Solbox Statistics

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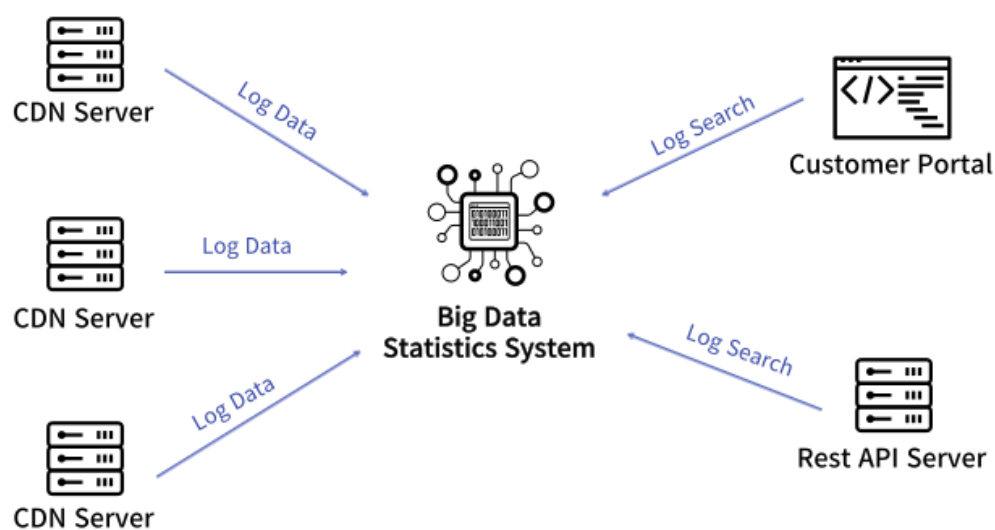
1. Concept

1.1. Solbox Statistics System

Solbox CDN service currently supports many forms of Internet service providers such as broadcasting, e-commerce, online education, online games, public institutions, and portals sites. In these various areas, real-time statistics and analysis services are essential for improving service quality and providing business insights through multidimensional analysis & statistics.
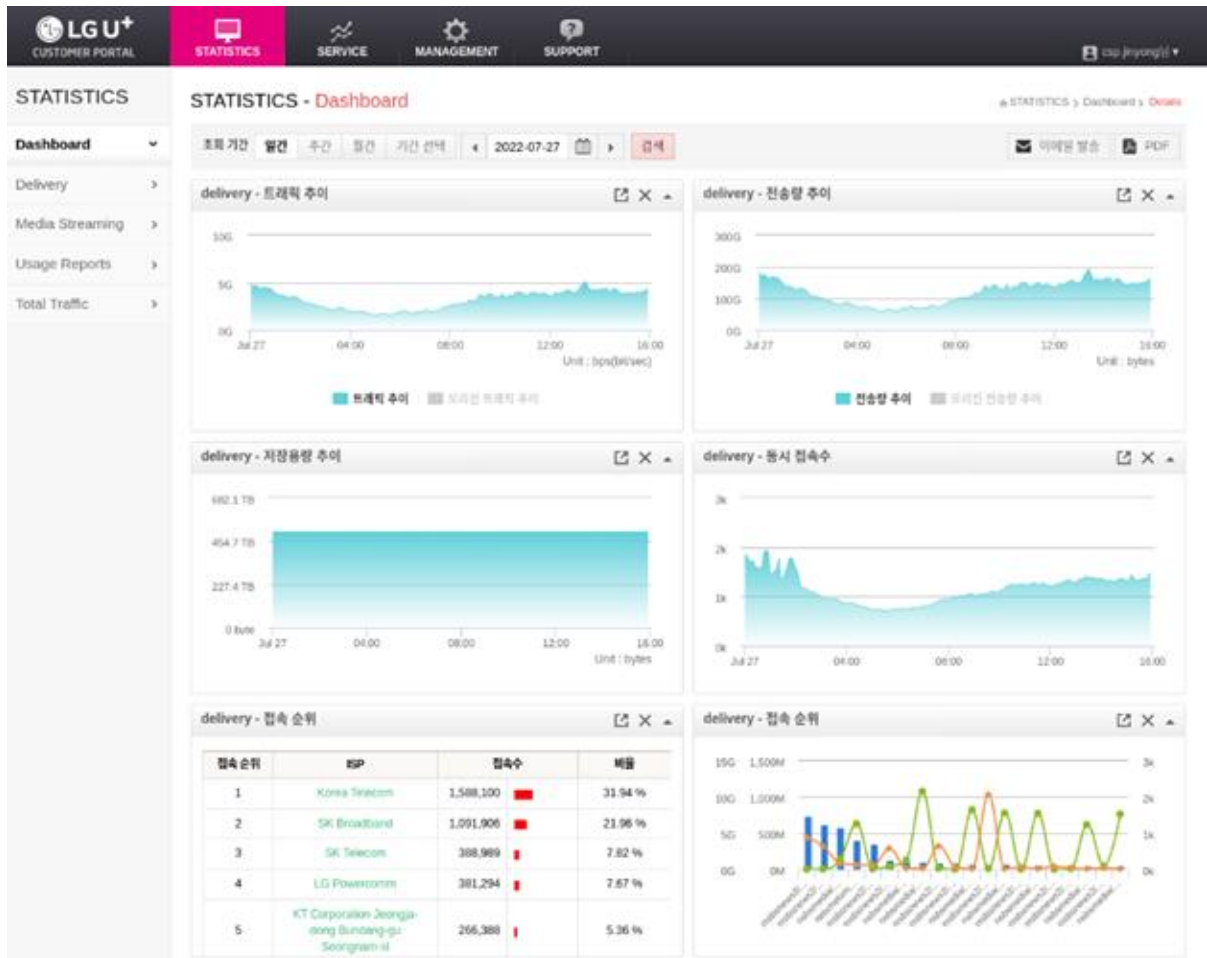
These days, huge amount of service traffic demands effective distributed system configuration, faster service expansion, real-time processing and reliability that can handle billions of user access statistics per day.

Solbox Statistics System provides real-time statistical information and analysis data for CDN services, providing effective system expansion with quality monitoring of media/content services, system performance and fault monitoring, and various access statistics analysis.

It consists of a distributed system architecture based on big data analytics to provide large user access, system log data processing, and various multidimensional analyses, providing fault tolerance and horizontal scale-out scalability through high-performance real-time analysis & statistics and automatic recovery.

1.2. Solbox Statistics Dashboard

2. Benefit

- Visualizes the statistical information to see the summary of data through the web portal (Provides Rest API)

- Improves the user service experience by checking the service status and quality through real-time statistics & analysis services

- Gets business insight for customer service through various multi-dimensional analysis & statistics

- Provides faster system expansion and stable analysis and statistics service in case of unexpected rapid traffic surge or service expansion

3. Key Features

- Provides search function by period (up to 1 year)

- Provides the up-to-date information compared to the previous day

- Checks the details of real-time traffic information

- Provides the information about the amount of data transfer in real time

- Provides the number of content requests in real time

- Provides the information about storage usage

- Provides the number of cache hit/miss requests

- Provides the information about cache hit/miss transmission

- Provides the number of simultaneous visitors

- Provides the number of requests by visitor location (ISP)

- Provides the amount of transmission by visitor location (ISP)

- Provide the transmission result (with response code) on the edge/origin server

- Provide access information by web browser and OS

- Provides authentication statistics for Wowza

- Provides daily top content URL information

- Provides daily top Referrer domain

- Saves data as Excel sheet and check data for all statistical information
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4. Applications

- Solbox CDN service