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DouyuTv

CS487

3/7/2016

DouyuTv the new style of streaming

As time goes by, Internet becomes an important part in daily life. Internet provides real-time transactions and easy access for almost every business form due to its high information transportation ability. The traditional acting could take advantage of Internet, audiences could watch acting in home by just one click, and the associated businesses like advertisements could also easily delivered to browser and other device. Douyu TV, a famous live stream sharing and broadcast provider in china invested by Sequoia Capital, owns 270000 daily IP visits. This amount of audience makes Douyu becomes the top one broadcast and living streaming provider in China. Douyu TV costs millions dollars in data management and distribute system development, its predecessor is a living stream department of barrage streaming provider, acfun.

Douyu TV contains several categories (channels): Gaming, Entertainment, Sport, Science and Education. Gaming is for players to share and broadcast their gaming skills. Entertainment is for anchors especially beautiful female anchors to show their faces, bodies, songs and dances. Sport is for rebroadcasting sport events. Science and Education is currently under developing which may be used for online teaching.

This article would analyze why Douyu TV success and its development effort in distributed computing system including CDN distribute system and video solutions, which are also known as cloud computing.

As a milestone online streaming broadcast provider, douyuTV's user interface was highly friendly and directly. This makes the users getting satisfied in the beginning. The technology behind this interface is a php plus database combination however it based on distributed systems.

As indicated above the high internet traffic website need distributed systems to deliver content from different servers to ensure every user could get response in time.(Beal).

The first distributed system they used is CDN(content deliver network), this techonoly is commonly used in worldwide websites which could store the static html files to CDN servers and deliver to user who ask for.(wiki) In other words, this system separates users to based on different locations. For instance, if you are in LA, then you would be assigned a LA server, the content is the same like original sever. After this, user would reach the second distributed system, which is developed by their own.

This is a basic distributed system that received upload streaming and broadcasting these streaming to the user who asked for. (baidu)

That distributed system also has a center transaction control unit to decide the resource distribution ratio for severs.(baidu)

In conclusion, why DouyuTv is successful like this is based on their strongly technologies used in back to proved a best user experience through the internet.

Works Cited

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