

# Training Outline

## Tencent Cloud Associate (TCA) Developer

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

### Description

Tencent Cloud Associate Developer is designed to gain technical expertise in deploying using cloud technologies and prepare them to take the Tencent Cloud Associate Developer certification exam.

### Intended Audience

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

### Prerequisites

This course requires a strong foundation in IT concepts and skills. To ensure success in this course, you should have:

- 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) Developer certification exam.

### Duration

Approximately 8 hours.

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Section	Content
Module 1	<b>Essentials of Cloud Development</b> <ul style="list-style-type: none"><li>- Traditional Application Development</li><li>- Cloud Application Development</li></ul>
Module 2	<b>Getting Started with Development</b> <ul style="list-style-type: none"><li>- Overview of Tencent Cloud</li><li>- Preparations for Development in Tencent Cloud</li><li>- Overview of Tencent Cloud API</li></ul>
Module 3	<b>Local Application Migration to the Cloud</b> <ul style="list-style-type: none"><li>- Migrating Local Application to the Cloud</li><li>- Using CVM Features</li></ul>
Module 4	<b>Cloud Application Development</b> <ul style="list-style-type: none"><li>- TencentDB for MySQL</li><li>- TencentDB for MongoDB</li><li>- COS</li></ul>
Module 5	<b>Design and Development of Cloud Native Applications</b> <ul style="list-style-type: none"><li>- Overview of Cloud Native</li><li>- Key Technologies for Cloud Native Architecture</li></ul>
Module 6	<b>Distributed Caching and Message Queuing</b> <ul style="list-style-type: none"><li>- Overview of Caching</li><li>- TencentDB for Redis</li><li>- Overview of Message Queuing</li><li>- CMQ</li><li>- CKafka</li></ul>
Module 7	<b>Serverless Architecture</b> <ul style="list-style-type: none"><li>- Overview of Serverless Architecture</li><li>- Overview of SCF</li></ul>
Module 8	<b>Overview of AI Application Development</b> <ul style="list-style-type: none"><li>- Overview of AI</li><li>- Overview of Tencent Cloud AI Platform</li></ul>