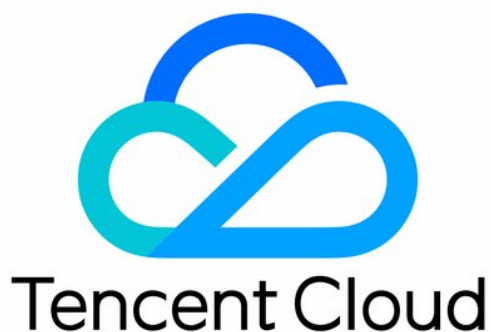


# Tencent Smart Advisor-Tencent RTC Copilot

## Product Introduction Product Documentation



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# Product Introduction

## Overview

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TRTCC (Tencent Real-Time Communication Co-pilot) serves as a dedicated Advisor application, embodying Tencent Cloud's Intelligent Assistant for a one-stop service across the entire lifecycle of real-time audio and video (TRTC) services. For audio and video related projects throughout their development lifecycle, TRTCC offers solution architecture, access guidance, migration assistance, risk patrol, and troubleshooting analysis as part of its full-process service support. Using TRTCC can significantly enhance your development efficiency for integration, ensuring a high-quality online operation for your project.

## Product Features

### Scenario-Based Solutions

The scenario-based solutions of TRTCC currently cover multiple fields, such as social entertainment, online education, e-commerce live streaming, and video call. TRTCC also provides corresponding quick access guides and demos. These solutions summarize the scenario architecture, implementation scheme, key service logic, and FAQs of popular TRTC application scenarios. Developers can quickly get familiar with the scenarios and efficiently access TRTC and launch projects. For details, see [Scenario-Based Solutions](#).



# Strengths

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## Convenient Access

Solutions covering multiple TRTC scenarios in social, entertainment, online education, and other fields and corresponding access guides can help you quickly get familiar with the implementation of related scenarios and efficiently access TRTC.

## Easy Migration

TRTCC provides TRTC APIs, documents, and sample code corresponding to the users' APIs. Users can use migration assistance of TRTCC to quickly migrate to TRTC.

## Stable Operation

The health status of TRTC can be analyzed based on the business applications to identify risks and potential threats, provide optimization suggestions, and help improve the stability and user experience of TRTC.

## Efficient Troubleshooting

A problem analysis and handling solution covering all application scenarios of TRTC is developed based on the experience of TRTC expert services over the years. Users can subscribe to the inspection service to improve troubleshooting efficiency and guarantee service quality.

# Use Cases

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## Access to TRTC

Scenario-based solutions systematically describe the functional modules of common TRTC scenarios and the technical implementations. Together with corresponding demos and code, they can help developers quickly get familiar with scenario implementation schemes and access TRTC with high quality. They can serve as reference materials at the access stage to assist in TRTC access with higher efficiency and quality. [Scenario-based solutions](#) can help you implement service scenarios quickly.

Scenario solution: Focuses on principle and architecture and describes the scenario implementation scheme.

Quick integration guide: Focuses on project implementation and describes the project development procedure in detail.

Demo and source code: Provides the source code of sample projects for experience.

## Migration to TRTC

The code-level guidance helps you migrate the existing services to TRTC quickly.

Automatic identification: Identifies APIs of other mainstream RTC platforms automatically.

Accurate matching: Provides TRTC APIs corresponding to the identified APIs.

Migration guide: Provides detailed migration guide of APIs and parameters.

Sample code: Provides sample TRTC code snippets to help you migrate quickly.

## Troubleshooting Based on Terminal Logs

Terminal logs can be analyzed automatically to help you quickly locate problems.

Convenient and quick: Decrypts and previews SDK logs automatically, requiring no additional script tools.

Troubleshooting efficiency improvement: Analyzes room lists automatically, explains the meanings of error codes, checks for common problems, and sorts key logs by time.

## Cloud Inspection

Potential risks can be detected through inspection to guarantee your service quality.

Risk identification: Checks the usage of TRTC regularly to identify potential risks, such as configuration errors.

Proactive alarming: Reports alarms when potential issues or risks are found during the inspection, such as abnormal calls and low SDK version, to help you solve problems promptly.

User experience improvement: Allows you to continuously adjust the usage and configuration of TRTC based on inspection results to improve user experience.