

ApsaraVideo Live

Product Introduction

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What is ApsaraVideo Live

ApsaraVideo Live is an audio-video platform based on the latest accessible content, widely distributed network and largely distributed real-time transcoding technology. It offers high-definition, live audio-video feed services that are fluent and easily accessible with low latency rate and are high in concurrency.

ApsaraVideo Live offers a web-based management console, APIs, and software development kits that help to use and manage live video services and integrate them with your own apps and services.

All ApsaraVideo Live services are billed by usage, and service capacity is scalable. Moreover, features such as simple architecture designs, better programming development and low maintenance costs help you to focus on building your business logic and enhance user experience.

Benefits

Various solutions

ApsaraVideo Live provides a full range of technical solutions from streaming, transcoding, and distribution to playback, in addition to responsive uplink bit rate, narrow-band HD transcoding, screenshot, and time shifting among other features and services.

Smoothness, low latency and high concurrency

ApsaraVideo Live boasts the lowest video lagging rate industry-wide, and the smoothest live video watching experience. ApsaraVideo Live adopts best-quality BGP rooms and bandwidth to reduce live video latency and ensure real-time interactions in live videos. With a concurrency capacity of 10 million live streams, the live video technical architecture can be dynamically scaled to handle any live video service requirements.

Global coverage

ApsaraVideo Live has 1,300-plus live video nodes for full global coverage.

Industry-tailored and scenario-oriented solutions

ApsaraVideo Live has mature, industry-tailored solutions that encompass all manners of live video application scenarios. ApsaraVideo Live provides live video solutions for industries including e-commerce, entertainment, online education and gaming industries.

Multi-terminal adaption and seamless watching experience

Cloud synchronization technologies ensure that a video can be played on multiple terminals at the same time to provide a seamless viewing experience.

Safe storage and security protection

ApsaraVideo Live provides URL encryption, video encryption and other rigorous security protection solutions to reduce risks including illegal recording and broadcasting live video without copyright consent.

Edge streaming

The edge streaming function preferentially pushes your video streams to the optimal CDN node to ensure that users can access the best uplink network. Besides, it can minimize such problems as video lagging and slow stream-pulling ratio caused by uplink transmission.

Advantages

Wide coverage: over 1500 CDN nodes all over the world, and over 700 nodes in mainland China, covering main stream cities and regions.

Intelligentization: to preferentially access the CDN node nearest users, so as to ensure the transmission stability.

Edge streaming and center streaming comparison

	Edge streaming	Center streaming
Description	Preferentially schedule stream data to the optimal node nearest to user, and transmit the data to Alibaba Cloud' s live center directly and rapidly for content delivery by using Alibaba Cloud' s intelligent scheduling system.	Transmit video streams directly to live center for content delivery by using BGP.
Advantage	Rich CDN nodes, wide coverage to ensure optimal link transmission.	High-quality multi-line BGP room.