highly available, and supports the AMQP protocol. Which of the following is recommended?

- A. Kafka
- B. RabbitMQ
- C. Zookeeper
- D. RocketMQ

Answer: B

NO.33 When there are many container instances running in Kubernetes, in order to facilitate management, Kubernetes provides a Label (label) mechanism to classify resources. Which of the following descriptions about Label are correct? (Multiple choice)

- A. The principle is to mark resources during resource allocation through Name space
- B. Various resources can be marked by Label
- C. The specific form of Label is a key-value tag pair
- D. It can be set when creating resources, or added later

Answer: B C D

NO.34 An e-commerce platform held a large-scale promotional event, and the number of visits to the business increased rapidly in a short period of time, which only lasted for a few hours. Which of the following two service combinations can handle this scenario? (Multiple choice)

- A. Uniform scaling service
- B. Public network NAT gateway service
- C. Load balancing service
- D. CDN service

Answer: A C

NO.35 Application operation and maintenance management AOM is one of the important services of Huawei's three-dimensional operation and maintenance. Which of the following functions can be realized by AOM? (Multiple choice)

- A.** Application and resource association analysis: automatic association layer by layer, direct detection of abnormalities
- B.** Unified operation and maintenance monitoring and management: realize resource, application, business - one-stop monitoring and analysis
- C.** Log management: high-performance search and business analysis, digging into the business value of logs
- D.** Application topology: application relationship and abnormalities are clear at a glance, and precise drilling down to locate faults

Answer: A B C