Cloud Log Service

Release Notes and Announcements

Product Documentation

Contents

Release Notes and Announcements

Release Notes

Last updated：2024-01-20 16:27:42

December 2022

Update	Description	Release Date	Documentat
Optimized the log index failure policy	An index may fail to be created due to the abnormal raw log format or index configuration mismatch. CLS allows for storing raw logs separately for exception handling. This ensures that logs won't be lost.	2022-12-31	Configuring Index
Added encoding/decoding and encryption functions to alarm notification variables	Base64/Base64URL/URL encoding and decoding, MD5/SHA1/SHA256/SHA512 encryption, and HMAC_MD5/HMAC_SHA1/HMAC_SHA256/HMAC_SHA512 encryption are supported for alarm notification variables to generate signature strings required for custom callback API authentication.	2022-12-26	Alarm Notification Variable
Added data preview for shipping to CKafka/COS	The log data format to be shipped can be intuitively previewed in the console, increasing the efficiency.	2022-12-25	-
Supported custom variables for the dashboard	Variable values can be set and applied to search statements, titles, and text in charts to batch modify statements.	2022-12-08	Template Variables

November 2022

Update	Description	Release Date	Documentation
Supported field configuration for dashboard charts	You can configure a personalized style for a single field in a chart, so as to make the dashboard more varied in style.	2022/11/25	-

Supported multiple log topics for an alarm policy	Up to 20 log topics can be set for an alarm policy. It can be determined whether the trigger conditions are met separately for each log topic. Currently, selected log topics must be in the same region.	2022/11/23	Configuring Alarm Policy
Upgraded the dashboard filter	Static option input and alias configuration are supported in the dashboard filter drop-down list. In addition, filter by search statement is supported, including filter by range, NOT, full text, or fuzzy match, meeting different requirements.	2022/11/20	Template Variables
Added a function for data processing	The `ext_grok` function is added for data processing, which extracts the matched result value based on the Grok syntax, making it easier to extract a key-value pair with a regular expression when a processing function is used.	2022/11/15	Key-Value Extraction Functions

October 2022

Update	Description	Release Date	Documentation
Supported custom redirect links in the dashboard	Another page can be redirected to by clicking a field in a chart. The URL to be redirected to can be a variable to cater to personalized needs. Currently, only tables are supported, with more chart types to come.	2022-10-24	Custom Redirect
Supported monitoring of log shipping tasks to CKafka	The traffic, number of lines, status, and latency of shipping tasks to CKafka can be monitored, so that users can stay on top of task details and better manage shipping tasks.	2022-10-12	-
Supported log transition for STANDARD log topics	Log transition can be enabled for STANDARD log topics, so that legacy data can be transitioned to STANDARD_IA for long-term storage. The transitioned data will be billed by STANDARD_IA storage, which meets the requirements for real-time alarm analysis and low-cost storage.	2022-10-11	Log Transition
Supported the interactive mode for search and analysis	Log search and analysis can be performed with a click to automatically generate statements including SQL, making it easier to learn statements.	2022-10-10	-

| Supported import and export for the dashboard | Dashboard files can be imported and exported to meet the requirements for cross-account dashboard migration and sharing. | 2022-10-09 | - |

September 2022

Update	Description	Release Date	Documentation
Added log charts for dashboards	You can add and browse raw logs on the dashboard page. The analysis result and associated log content are displayed on the dashboard with no redirects needed, making operations easier.	2022-09-30	Log
Supported LogListener for syslog collection	You can use LogListener to collect Linux syslog and quickly configure collection rules in the CLS console.	2022-09-15	Syslog Collection
Supported trigger by group in the alarm policy	If multiple results of the execution result meet the alarm trigger condition, the results will be grouped based on the group field, and an alarm will be triggered for each group.	2022-09-06	Configuring Alarm Policy

August 2022

Update	Description	Release Date	Documentation
Supported dashboard subscription via email	CLS allows users to subscribe to a dashboard and export it as an image. Daily, weekly, and monthly reports can be emailed to specified recipients regularly. This is suitable for scenarios where dashboards need to be published regularly and reduces costs.	2022-08-29	Subscribing to Dashboard
Supported data compression for consumption over Kafka	Consumption over Kafka supports data compression, which greatly reduces the read traffic volume and costs.	2022-08-25	Consumption over Kafka
Supported monitoring of	The traffic, number of lines, status, and latency of shipping tasks to COS can be monitored, so that users	2022-08-23	Shipping Task Management

shipping tasks to COS	can stay on top of task details and better manage shipping tasks.		
Added Parquet format for shipping to COS	CLS supports shipping log data in Parquet format to COS, which is suitable for big data computing and analysis scenarios where Hive is at downstream.	2022-08-23	Parquet Shipping
Added random sampling mode for statistical log analysis	CLS supports random sampling and analysis of massive amounts of data in raw logs. Compared with full analysis, it can achieve an accuracy of over 95% and solve the problems of slowness and timeout in full analysis, meeting the requirements for statistical analysis in various business scenarios.	2022-08-22	Sampling Analysis

July 2022

Update	Description	Release Date	Documentation
Added funnel chart to dashboards	Users can collect the statistics of business processes with single flow and path and then intuitively compare conversion rates in different stages.	2022-07-20	Funnel Chart
Released the scheduled SQL analysis feature	Search statements are executed based on custom cycles and times, and results are saved in new log topics. This greatly reduces the query failure rate and costs.	2022-07-15	Overview
Supported reporting data from mobile devices through the SDK	Log information such as network detection can be reported from mobile devices through the SDK for Android/iOS.	2022-07-01	Uploading Log via SDK

June 2022

Update	Description	Release Date	Documentation
Supported custom chart time in dashboards	The chart time can be independent and doesn't change as the global time changes. In the dashboard, different	2022-06-30	Custom Chart Time

	charts can use different times to support more diversified comparisons.		
Added DSL functions for data processing	DSL functions are added for data processing, covering IP parsing, codec, and more scenarios.	2022-06-30	Function Overview
Released preset dashboards	CLS supports accessing the standard logs of multiple Tencent Cloud products and provides out-of-the-box log analysis dashboards for visual analysis.	2022-06-27	Preset Dashboard
Upgraded notification content variables	More notification content variables are supported, which can be extracted, escaped, and formatted.	2022-06-16	Notification Content Variable
Added the index recreation feature	After index configurations are modified, indexes can be recreated for historical log data, so that it can be searched for and analyzed based on new configurations.	2022-06-10	Reindexing

May 2022

Update	Description	Release Date	Documentation
Added demos for four Tencent Cloud products	Demos are added for CDN, FlowLog, TKE, and COS, helping users try out CLS features.	2022-05-30	CLB Analysis Scenario Experience Demo
Supported log upload over Kafka	Kafka configurations are added in the console, where Kafka output configurations are automatically generated based on the uploaded Kafka producer and account information. Users can copy existing configurations for quick upload.	2022-05-30	Uploading Log over Kafka

April 2022

Update	Description	Release Date	Documentation
Supported	Chart units can be automatically converted. When a	2022-04-	Unit

automatic unit conversion in dashboards	value meets the conversion factor, it will be automatically converted to the next higher unit, making data more readable.	30	Configuration
Supported trend comparison of sequence diagrams	Sequence diagrams support adding trend comparison curves of past cycles, enhancing the capabilities of comparative chart analysis.	2022-04-30	Sequence Diagram
Consumption over Kafka in all regions	You can consume data to downstream big data components or data warehouses over the Kafka protocol, such as self-built Kafka clusters, ClickHouse, Hive, and Flink, as well as Tencent Cloud EMR and Oceanus.	2022-04-20	Consumption over Kafka
Use of SQL to collect and analyze historical data when the index configuration is modified	When the index configuration is modified, users can use SQL to collect and analyze historical data for existing fields in the original configuration (but not for new fields).	2022-04-18	-
Metadata collection range selection for container collection	You can select one or more container metadata fields collected by default and configure whether to enable index.	2022-04-13	-
Adding metadata/preset fields to full-text index	You can add metadata/preset fields to full-text index during index configuration for full-text search of such fields.	2022-04-12	Configuring Indexes

March 2022

Update	Description	Release Date	Documentation
Word cloud in dashboard	The word cloud feature is launched to visualize text data and highlight frequent words.	2022-03-15	-

February 2022

Update	Description	Release Date	Documentation
CLS joining Grafana's official plugin market	The Grafana plugin for CLS can be installed with a few clicks. The plugin comes with multiple cloud product templates and can be used out-of-the-box. The plugin provides comprehensive analysis capabilities.	2022-02-25	CLS Connection to Grafana
Visual map reconstruction	Added support for filtering map display areas by scrolling the legend scope. Fixed the occasional overlap problem of legends. Optimized the color display of maps to separate regions without data.	2022-02-20	-

January 2022

Update	Description	Release Date	Documentation
Support for permanent retention of log topics	You can customize the log topic retention period to a value ranging from 1 to 3600 days or enable permanent retention.	2022-01-25	Specifications
Launch of the index configuration import feature	You can import the index configuration rules of existing log topics with a few clicks to improve efficiency.	2022-01-18	Configuring Indexes

December 2021

Update	Description	Release Date	Documentation
Support for log upload via Kafka	Supported Kafka protocol versions: 0.11.X-2.8 Supported data compression modes: Gzip, Snappy, lz4, zstd	2021-12-27	Uploading Logs via Kafka

Updated TKE log collection	Log collection configuration supports `label !=` operations (exclude labels). Log collection configuration supports selecting multiple namespaces or excluding namespaces. Supports incremental log collection. Supports manual upgrade of LogListener.	2021-12-21	CLS Add-on Version Description
Supported viewing log topic usage in the Cloud Monitor dashboard	Usage metrics such as the log storage size and write traffic and corresponding alarms are delivered to the Cloud Monitor dashboard so that users can view the usage of log topics in a centralized manner.	2021-12-17	Cloud Monitor
Optimized dashboard visual data configuration	Dashboard visual data configuration now supports the new features of displaying hidden fields and aggregating metrics by groups.	2021-12-15	-
Support for importing COS data to CLS	You can import COS data to CLS for various purposes, such as search, analysis, and data processing and cleansing.	2021-12-10	Importing COS Data

November 2021

Update	Description	Release Date	Documentation
CLS feature experience demo available	For product trial and test scenarios, the free demo provides quick data access and feature templates to help you access content close to real-life scenarios easily and quickly.	2021-11-30	CLB Analysis Scenario Experience Demo
STANDARD_IA in beta testing in some regions	STANDARD_IA is a low-cost log storage solution to search and store massive infrequently accessed logs, meeting users' requirements for backtracking and archiving historical logs. The solution applies to scenarios where users do not have log statistical analysis requirements and logs need to be stored for a long time. (In the beta test period, the solution is available only in Beijing, Guangzhou, Shanghai, and Hong Kong, China.)	2021-11-30	Offline Storage
Connecting self-built Kubernetes	You can use the console to configure log collection rules to quickly connect self-built Kubernetes clusters	2021-11-26	Connecting Self-Built

clusters to CLS	to CLS, reducing learning and use costs.		Kubernetes Cluster to CLS
Data processing feature released	Data processing provides the capability to structure, filter, mask, distribute, and enrich log data, which provides the basis for structured data search, analysis, and dashboard display of log data.	2021-11-22	Data Processing
Support for logs uploaded via Kafka	CLS is compatible with Kafka to be compatible with open-source ecosystems. You only need to modify the write source of your existing system to achieve quick access and support various open-source collection components such as Logstash, Fluentd, and Filebeat.	2021-11-15	Uploading Logs via Kafka
Support for downloading up to 50 million logs at a time	The number of raw logs that can be downloaded at a time is increased from 10 million to 50 million, and the limit on the number of download tasks is removed, significantly improving the log download speed.	2021-11-08	Downloading Log

October 2021

Update	Description	Release Date	Documentation
Support for template variables in the dashboard	The data source variable and quick filter variable are added to the dashboard, allowing you to flexibly switch between log topics for multiple data sources in the same dashboard and quickly filter metric conditions.	2021-10-19	Template Variable

September 2021

Update	Description	Release Date	Documentation
Kafka real-time consumption	The Kafka consumption capability is now available in CLS. You can use the Kafka real-time consumption feature to export log data to specified applications efficiently and conveniently.	2021-09-17	Kafka Real-time Consumption

August 2021

Update	Description	Release Date	Documentation
Brand-new monitoring alarm features	Updated features: Added custom alarm content templates Added the custom multi-dimensional analysis feature Added the feature of reporting alarms within one minute when exceptions occur	2021-08-22	Monitoring Alarm Overview
Offline log solution in beta testing	Adopted the low-cost offline log storage solution to search and store massive infrequently accessed logs, requiring a total cost 80% lower than that of real-time log storage. The solution is now available in Beijing, Shanghai, Guangzhou, Nanjing, Chongqing, and Hong Kong, China.	2021-08-18	Offline Storage Overview
Released over 200 analytic functions	Over 200 SQL analytic functions are released in all regions to meet log data aggregate analysis in various scenarios to enhance CLS's data visualization capability.	2021-08-12	SQL Functions
Log parsing based on custom formats	Added the LogListener advanced data processing feature to allow users to parse log files based on custom formats to implement the collection of logs in complex formats.	2021-08-06	Custom Format

July 2021

Update	Description	Release Date	Documentation
Full/Incremental collection policies	Added the feature to allow users to configure whether to use full or incremental log collection via LogListener, meeting users' requirement for shipping only new log data and significantly reducing users' write traffic costs.	2021-07-22	Full/Incremental Collection Policy
Optimized search error messages	Standardized error messages for higher readability of the search error information.	2021-07-15	Search Analysis Error
Chinese text segmentation	Added the Chinese text segmentation feature to segment logs containing Chinese characters based on the Chinese syntax to facilitate log search.	2021-07-08	Chinese Text Segmentation

June 2021

Update	Description	Release Date	Documentation
Deploying LogListener instances on CVM instances in batches	Added the feature to allow users to deploy LogListener instances on CVM instances in batches for CVM log collection. With the feature, users do not need to manually install LogListener configuration anymore.	2021-06-24	-
Map, Sankey, and other chart features released	Added the support for more data visualization charts, including bar charts, column charts, maps, and Sankey diagrams.	2021-06-18	-
Search statement syntax error correction prompts	Added search syntax error prompts for the correction of Lucene syntax errors and spelling errors in index statistics fields, effectively improving the accuracy and efficiency of users' search analysis statements.	2021-06-15	-

May 2021

Update	Description	Release Date	Documentation
Dashboard 2.0 release	Released dashboard 2.0 UI: enhanced visualization and optimized the dashboard style.	2021-05-31	-
LogListener download over a private network	Added the support for users to download the LogListener installation package via a private network address in different regions, avoiding security risks caused by connecting to a public network.	2021-05-27	LogListener Installation Guide
Log topic traffic statistics	Added the feature of monitoring the traffic statistics of a single log topic, allowing users to view the traffic dynamics of a log topic.	2021-05-20	-
Collection configuration import	Added the feature of importing existing log topic rules with a few clicks, improving log data access efficiency.	2021-05-17	Importing LogListener Collection Configuration

April 2021

Update	Description	Release Date	Documentation
LogListener service log launch	Added the support for LogListener service logs. These logs record LogListener running status and collection monitoring log data. The logs are presented in a visualized view to provide important metric data.	2021-04-26	LogListener Service Logs

March 2021

Update	Description	Release Date	Documentation
Uploading parsing-failure logs	Added the support for uploading parsing-failure logs, using `LogParseFailure` as the key name (`Key`) and the raw log content as the key value (`Value`).	2021-03-26	-
CLS newly available in Moscow and Thailand	CLS is now available in Moscow in Europe and Bangkok in Asia Pacific.	2021-03-20	Available Regions

February 2021

Update	Description	Release Date	Documentation
LogListener auto upgrade	Users can set a time period for agent auto upgrade or select specific machines to upgrade manually.	2021-02-27	LogListener Upgrade Guide
Millisecond-precision logging	LogListener supports millisecond-precision timestamps for log collection. After time-based log collection is enabled, LogListener uploads logs with millisecond-precision UNIX timestamps.	2021-02-20	-
Supported downloading millions of logs	CLS allows users to download up to millions of logs. Users can specify the quantity of logs they want to	2021-02-14	Downloading Log

Update	Description	Release Date	Documentation
	export by setting search criteria and time range. Logs can be exported in two formats: CSV and JSON.		
Context search	Added the feature for locating the current log, allowing users to quickly locate a target log and scroll to view the log context. Added the feature to highlight a number of strings, quickly marking the keywords that users use to search. Added the filter condition feature to allow users to quickly locate the log where a target character string resides.	2021-02-06	Context Search and Analysis

December 2020

Update	Description	Release Date	Documentation
Monitoring Alarm 2.0 release	CLS allows users to set alarm policies for log topics. When query and analysis results meet the trigger conditions specified, the users can receive alarm notifications and they can monitor the log data in real time.	2020-12-15	Monitoring Alarm Overview
CLS connection to Grafana	CLS can be connected to Grafana to export CLS's raw log data and SQL aggregate analysis results for display in Grafana.	2020-12-15	CLS Connection to Grafana
Supported extracting multi-line logs with a regular expression	The extraction mode of multi-line - full regular expression is added to LogListener collection configuration rules for log collection.	2020-12-15	Full Regular Expression (Multi-Line)
Released Search Page 2.0	The time component supports millisecond precision, and a custom time can be input quickly, improving query efficiency. The original layout and table layout and whether to turn on line break features are added to log data display, enabling flexible switching. Preference settings are added to allow users to customize the number of logs for loading and the number of historical records, meeting diversified data browsing needs.	2020-12-15	-

November 2020

Update	Description	Release Date	Documentation
SQL statistical analysis fully available	CLS provides the SQL statistical analysis feature to help users aggregate and analyze log data and display the analysis results in charts.	2020-11-24	Log Analysis Overview
Supported shipping to SCF	CLS supports shipping data of log topics to SCF via the CLS's log trigger to meet log data ETL requirements.	2020-11-20	Overview
CLS working with TKE (event and audit center)	CLS and TKE jointly launched the cluster audit and event log center, which allows users to view audit logs and cluster events in real time through visual charts, improving the efficiency of container cluster OPS with ease.	2020-11-03	Cluster Audit

October 2020

Update	Description	Release Date	Documentation
Automatically splitting topic partitions	After the auto-split feature is enabled, CLS will automatically split a topic partition into a reasonable number of partitions based on the actual write situation if the topic partition continues to reach the corresponding write request or write traffic threshold.	2020-10-25	Splitting Topic Partition
Quick Field Analysis 2.0	Rebuilt version of quick field analysis: Users can view field statistics results more conveniently and quickly. Users can quickly modify and save display fields. Users can quickly change the display order of fields by dragging and dropping fields.	2020-10-15	-

September 2020

Update	Description	Release Date	Documentation

CLS newly available in Taipei and Seoul	CLS is now available in Taipei and Seoul.	2020-09-27	Available Regions
Search page supporting layout configuration	The search page provides access for LogListener collection configuration and index configuration. It allows users to quickly view server group status and index field information.	2020-09-24	-
Full support for Lucene syntax	CLS fully supports Lucene syntax search.	2020-09-18	Syntax and Rules
Release of free tiers	After the CLS service is commercialized, Tencent Cloud still provides a certain free tier for all users in each region.	2020-09-12	Purchase Guide

Announcements

Upgrading Existing LogListener Instances

Last updated：2024-01-20 16:27:42

Dear Tencent Cloud user,

To improve the user experience and avoid the influence from issues in legacy versions, we recommend upgrading the LogListener instances to v2.5.0 or above.

Log in to the CLS console to try out more CLS features.

New features supported on different LogListener versions are detailed as flows:

LogListener Version	Supported Feature	Feature Description	Documentation
v2.6.2	Incremental collection	When performing collection configuration, users can choose the full or incremental collection policy.	-
v2.6.0	CVM batch deployment	Users can deploy LogListener on CVM instances in batches for CVM log collection without manually installing LogListener related configuration.	-
v2.5.4	LogListener service logs	LogListener service logs are used to record the operation, collection, and monitoring activities of LogListener, and you can configure visualized graphs to display such log data.	LogListener Service Logs
v2.5.2	Uploading parsing-failure logs	Added the support for uploading parsing-failure logs, using `LogParseFailure` as the key name (`Key`) and the raw log content as the key value (`Value`).	-
v2.5.0	Support LogListener auto-upgrade function	Users can set a time period for Agent auto upgrade or select specific machines to upgrade manually.	LogListener Upgrade Guide
v2.4.5	Extracting multi-line logs with regex	Added the extraction mode of **Multi-line - Full regular expression** to LogListener collection configuration rules for log collection.	Full Regular Expression (Multi-Line)
v2.4.5	Millisecond-precision logging	LogListener supports millisecond-precision timestamps for log collection. After time-based log collection is enabled, LogListener uploads logs with millisecond-precision UNIX timestamps.	-

v2.3.9	Configuring blocklist of the collection path	Added support for configuring blocklist of the collection path, allowing users to specify directories and files to be ignored during collection.	-
v2.3.5	Context search	Added the feature for locating the current log, allowing users to quickly locate a target log and scroll to view the log context. Added the feature to highlight a number of strings, quickly marking the keywords that users use to search. Added the filter condition feature, allowing users to quickly locate the log where a target character string resides.	Context Search and Analysis

Thank you for your support. We will continue to update features to provide you with better services.

If you have any questions, please submit a ticket.

Regards,

Tencent Cloud Team