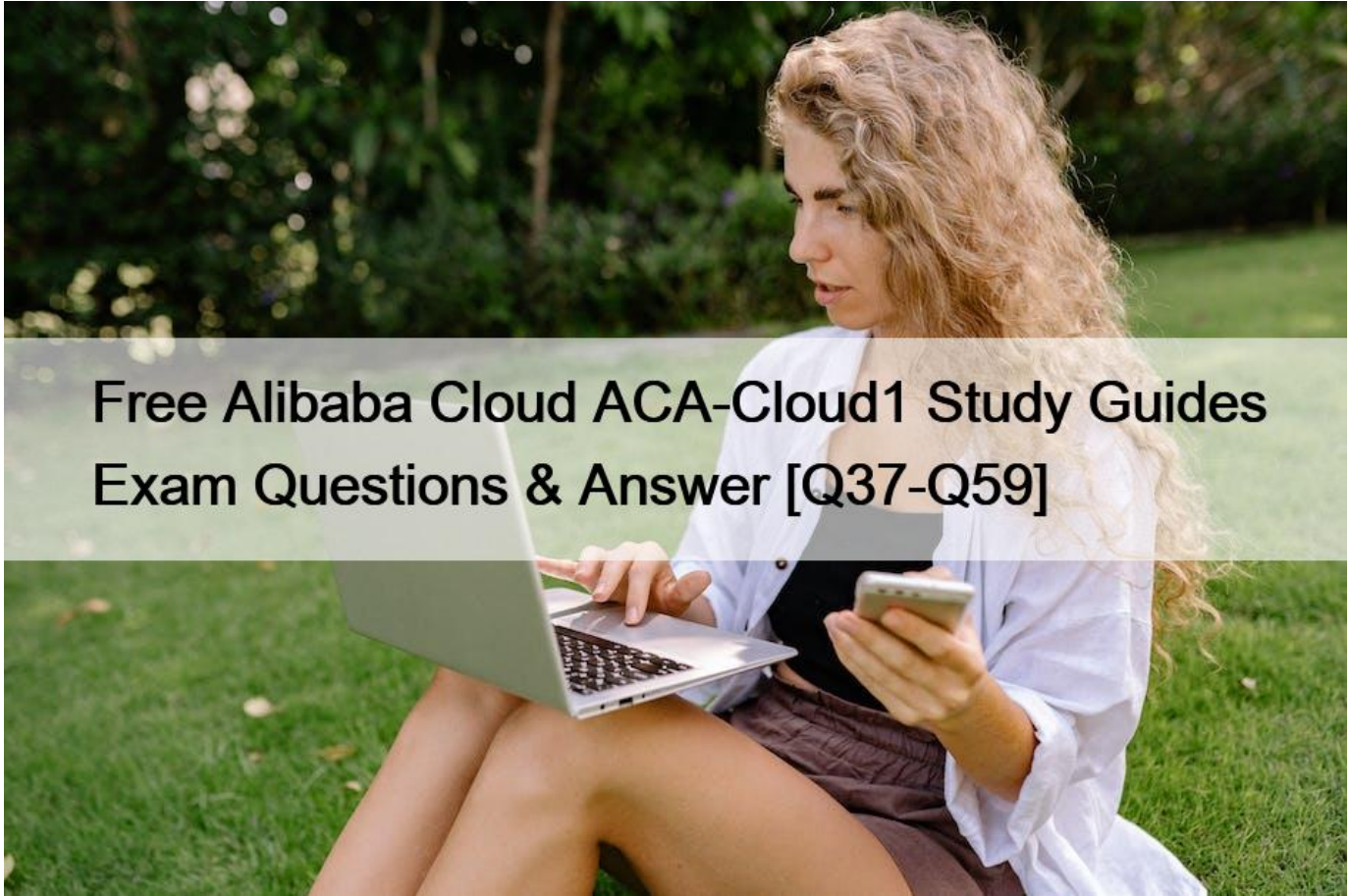


Free Alibaba Cloud ACA-Cloud1 Study Guides Exam Questions & Answer [Q37-Q59]



Free Alibaba Cloud ACA-Cloud1 Study Guides Exam Questions and Answer
ACA-Cloud1 Exam Dumps, ACA-Cloud1 Practice Test Questions

Alibaba Cloud ACA-Cloud1 certification exam covers a wide range of topics, including cloud computing architecture, cloud storage and networking, virtualization, security, and scalability. Candidates are expected to have a solid understanding of these concepts and be able to apply them to real-world scenarios. ACA-Cloud1 exam is designed to be challenging, and candidates must demonstrate their mastery of the subject matter in order to pass.

NEW QUESTION 37

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

- * image
- * snapshot
- * template
- * EIP

NEW QUESTION 38

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

- * MySQL
- * SQL Server
- * Postgre SQL
- * Oracle database

NEW QUESTION 39

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

- * MySQL
- * SQL Server
- * PostgreSQL
- * Oracle database

Explanation

Alibaba Cloud relational database service (RDS) is a stable, reliable and elastic online database service that supports various database engines, such as MySQL, SQL Server, PostgreSQL, MariaDB, and PPAS (PostgreSQL with Oracle compatibility)¹. RDS provides high availability, backup and recovery, security, and monitoring features for your databases. RDS does not support Oracle database, which is a proprietary database system developed by Oracle Corporation². If you need to use Oracle database on Alibaba Cloud, you can deploy it on an ECS instance or use the Oracle Database Backup Service³.

References: 1: Alibaba Cloud Academy, [RDS Concepts](#);

<https://edu.alibabacloud.com/elearning/lesson/ACA-Cloud-Computing-Certification/lesson-5-rds-concepts> 2:

[Oracle, Oracle Database](https://www.oracle.com/database/); 3: Alibaba Cloud, [Oracle Database Backup Service](https://www.alibabacloud.com/product/oracle-database-backup-service);

NEW QUESTION 40

Alibaba Cloud Object Storage Service (OSS) is a massive, highly available, secured and cost effective storage service. One of the special characteristics of OSS is its superior data reliability, because of its underlying backup technology and policies. Which of the following statement about OSS backup is correct?

- * OSS supports 3 internal data copies, no human intervention is required to recover the data when anything goes wrong.
- * OSS leverages RAID0+1 configuration of its underlying physical hard disks. There is no impact even if 2 hard disks were to fail simultaneously.
- * Customer has to safeguard their own data. OSS provides various backup interfaces to facilitate offsite backups.
- * OSS supports 3 internal data copies, so the data can be manually recovered should there be any problem.

NEW QUESTION 41

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

- * upgraded
- * downgraded
- * downloaded
- * uploaded

Reference:

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

NEW QUESTION 42

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?

- * Eight
- * Ten
- * Six
- * Five

NEW QUESTION 43

Server Load Balancer can help protect from attack.

- * DDoS
- * Virus
- * Ransomware
- * SQL injection

Reference:

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

NEW QUESTION 44

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

- * upgraded
- * downgraded
- * downloaded
- * uploaded

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

NEW QUESTION 45

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.)

- * Use content delivery network, CDN, to accelerate the caching of the platform's css, JavaScript files etc.
- * By adding a SLB instance and increase the number of ECS instances to reduce the work load on current ECS instances.
- * 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.
- * Import data into OSS to share the storage load of the platform.

Explanation

A and C are the correct answers because they can improve the performance of the platform by reducing the load on the ECS instances and the database server.

A is correct because using CDN can accelerate the delivery of static content such as CSS and JavaScript files, which can reduce the bandwidth consumption and latency of the ECS instances. CDN can also cache the content in edge nodes closer to the end users, which can improve the user experience and response time of the platform. C is correct because using RDS can replace the existing self-built database, which can provide better database performance, reliability, security, and scalability. RDS can also handle the backup, recovery, monitoring, and maintenance of the database, which can reduce the management overhead and cost of the platform. Moreover, creating RDS read-only instances can handle read-only requests, which can reduce the workload on the master RDS instance and improve the database availability and performance.23 References: 1: CDN Overview 2: RDS Overview 3: RDS Read-only Instances

NEW QUESTION 46

An enterprise hosts their servers (include both Linux and Windows servers) in a traditional IDC. Every night hackers with IP addresses from many countries try to crack the password of their servers, making the administrator terribly worried about this. However, because of work requirements, the remote management port of these servers must be opened to public network.

The administrator heard that Alibaba Cloud has solutions that can help customers improve the security of their systems. Therefore, he/she wants to migrate the system to Alibaba Cloud. Which of the following functions should the administrator activate in Alibaba Cloud to reduce the possibility of brute force password cracking?

- * CloudMonitor
- * Server Guard
- * Anti-DDoS Basic Service
- * Situation Awareness

Explanation

Server Guard is a cloud-based security service that provides real-time protection for servers against intrusion events, such as brute force password cracking. Server Guard consists of a lightweight agent that is installed on the server and a cloud protection center that analyzes and responds to security threats. Server Guard can help the administrator to reduce the possibility of brute force password cracking by providing the following features1:

Password cracking protection: Server Guard can detect and block password cracking attempts on servers, such as SSH brute force attacks on Linux servers and RDP brute force attacks on Windows servers. Server Guard can also alert the administrator of the attack source, time, and frequency, and provide suggestions for password strengthening.

Webshell detection and removal: Server Guard can scan and remove webshells that are maliciously implanted on servers by hackers. Webshells are scripts that allow hackers to remotely execute commands on servers, such as stealing data, uploading files, or launching attacks. Server Guard can identify and delete webshells based on signature matching, behavior analysis, and machine learning.

Anti-virus and anti-ransomware: Server Guard can detect and terminate various types of malware, such as ransomware, mining

programs, backdoor programs, worms, and trojans. Server Guard can also prevent the encryption and deletion of files by ransomware, and restore the files to their original state.

Security baseline check: Server Guard can perform security baseline checks on servers to evaluate their security posture and compliance level. Server Guard can check more than 40 security items, such as system configuration, account management, network security, and log audit. Server Guard can also provide security hardening suggestions and one-click fixes for the detected issues.

Security situation awareness: Server Guard can provide a comprehensive and visualized view of the security situation of the servers, such as the number of attacks, the attack sources, the attack types, the attack trends, and the security score. Server Guard can also provide security reports and recommendations for improving the security level of the servers. References: Security Center

NEW QUESTION 47

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

- * Data disk snapshot
- * CPU snapshot
- * Memory snapshot
- * System disk snapshot

Reference:

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

NEW QUESTION 48

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

- * MySQL
- * SQL Server
- * Postgre SQL
- * Oracle database

Reference:

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

NEW QUESTION 49

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?

- * Web application
- * Database
- * Confidential files on the server
- * Pictures on server

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

NEW QUESTION 50

Server Load Balancer supports protocols like. (Choose four.)

- * HTTP
- * HTTPS
- * TCP
- * UDP

* MPLS

* MQTT

Explanation

Alibaba Cloud Server Load Balancer (SLB) is a service that distributes network traffic across multiple ECS instances to improve the service capabilities of applications. SLB supports the following protocols for the listener configuration:

HTTP: Hypertext Transfer Protocol, a stateless application-layer protocol that is used to transfer web pages and other resources over the internet.

HTTPS: Hypertext Transfer Protocol Secure, an extension of HTTP that uses SSL/TLS encryption to provide secure communication between the client and the server.

TCP: Transmission Control Protocol, a reliable, connection-oriented transport-layer protocol that provides reliable data delivery and error recovery.

UDP: User Datagram Protocol, a connectionless transport-layer protocol that provides fast and efficient data transmission without guaranteeing reliability or order.

SLB does not support the following protocols:

MPLS: Multiprotocol Label Switching, a data-carrying technique that uses labels to forward packets across a network.

MQTT: Message Queuing Telemetry Transport, a lightweight publish/subscribe messaging protocol that is designed for constrained devices and low-bandwidth networks.

References:

Alibaba Cloud Server Load Balancer

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

NEW QUESTION 51

RDS provides whitelist access policies. You can set permitted IP addresses and IP network segments to effectively prevent hackers from attacking the server by port scanning.

* TRUE

* FALSE

Explanation

A is the correct answer because RDS provides whitelist access policies that allow you to set permitted IP addresses and IP network segments to effectively prevent hackers from attacking the server by port scanning.

A whitelist is a security feature that specifies the IP addresses or CIDR blocks that are allowed to access your RDS instance. By default, the whitelist is empty, which means that no IP address can access your RDS instance. You can add IP addresses or CIDR blocks to the whitelist according to your business needs. You can also create multiple whitelist groups and assign different IP

addresses or CIDR blocks to each group. This can help you manage the access permissions of different users or applications

References: 1: Configure a whitelist 2: ApsaraDB RDS:Configure an IP address whitelist

NEW QUESTION 52

ECS can be used along with _____ to store static images, videos, and reducing storage fees.

- * OSS
- * Server Load Balancer
- * RDS
- * VPC

Explanation

ECS can be used along with OSS to store static images, videos, and reducing storage fees. OSS is a fully managed object storage service that provides industry-leading scalability, durability, and performance. OSS can store any amount of data from anywhere, such as static images, videos, backup files, and so on. ECS is a cloud computing service that provides elastic and secure virtual cloud servers. ECS can access OSS resources by using an internal endpoint of OSS, which reduces the network latency and the traffic costs. By using ECS and OSS together, you can benefit from the following advantages:

Improved user experience: You can use OSS to store and deliver static content, such as images and videos, to your users. OSS integrates with CDN products to provide reliable, scalable, flexible, and cost-effective content distribution solutions. You can use ECS to run dynamic applications, such as web servers and databases, that require high performance and availability. ECS provides fast memory and the latest CPUs to help you power your cloud applications and achieve faster results with low latency.

Reduced storage fees: You can use OSS to store large amounts of data at a low cost. OSS offers four tiers of storage: Standard, Infrequent Access, Archive, and Cold Archive. Each tier is cost-optimized for specific storage patterns. You can use lifecycle policies to automatically transition your data to the appropriate storage tier based on your business needs. You can also use Storage Capacity Unit to plan your storage budget and usage in one place. You can use ECS to scale your computing resources up or down based on real-time demands. ECS supports pay-as-you-go and different capacity reservation plans.

You can also use spot instances to reduce your computing costs by up to 90%.

Enhanced security: You can use OSS to protect your data from unauthorized access, deletion, or modification. OSS supports encryption at rest and in transit, anti-leech protection, bucket policies, RAM roles, and more. You can also use your own key (BYOK) encryption to ensure your data is encrypted when it is stored in the cloud platform. You can use ECS to secure your cloud servers from network attacks, such as DDoS and brute force attacks. ECS supports security groups, firewalls, VPCs, SSL certificates, and more. You can also use Resource Access Management (RAM) to control the access permissions of your ECS instances and OSS buckets. References: Use Alibaba Cloud CDN to accelerate access to OSS

NEW QUESTION 53

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?

- * Elastic Scale-Out
- * Elastic Scale-In
- * Elastic Self-Health
- * Elastic Self-Diagnostic

NEW QUESTION 54

As a cloud computing service provider, Alibaba Cloud provides security services including _____. (Choose two.)

- * Security operation for underlying hardware of cloud computing.
- * Application maintenance in ECS instances.
- * Security isolation between cloud computing tenants.
- * IP white list setting for RDS.

Reference:

<https://www.alibabacloud.com/solutions/security>

NEW QUESTION 55

Alibaba Cloud OSS is a cloud storage service that features massive capacity, outstanding security, low cost, and high reliability. To control the access to the files stored on OSS, OSS provides multiple access permissions for each bucket. These bucket permissions are. (Choose three.)

- * Private-read
- * Public-read-write
- * Public-read
- * Private

NEW QUESTION 56

You are developing a highly available web application using stateless web servers. Which services are suitable for the application? (Choose three.)

- * RDS
- * SLB
- * ECS
- * MaxCompute
- * OSS

Explanation/Reference: <http://docs.aliyun.cn-hangzhou.oss.aliyun-inc.com/pdf/slb-faq-intl-en-2017-03-29.pdf>

NEW QUESTION 57

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

- * upgraded
- * downgraded
- * downloaded
- * uploaded

Explanation

You can upgrade or downgrade an ECS instance's configuration to meet your business needs. Upgrading an instance's configuration means increasing the vCPUs, memory, bandwidth, or disk capacity of the instance.

Downgrading an instance's configuration means decreasing the vCPUs, memory, bandwidth, or disk capacity of the instance. You can change the configuration of an ECS instance by using one of the following methods1:

Change the instance type: You can change the instance type of an ECS instance to adjust the vCPUs and memory of the instance. You can change the instance type of an ECS instance in the following scenarios2:

The instance is in the Stopped state and uses a pay-as-you-go billing method.

The instance is in the Running state and uses a subscription billing method, and the new instance type belongs to the same instance

family as the original instance type.

Change the bandwidth configuration: You can change the bandwidth configuration of an ECS instance to adjust the network performance of the instance. You can change the bandwidth configuration of an ECS instance in the following scenarios3:

The instance is in the Stopped state and uses a pay-as-you-go billing method, and the instance is not associated with an EIP.

The instance is in the Running state and uses a subscription billing method, and the instance is not associated with an EIP.

Change the system disk or data disk: You can change the system disk or data disk of an ECS instance to adjust the disk capacity or performance of the instance. You can change the system disk or data disk of an ECS instance in the following scenarios4:

The instance is in the Stopped state and uses a pay-as-you-go billing method, and the disk is not encrypted.

The instance is in the Running state and uses a subscription billing method, and the disk is not encrypted. References: 1: Overview of instance configuration changes – Alibaba Cloud2: Change the instance type of an ECS instance – Alibaba Cloud3: Change the bandwidth configuration of an ECS instance – Alibaba Cloud4: Change the system disk or data disk of an ECS instance – Alibaba Cloud.

NEW QUESTION 58

Alibaba Cloud OSS is a cloud storage service that features massive capacity, outstanding security, low cost, and high reliability. To control the access to the files stored on OSS, OSS provides multiple access permissions for each bucket. These bucket permissions are _____. (Choose three.)

- * Private-read
- * Public-read-write
- * Public-read
- * Private

Explanation/Reference: <https://www.alibabacloud.com/help/doc-detail/100676.htm>

NEW QUESTION 59

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?

- * Anti-DDoS Basic
- * Anti-DDoS pro
- * WAF
- * Server Guard

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>

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