Alibaba 81002 & 81005 Cloud Computing Technical Operations for ACP Cloud Computing Certification

Duration: 2 days

Part 1
Description

This part is designed to enable Developers, Technical Operators, Solution Design Engineers with the deployment and management skills of core Alibaba Cloud products. It covers the specific Alibaba Cloud features and tools for configuration and deployment. Moreover, it includes a number of intuitive online labs led by experienced instructor that can help you obtain direct hands-on experience.

Objective
This part is designed to cover the following topics:
- Understand the characteristics of Alibaba Cloud products (like ECS, SLB, RDS, OSS) and how they should be operated to perform certain tasks
- Learn how to configure a set of ECS instances that launch behind a load balancer, with the system scaling up/down according to real world demand
- Learn how to enclose resources in virtual private networks with VPC
- Understand the fundamental architecting design concept by putting ECS/SLB/RDS/OSS together

Intended Audience
- Cloud Developers that are interested in Alibaba Cloud
- Technical Operator, Solution Design Engineer that aim to adopt Alibaba Cloud

Outline
- Alibaba Cloud Services Overview
- Elastic Compute Service (ECS)
- Server Load Balancer (SLB)
- Object Storage Service (OSS)
- Relational Database Service (RDS)
- Q & A

Hands-on Lab
ECS, SLB, RDS, OSS

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Part 2
Description

In this part, we will not only review fundamental technical operations, but also introduce the advanced cloud services like Alibaba Cloud Virtual Private Cloud (VPC), Auto Scaling, Content Distribution Network (CDN), Alibaba Cloud Security Service. Introduce the key knowledge in these products, how they should be operated with hands-on lab and finally recap some general knowledge about Cloud Computing.

Objective

This part is designed to cover the following topics:

- Understand the characteristics of Alibaba Cloud products (VPC, Auto Scaling, CDN, Alibaba Cloud Security Service) and how they should be operated to perform certain tasks
- Setup vRouter, vSwitch and configure them to establish a working VPC environment
- Utilize SLB, Cloud Monitor and Auto Scaling service to manage resource consumption and dynamically add/remove instances into the resource pool
- Understand Alibaba Cloud Security Service portfolio and how these services should be incorporated to better secure your online system

Intended Audience

- Cloud Beginners, Developers that are interested in Alibaba Cloud
- Technical Operator, Solution Design Engineer that aim to adopt Alibaba Cloud

Outline

- Content Delivery Network (CDN)
- Auto Scaling
- Resource Management and Monitoring
- Introduction of Alibaba Cloud Security Products
- Alibaba Cloud Certification Exam Preparation
- Q & A

Hands-on Lab

Security Group, VPN gateway