# Product Introduction

Stream computing is a real-time data processing and analysis platform under the scenario of big data, supporting users to program data processing operation by the manner of SQL to lower the development threshold of streaming data and help users to construct streaming processing application rapidly.

# Product Features

(1) Latency at second level

The latency generated by streaming data processing is up to second level, which can realize real-time analysis.

(2) Complete Hosting

The online development platform of complete hosting processes applications automatically in a streaming way without any infrastructure.

(3) Auto Scaling

The computing power can automatically expand or reduce the resources required for running streaming applications based on the operation.

(4) Simple and easy to use

Support developing streaming data processing operations by SQL approach, with low learning threshold.

# Product Function

(1) Real-time Computing

Real-time data cleaning, statistical summary and data analysis

Provide interactive SQL editor to support scripts debugging and optimization so that complex streaming processing application program can be constructed rapidly.

(2) Automatic Integration

Perform seamless integrate of streaming data center and data computing service

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(3) Auto Scaling

Customized operation, computing cluster auto scaling

Match data throughput according to the operation and automatically extend or reduce the required resources of streaming processing application program.

# Application Scenario

(1) Real-time Data Analysis

Traditional data warehouse solutions are based on off-line batch collection and analysis, which cannot implement real-time data analysis function. Stream computing based solutions can conveniently implement real-time collection and analysis for multiple streaming data and then build a set of real-time streaming data analysis application rapidly by combining BI report and other components.

(2) Internet of Things

Receive, convert and filter streaming data from sensors, intelligent terminals and other Internet of Things devices, which supports streaming processing for millions of messages per second.