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ACA-Cloud1

ACA Cloud Computing Certification Exam



Exam A

QUESTION 1

Using a cloud computing service is simple and straightforward. One can choose the instance with desired specification, finish payment and then use it right away. Moreover, the underlying physical machines are managed by cloud service providers and transparent to users.

- A. TRUE
- B. FALSE

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2 A/An _____ is a copy of data on a disk at a certain point in time.

- A. image
- B. snapshot
- C. template
- D. EIP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 3

Multiple lower-configuration I/O-optimized ECS instances can be used with _____ to deliver a high-availability architecture.

- A. Server Load Balancer
- B. RDS
- C. Auto Scaling
- D. OSS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4 What is the full name of ECS?

- A. Elastic Compute Service
- B. Elastic Computing Server
- C. Elastic Cost Server
- D. Elastic Communication Server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

Alibaba Cloud does not support Intranet communication between products that are not in the same region, which does not mean _____?

- A. ECS instances in different regions cannot communicate with each other on the intranet.
- B. ECS instances and other products in different regions, such as ApsaraDB for RDS and OSS instances, cannot communicate with each other on the intranet.
- C. Server Load Balancer cannot be deployed for ECS instances in various regions.
- D. Server Load Balancer can be deployed for ECS instances in various regions.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.alibabacloud.com/help/doc-detail/40654.htm>

QUESTION 6

If you are running an online ticket booking service with relatively fixed traffic, then which kind of charging mode is more suitable for you?

- A. Pay-As-You-Go
- B. Prepaid
- C. Paypal-pay
- D. bitcoin-pay

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 7 When we talk about the 'Elastic' feature for ECS product, we are not talking about _____.

- A. Elastic Computing
- B. Elastic Storage
- C. Elastic Network
- D. Elastic Administration

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Your website has high volume of traffic and sudden spikes for a very short time. In this scenario, _____ can manage traffic peak efficiently and maintain a consistent user experience.

- A. Server Load Balancer
- B. Auto Scaling
- C. RDS
- D. VPC

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.alibabacloud.com/blog/designing-a-cloud-based-architecture-for-internet-of-vehicles-iov-series-ii_594263

QUESTION 9 Your website has oscillating traffic peaks that are difficult to predict in advance. In this scenario, it is recommended to use SLB and _____ together with ECS.

- A. RDS
- B. Auto Scaling
- C. VPC
- D. MaxCompute

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10 _____ is a ready-to-use service that seamlessly integrates with Elastic Compute Service (ECS) to manage varying traffic levels without manual intervention.

- A. Server Load Balancer
- B. OSS
- C. RDS
- D. VPC

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

**QUESTION 11**

When using Alibaba Cloud SLB, you can set different weights for backend ECS instances. The higher the weight of a backend ECS instance, the more load will be assigned to it. If an SLB instance has 5 ECS instances in the backend server pool, all of which are healthy. Among these 5 ECS instances, the weight of ecs_inst1 is set to 100. Which of the following statements is correct?

- A. We do not know the weight settings of the remaining 4 ECS instances, so we cannot tell what would happen.
- B. 100% of loads will be assigned to ecs_inst1, and the rest 4 ECS instances will stay idle.
- C. Based on SLB's working mechanism, approximately 20% of loads will be assigned to ecs_inst1.
- D. Based on request level parameters of external requests, all requests with a request level parameter of 100 will be transferred to ecs_inst1.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12 Server Load Balancer can help protect from _____ attack.

- A. DDoS
- B. Virus
- C. Ransomware
- D. SQL injection

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.alibabacloud.com/help/doc-detail/27539.htm>

QUESTION 13 Which of the following statements to OSS bucket is not correct?

- A. Every user can create more than one bucket
- B. Bucket name can be changed after creation
- C. Every bucket should have a unique name
- D. There is no limitation to objects number inside one bucket

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.alibabacloud.com/help/doc-detail/31885.htm?spm=a2c63.p38356.a3.3.43f03bb9a3KjLI>

QUESTION 14

www.company.com is a newly launched social portal for exchanging automotive information. The portal is based on PHP, including 10GB of images, and some JavaScripts files. Currently one single ECS instance is used to host all the application content as well as a MySQL database. With the growing number of users, the portal is getting slower to load images or respond to user requests. Moreover, there will be additional 50GB image content uploaded to the portal every week. Which combination of Alibaba Cloud services below can help resolve the storage and performance issue at the same time?

- A. OSS + CDN combination
- B. OSS + MTS combination
- C. OSS + RDS combination
- D. OSS + ECS combination



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15 Which method is not supported by OSS to create a bucket?

- A. through OSS API/SDK
- B. through ECS instance filesystem directory operation
- C. through oss cmd tool
- D. through cloud console

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

A large shopping mall deploys a new video surveillance system. The five-floor building in which the mall is located installed 35 HD cameras to monitor the major exits. The surveillance system is deployed on an ECS instance, which has four 2 TB data disks to store video data.

However, video data grows rapidly and the engineers find that the ECS will run out of storage space within 2 weeks.

In this case, _____ product is thought to be the best solution for addressing the storage challenge while ensuring quick access to historical video data when needed.

- A. Container Service
- B. ECS
- C. OSS
- D. CDN

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17 Which of the following statements about file uploading to OSS strategy is not correct?

- A. All file uploading method provided by Alibaba Cloud OSS service will support resuming from break point.
- B. If you are uploading some small files (<1m), you can choose using put method to be able finish uploading in one http request.
- C. If you are using OSS to store some log files which are continuously being updated, you better choose streaming method to be able to append to one existing object instead of overwriting.
- D. If you need to upload very large file you better use multi-part uploading to get the capability of resuming from break point.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18 Which of the following scenarios is applicable to use RDS read-only instances?



- A. Reduces the write pressure on the RDS primary instance.
- B. Reduces the read pressure on the RDS primary instance.
- C. Implements data backtracking for the last two days.
- D. Improves RDS storage capabilities.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19 SQL injection is a common application layer attack, usually through building special input parameters and pass it to web applications to steal or sabotage the application data. Which of the following is the target for SQL injection?

- A. Web application
- B. Database
- C. Confidential files on the server
- D. Pictures on server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.rapid7.com/fundamentals/sql-injection-attacks/>

QUESTION 20

A company wants to use Alibaba Cloud service to replace their self-built database, which of the following services should it choose?

- A. AsparaDB for RDS
- B. Server Load Balancer (SLB)
- C. Alibaba Cloud CDN (Content Delivery Network)
- D. Deploy more ECS instances

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21 Which of the following is not the database type supported by RDS?

- A. MySQL
- B. SQL Server
- C. Postgre SQL
- D. Oracle database

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/rds/features/>



QUESTION 22 Which of the following statements is wrong when comparing RDS with self-built database?

- A. RDS features a high availability of 99.95% while self-built database requires you to implement data protection, primary-standby replication, and RAID all by yourself.
- B. RDS provides automatic backup while self-built database requires you to prepare storage space for backup copies and regularly verify that these copies can be restored.
- C. Self-built database supports quick deployment and elastic scaling.
- D. RDS requires no O&M while self-built database requires a dedicated DBA for maintenance, which results in high HR cost.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

A customer uses Alibaba Cloud Auto Scaling service and creates a scaling group. He/she sets the "Minimum number of instances" to 6 and "Maximum number of instances" to 8.

After correctly configuring scaling settings, the customer adds a scaling rule "Remove 5 ECS instances", and creates a scheduled task based on this rule.

And then, the customer checks the scaling group and see it already contains 8 valid ECS instances, he/she then enables this scaling group immediately.

How many ECS instances are left in the scaling group when the scheduled task is activated once?

- A. One
- B. Six
- C. Zero
- D. Five

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

A customer uses Alibaba Cloud Auto Scaling service and creates a scaling group. He/she sets the “Minimum number of instances” to 6 and “Maximum number of instances” to 8.

After correctly configuring scaling settings, the customer adds a scaling rule “Adjust to 10 ECS instances”, and creates a scheduled task based on this rule.

And then, the customer checks the scaling group and see it already contains 6 valid ECS instances, he/she then enables this scaling group immediately.

How many ECS instances are left in the scaling group when the scheduled task is activated once?

- A. Eight
- B. Ten
- C. Six
- D. Five

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25 Auto Scaling is a management service that can automatically adjust elastic computing resources based on your business needs and policies. Which of the following is not the feature supported by Alibaba Cloud Auto Scaling?

- A. Elastic Scale-Out
- B. Elastic Scale-In
- C. Elastic Self-Health
- D. Elastic Self-Diagnostic

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.alibabacloud.com/product/auto-scaling>

QUESTION 26

Auto Scaling is a management service that can automatically adjust elastic computing resources based on your business needs and policies. It supports adding an existing ECS instance into the scaling group but imposes certain requirements on instance region. In this case, which of the following statements is true?

- A. The instance and the scaling group must be in the same region but not necessarily the same zone.
- B. The instance and the scaling group must be in the same region and zone.
- C. The instance and the scaling group can be in different regions and zones.
- D. Each scaling group can span up to two regions. After adding the ECS instance, the number of regions of all the ECS instances in the scaling group must be no greater than two.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

You built an online shop using Alibaba Cloud services (ECS, RDS, ...etc.) and very soon you'll have a campaign that every customer that invites 3 friends will get a 50% off coupon. To avoid HTTP flood attacks and ensure only genuine customers (not bots) joining the event, which security product should you choose?

- A. Anti-DDoS Basic
- B. Anti-DDoS pro
- C. WAF
- D. Server Guard

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

After adding your website to the WAF protection list, you can enable HTTP Flood protection and select an appropriate protection mode for the website Reference:

<https://www.alibabacloud.com/help/doc-detail/43443.htm>

QUESTION 28 Alibaba Cloud provides anti-DDoS products of different levels. If the service availability needs to be kept at 99.9% or higher under DDoS attacks, which of the following is the MOST suitable product?

- A. Anti-DDoS Service Basic
- B. Managed Security Service
- C. Situation Awareness
- D. Anti-DDoS Service Pro

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.alibabacloud.com/product/anti-ddos>

**QUESTION 29**

Anti-DDoS is one of the major features in Alibaba Cloud Security Service. Many websites have experienced different types of DDoS attacks, an accurate understanding of DDoS is crucial to protecting websites. Which of the following descriptions about DDoS attack is the most accurate one?

- A. The main target for DDoS attack is the database.
- B. DDoS attack will try to crack the password through a large number of attempts.
- C. The main purpose of DDoS attack is to make the target server unable to provide service normally, which is one of the network attacks that are most difficult to defend.
- D. The purpose of DDoS attack is to steal confidential information.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30 Alibaba Cloud China Connect is a service that can help international companies do business in China. Which of the following services is not included in China Connect?

- A. Web hosting
- B. ICP Support
- C. Office registration support
- D. Connect your service with Alibaba Group ecosystem

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

A company wants to migrate its system to public cloud platform and they choose Alibaba Cloud. The migration process is very important and they want to ensure that everything works right. Which of the following services can the company choose?

- A. Event Management Service
- B. Aftersales Support
- C. Alibaba Cloud Architecture Design Training
- D. Alibaba Cloud Product Operation Training

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32 You can _____ an ECS instance's configuration. (Choose two.)

- A. upgraded
- B. downgraded
- C. downloaded
- D. uploaded

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.alibabacloud.com/help/doc-detail/25437.htm>

QUESTION 33 You can create a custom image for ECS using which of the followings? (Choose two.)

- A. Data disk snapshot
- B. CPU snapshot
- C. Memory snapshot
- D. System disk snapshot

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.alibabacloud.com/help/doc-detail/25460.htm>

QUESTION 34

You are developing a highly available web application using stateless web servers. Which services are suitable for storing session state data? (Choose two.)

- A. RDS
- B. Table Store



- C. MaxCompute
- D. OSS

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35 Server Load Balancer supports protocols like _____ . (Choose four.)

- A. HTTP
- B. HTTPS
- C. TCP
- D. UDP
- E. MPLS
- F. MQTT

Correct Answer: ABCD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Comprehensive protocol support - ICMP, TCP, UDP, HTTP, HTTPS,

Reference: <https://www.a10networks.com/resources/articles/server-load-balancing>



QUESTION 36 Which 2 OSS object types can be configured as parameter for object lifecycle management? (Choose two.)

- A. Infrequent access
- B. Snapshot
- C. Archive
- D. Chunk

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37 Which three of the following statements about domain name binding to your OSS bucket are correct? (Choose three.)

- A. Your customized domain name will be audited by Alibaba Cloud
- B. your customized domain name need to be put on record in MIIT (Ministry of Industry and Information Technology)
- C. the number of domain names you bind to one bucket can't exceed 20
- D. mapping a domain name to your bucket endpoint is mandatory

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38 Alibaba Cloud relational database service (RDS) is a stable, reliable and elastic online database service. RDS supports below database types _____?
(Choose three.)

- A. MySQL
- B. SQL Server
- C. PostgreSQL
- D. Oracle database

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

Auto Scaling is a management service that can automatically adjust elastic computing resources based on your business needs and policies. Which of the following application scenarios are suitable for Auto Scaling? (Choose three.)

- A. You need to flexibly adjust elastic computing resources based on your business needs, and ECS instances will be added seamlessly to address traffic peaks and surges.
- B. You need to flexibly adjust elastic computing resources based on your business needs, and ECS instances will be reduced automatically to save costs when business needs drop.
- C. When an ECS instance reacts abnormally in a scaling group, Auto Scaling will create a new ECS instance to take over the computing tasks conducted by the faulty instance.
- D. You want to flexibly adjust elastic computing resources based on your business needs, and ECS instances will be automatically upgraded (with more Memory, more powerful CPU) when needed.

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:



QUESTION 40

Alibaba Cloud Monitor service stems from years of experience of server monitoring technology in Alibaba group, leveraging the powerful data analysis capability of Alibaba cloud computing platform to provide monitoring service for various clients' applications and servers. A user receives an alert saying that the IOPS utilization rate for an ECS instance exceeds 80%. Yet, he/she is not sure how to handle the situation, the user may obtain help from Alibaba Cloud through the below methods _____? (Choose three.)

- A. Check ECS or CloudMonitor product documents.
- B. Open a ticket to Alibaba Cloud help desk.
- C. Look for answers in Alibaba Cloud forum.
- D. You cannot obtain any help from Alibaba Cloud.

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

Company A builds a sales management platform based on Alibaba Cloud services, using 3 ECS instances. One of the ECS instance has MySQL installed as the database server of the platform, the other two are used as WEB servers. After some time, due to the rapid increase of employees and sales analysis requests, the performance of the platform is challenged in terms of response time. Through CloudMonitor, it is found that the average CPU usage reaches 70% for the two WEB server ECS instances and the database load reaches 75% for the database server ECS instance. In this situation, company A may choose which Alibaba Cloud services to improve the performance _____. (Choose two.)

- A. Use content delivery network, CDN, to accelerate the caching of the platform's css, JavaScript files etc.
- B. By adding a SLB instance and increase the number of ECS instances to reduce the work load on current ECS instances.
- C. Use RDS to replace existing self-built database, in order to obtain better database performance; also creating RDS read-only instances to handle read-only requests, hence reduce the work load on master RDS instance.
- D. Import data into OSS to share the storage load of the platform.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42

In mainland China, the approval requirements for business record filing vary depending on provincial communication management bureaus.

- A. TRUE
- B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43 You can retrieve data directly from an ECS Image and use it right away.

- A. TRUE
- B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:



QUESTION 44

Server Load Balancer supports health checks for ECS instances and allows user to specify the frequency. If an ECS instance does not qualify the health check, traffic will not be forwarded to that instance, thereby ensuring application availability.

- A. TRUE
- B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45

Server Load Balancer can manage sudden spikes in traffic, minimize response time and maintain 99.99% availability of your web application.

- A. TRUE
- B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Manage sudden spikes in traffic, minimize response time and maintain 99.99% availability of your web application with Server Load Balancer. Reference:

https://arcelon.co.id/product/server_load_balancer.php

QUESTION 46 Alibaba Cloud's object storage (Object Storage Service, OSS for short) can be used to store massive amount of files, but there is still a maximum number of files in a single bucket.

- A. TRUE
- B. FALSE

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

Alibaba Cloud CDN can directly accelerate the access to the files stored in OSS and reduce OSS traffic costs.

- A. TRUE
- B. FALSE

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48 RDS for MySQL is a PaaS, which means after creating the RDS instance, the user does not need to take care of the underlying OS, runtime environment of software packages. These would be taken care of by Alibaba Cloud.

- A. TRUE
- B. FALSE

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

Auto Scaling can automatically remove unhealthy ECS instances from the scaling group (this feature is called Elastic Self-Health). Yet, after removal, the user has to manually add equivalent amount of new ECS instances back to the scaling group.

- A. TRUE
- B. FALSE

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

Alibaba Cloud provides powerful security services (the same level of security services used to support Alibaba Group double 11 shopping festival). However, you have to pay first before using any of the security services.

- A. TRUE
- B. FALSE

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

