

### **Roopu Cloud is an official Tencent Cloud Training partner**

#### **Description**

Tencent Cloud Associate Solutions Architect course covers the fundamentals of building IT infrastructure on Tencent Cloud. The course is designed to teach solutions architects how to optimize the use of the Tencent Cloud platform by understanding Tencent Cloud services and how these services fit into cloud-based solutions. Because architectural solutions can differ depending on industry, type of applications, and size of business, this course emphasizes best practices for the Tencent Cloud platform, and it recommends various design patterns to help you think through the process of architecting optimal IT solutions on Tencent Cloud.

#### **Intended Audience**

The course is intended for Developers, Technical Operators, Solution Architects and Engineers.

#### **Prerequisites**

This is an entry-level course, but it assumes the following:

- Complete the Tencent Cloud Practitioner course or have equivalent experience
- A working knowledge of distributed systems
- Familiarity with general networking concepts
- A working knowledge of multi-tier architectures
- Familiarity with cloud computing concepts

#### **Delivery Method**

This training is delivered by an official Tencent Cloud instructor.

#### **Hands-On Activity**

This course includes hands-on labs led by experienced instructors to help you obtain direct hands-on experience on those products' configuration and operations.

#### **Certification**

This course covers all topics and prepares you for the Tencent Cloud Associate (TCA) Solutions Architect certification exam.

# Training Outline

Tencent Cloud Associate (TCA) Solutions Architect

## Duration

Approximately 8 hours.

## Course Outline

Section	Content
Module 1	<b>Cloud Architecture Design Basics</b> <ul style="list-style-type: none"><li>- Cloud Architecture Solutions</li><li>- Designing a Workable Solution</li></ul>
Module 2	<b>Designing Tencent Cloud Basic Infrastructure</b> <ul style="list-style-type: none"><li>- Deployment Area Selection</li><li>- Service Configuration Selection</li><li>- Network Environment Design</li><li>- Data Storage Design</li></ul>
Module 3	<b>Designing High-availability Cloud Architecture</b> <ul style="list-style-type: none"><li>- Overview of High-availability Cloud Architecture</li><li>- High-availability Network Design</li><li>- Scalable Architecture Implementation</li><li>- Serverless Architecture Implementation</li></ul>
Module 4	<b>Designing Multi-layer Decoupling Cloud Architecture</b> <ul style="list-style-type: none"><li>- Decoupling Design</li><li>- Designing Communication Solutions Between Components</li><li>- API Gateway</li></ul>
Module 5	<b>Designing High-performance Cloud Architecture</b> <ul style="list-style-type: none"><li>- Overview of High-performance Architecture</li><li>- Data Acceleration Solutions</li><li>- Network Acceleration Solutions</li></ul>

# Training Outline

Tencent Cloud Associate (TCA) Solutions Architect

Module 6	<b>Common Issues and Optimization of Tencent Cloud Architecture</b> <ul style="list-style-type: none"><li>- Common Architecture Issues and Optimization Strategies</li><li>- Architecture Optimization Case Study and Recommendations</li></ul>
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