

ACA Cloud Computing Certification

Exam Syllabus

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About ACA Cloud Computing Certification:

Alibaba Cloud Certification Associate (ACA - Alibaba Cloud Certification Associate) is a certification technical designed for personnel who can use Alibaba Cloud Computing products. It covers Alibaba Cloud's core products including computing, storage, networking and security. This certification assesses the certificate holders' possession of the following capabilities:

- Has general knowledge of IT, Cloud Computing and Network Security.
- Is able to develop general solutions and enterprise best practices based on Alibaba Cloud's products and business needs.
- Has knowledge in the use and operation of Alibaba Cloud's ECS, Server Load Balancers, OSS, VPC, Auto Scaling, CDN, Alibaba Cloud Security and CloudMonitor products.

How to register for ACA Cloud Computing Certification:

You can register online through Alibaba Cloud portal. The link is shown below:

<https://www.alibabacloud.com/support/certification>

What you need to pass ACA Cloud Computing Certification:

Alibaba Cloud-related knowledge:

- Familiar with the concepts of Alibaba Cloud Computing related products, including ECS, Server Load Balancers, Auto Scaling, OSS, Alibaba Cloud Security services and CloudMonitor (the same below).
- Aware of main application scenarios of Alibaba Cloud Computing-related products and how they shall be used together.
- Familiar with operations of Alibaba Cloud Computing-related products, including activating, creating, configuring, starting and stopping and deleting a service instance.
- Familiar with features of Alibaba Cloud Computing-related products and key product implementation principles.
- Able to discover and resolve common issues emerged during the use of Alibaba Cloud Computing-related products.

General IT knowledge:

- Familiar with the concepts and related knowledge of Cloud Computing, such as virtualization, storage and networking.
- Has knowledge related to typical web application architecture, including web servers, app servers, Server Load Balancers and databases.

- Familiar with common network protocols such as HTTP, FTP, TCP, UDP and ICMP.
- Familiar with software development lifecycle.
- Has rudimentary knowledge of network security, such as firewall policy, key encryption, access control, network security, and network attack and protection.

Related learning methods, learning materials and training courses:

Recommended Preparation:

- We strongly recommend you register an Alibaba Cloud account and try the products directly.
- Visit the document center on Alibaba Cloud portal and follow the get started guide: (<https://www.alibabacloud.com/help>)

More ways to learn:

- Participation in the face-to-face training courses officially offered by Alibaba Cloud can help you quickly learn about the concepts, usage, operations and solutions of Alibaba Cloud products. Related courses are as follows:
 - i. ACT81001 (<https://edu.alibabacloud.com/training/81001>)
 - ii. ACT81002 (<https://edu.alibabacloud.com/training/81002>)
- Learn, raise questions and communicate on the Alibaba Cloud official forum. (<https://www.alibabacloud.com/forum>)

Certification examination structure and composition:**I. Total mark and examination duration**

The examination paper contains **50 questions**, evaluated out of **100 marks** and must be completed within **90 minutes**.

II. Examination registration

Please register online: (<https://www.alibabacloud.com/support/certification>)

III. Examination type

Close-book examination.

IV. Examination content and ratio

Product name	Proportion in examination
ECS	30%
Server Load Balancer	20%
Object Storage Service (OSS)	15%
Relation Database (RDS)	10%
Auto Scaling	10%
Alibaba Cloud Security Service and Cloud Monitor	10%
General knowledge about Cloud Computing	5%

V. Question types

Question type	Number of questions	Scores
Single selection	30 questions	2 score per question
Multiple selections	10 questions	2 score per question
True-or-false questions	10 questions	2 score per question

VI. Scope of content

- ECS:
 - ✓ Familiar with ECS-related concepts, including regions and zones, instances, disks, snapshots, images, networks, and security groups.

- ✓ Has knowledge about the advantages, billing policies, application scenarios, APIs and SDKs of ECS.
- ✓ Able to deploy applications based on ECS products.
- ✓ Familiar with the usage and operations of ECS instances, disks, security groups, snapshots, images and tags.
- Auto Scaling:
 - ✓ Familiar with the basic concepts related to Auto Scaling, including scaling groups, scaling configuration, scaling rules, scaling activities, scaling trigger tasks, scaling mode and freezing time.
 - ✓ Familiar with Auto Scaling features, product advantages and common application scenarios.
- Server Load Balancer:
 - ✓ Familiar with Server Load Balancer-related basic concepts and features, including the Server Load Balancer definition, implementation principles, supported protocols, session persistence, health checks, backend server weights, certificates, and forwarding policies.
 - ✓ Familiar with Server Load Balancers product advantages and its application scenarios.
 - ✓ Has knowledge about usage, operation and maintenance of Server Load Balancers, including Server Load Balancer configuration, maintenance, precautions, and problem identification and handling.
- OSS:
 - ✓ Familiar with the OSS-related concepts, including regions, buckets, objects, anti-leech, and object lifecycle management.
 - ✓ Has knowledge about the advantages, application scenarios and billing models of OSS products.
 - ✓ Has knowledge about the management, use and operations of OSS buckets and objects.

- RDS:
 - ✓ Familiar with the RDS-related concepts and the database type supported, include MySQL, SQL Server, PostgreSQL and PPAS.
 - ✓ Has knowledge about the advantages, application scenarios and billing models of RDS products.
 - ✓ Has knowledge about the management, use and operations of RDS instance, such as connecting to RDS, read only and backup, etc.
- Alibaba Cloud Security services and CloudMonitor:
 - ✓ Has basic security awareness and security basics of using Cloud services.
 - ✓ Has knowledge about Alibaba Cloud Security series, such as Anti-DDoS Basic, Anti-DDoS Pro, Security Center and CloudMonitor.
- General knowledge about Cloud Computing:
 - ✓ Practitioners in the cloud computing field are required to possess basic knowledge about the related concepts, technologies and cloud computing advantages, including the definition, features, advantages, service types, implementation technologies and deployment methods of cloud computing.