

Elasticsearch Service

Purchase Guide

Product Documentation



Copyright Notice

©2013-2024 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

Trademark Notice



All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

Contents

Purchase Guide

- Billing Overview

- Pricing

- Elasticsearch Service Serverless Pricing

- Notes on Arrears

Purchase Guide

Billing Overview

Last updated : 2019-11-12 16:12:32

Billing mode

ES is billed on a pay-as-you-go basis.

Billable items

ES is a distributed cluster deployed in VPC which typically consists of 3 or more nodes. Each node contains computing resources (available with specified CVM models) and storage resources (SSD/premium cloud disk with a certain storage capacity).

Total fees for a cluster = Fees per node (compute fees + storage fees) * number of nodes

The screenshot shows the configuration interface for an Elasticsearch cluster. It includes the following fields and controls:

- Node Model:** A dropdown menu set to "ES.S1.SMALL2-1 cores 2 GB". A red warning message below it states: "1 core 2 GB has limited physical performance and is suitable only for testing. It is not recommended for production environments."
- Nodes:** A numeric input field set to "2". A warning message below it states: "There are split-brain risks when the number of cluster nodes is 2. Therefore, at least 3 production environments are recommended."
- Node Storage Type:** A dropdown menu set to "Premium Cloud St...".
- Single-node Storage:** A slider control set to "100 GB". The slider has markers at 0GB, 1660GB, 3330GB, and 5000GB.

Node

Compute (node model)

Hardware devices of different specifications come with different computing capabilities to meet the diverse requirements for cluster write and query performance. In addition, ES offers multiple editions of **Elastic Stack**. Specifically, the Basic Edition and Platinum Edition contain Elasticsearch's official commercial features (formerly X-Pack). The pricing of node models varies by the **Elastic Stack** edition. For more information, see [Product Pricing](#).

Storage

ES currently uses SSD and premium cloud disks as the storage media for ES clusters to ensure overall performance of data writes, queries, and reads as well as data security.

Suggestions for disk capacity:

ES is a distributed cluster consisting of multiple nodes, and the storage of such nodes constitutes the total data capacity of the cluster. You can select the disk capacity based on your assessment of the total data volume and number of nodes.

When storing an index, you can ensure the high availability of the cluster by specifying a certain number of replicas and improve query performance by deploying multiple nodes in a distributed manner.

A certain amount of disk capacity is required for cluster running, and a certain buffer is required to ensure cluster stability.

Pricing

For more information on pricing, see [Product Pricing](#).

Pricing

Last updated : 2024-09-04 18:08:58

ES currently supports the pay-as-you-go billing mode. Billable items include node models and storage.

Pay-as-you-go

Node Specification	CPU	Memory (GB)	Applicable Scenario	Postpaid (\$USD/node/hour)	
				Beijing/Shanghai/Guangzhou/Nanjing/Qingyuan	
				Open Source/Basic Edition	Platinum Edition
ES.S1.SMALL2	1	2	Testing	0.049	0.055
ES.S1.MEDIUM4	2	4	Production	0.14	0.156
ES.S1.MEDIUM8	2	8	Production	0.21	0.233
ES.S1.LARGE16	4	16	Production	0.42	0.467
ES.S1.2XLARGE16	8	16	Production	0.56	0.622
ES.S1.2XLARGE32	8	32	Production	0.84	0.933
ES.S1.4XLARGE32	16	32	Production	1.12	1.244
ES.S1.4XLARGE64	16	64	Production	1.68	1.866
ES.S1.6XLARGE48	24	48	Production	1.68	1.866
ES.S1.6XLARGE96	24	96	Production	2.519	2.799
ES.S1.8XLARGE64	32	64	Production	2.239	2.488
ES.S1.8XLARGE128	32	128	Production	3.359	3.732
ES.S1.12XLARGE96	48	96	Production	3.359	3.732

Prices of Node Storage

Region	Disk Type

	Premium Cloud Storage	SSD	Enhanced SSD
Guangzhou	0.0001	0.0003	0.0003
Shanghai	0.0001	0.0003	0.0003
Nanjing	0.0001	0.0002	0.0003
Beijing	0.0001	0.0003	0.0003
Chengdu	0.0001	0.0003	0.0003
Chongqing	0.0001	0.0003	0.0003
Shanghai Finance Zone	0.0002	0.0003	0.0003
Shenzhen Finance Zone	0.0002	0.0003	0.0003
Beijing Finance Zone	0.0001	0.0003	0.0003
Hong Kong (China)	0.0001	0.0003	0.0003
Singapore	0.0001	0.0003	0.0003
Jakarta	0.0001	0.0003	0.0003
Silicon Valley	0.0001	0.0003	0.0003
Frankfurt	0.0001	0.0003	0.0003
Seoul	0.0001	0.0003	0.0003
India	0.0001	0.0003	0.0003
Virginia	0.0001	0.0003	0.0003
Bangkok	0.0001	0.0003	0.0003
Tokyo	0.0001	0.0003	0.0003
Sao Paulo	0.0001	0.0003	0.0003

For other regions, please see [Pricing List](#).

This pricing document is for reference only. See your bill for the actual price.

Elasticsearch Service Serverless Pricing

Last updated : 2024-08-15 10:52:24

Elasticsearch Service (ES) Serverless is billed based on the actual usage of traffic resources, storage resources, and service requests generated during reads and writes. Currently, it supports the **pay-as-you-go** mode, which means billing is done hourly based on the actual usage of each billing item for the previous hour.

Pay-as-You-Go

Billing Item

Billing Item	Billing Item Description	Billing Description
Traffic calculation	It indicates the traffic size generated during data write, indexing, and segmentation. The size of the traffic depends on the fields in the data and the field length.	Calculation formula: $(0.1 + \text{Proportion of Fields Indexed}) * \text{Daily Increment of Raw Data Size}$. The proportion of fields indexed is generally assumed to be 100%. For example, if the size of raw data written daily is 1 GB and indexes are built for all fields, the size of the calculated traffic would be 1.1 GB.
Data storage	Data storage size is related to the raw data size, data inflation generated during indexing, and storage duration.	Calculation formula: $(0.12 + \text{Proportion of Fields Indexed}) * \text{Daily Increment of Raw Data Size} * \text{storage duration}$. The proportion of fields indexed is generally assumed to be 100%. For example, if the raw data size written daily is 1 GB (data storage of 3 days) and indexes are built for all fields, then the data storage size will stabilize at 3.36 GB after the 4th day.
API calling	Calculate based on the number of times ES Serverless API is actually called. The number of times that APIs are called during the write process can be reduced through batch write.	/

Pricing Description

Region	Billing Item		
	Traffic Calculation (USD/GB)	Data Storage (USD/GB/Day)	API Calling (USD/million times)
Beijing/Shanghai/Guangzhou /Nanjing	0.051	0.0021	0.017
Hong Kong (China)	0.054	0.0021	0.019
Singapore	0.054	0.0021	0.019
Tokyo	0.054	0.0021	0.019
Virginia	0.060	0.0023	0.017

Fees Calculation Cases

Assume that the access log of your App averages 100 bytes per item, with a total of 100 million logs per day (approximately 9.3 GB of raw log data per day) and data storage for 7 days. Indexes are built for all fields, and App logs are analyzed by using ES Serverless in Guangzhou. In this case, the data storage size will stabilize at 72.9 GB after the 8th day. The cost for one day will be approximately USD 0.675. The specific details are shown in the following table:

Billing Item	Description	Usage Estimation	Unit Price	Cost Estimation (USD)
Traffic calculation	Indexing all fields, indexed fields account for 100%.	$(0.1 + 100\%) * 9.3 = 10.23(\text{GB})$	0.0510 USD/GB	0.52170
Data storage	Indexing all fields, indexed fields account for 100%.	$(0.12 + 100\%) * 9.3 * 7 = 72.90(\text{GB})$	0.0021 USD/GB/day	0.15309
API calling	Bulk size is 5,000 documents per times	100 million documents/bulk size = 20,000 times	0.0170 USD/million times	0.00034

Note

The proportion of fields indexed is mainly used to estimate the traffic and storage consumption generated during the indexing process. For example, if you have 10 fields of the same type and equal length and you index 5 of them, the proportion of fields indexed is 50%. This calculation method is for reference only, and the actual resource consumption

depends on your field values and lengths. When the proportion of fields indexed is less than 40%, it is calculated by default as 40%.

Notes on Arrears

Last updated : 2024-11-25 17:44:30

Note:

If you are a customer of a Tencent Cloud partner, the rules regarding resources when there are overdue payments are subject to the agreement between you and the partner.

Pay-as-you-go

Arrears reminder

For pay-as-you-go resources, fees are deducted on the hour. When your account balance becomes negative, the system will notify the creator, global resource collaborators, and financial collaborators of your Tencent Cloud account via email and SMS.

Arrears processing

You can continue to use your ES cluster for **2 hours** from the moment your account balance becomes negative. The system will continue to deduct fees. 2 hours later, the ES cluster will be suspended and billing will stop.

What happens next?

If you top up your account to a positive balance within **15 days (15 x 24 = 360 hours)** from the moment your cluster is suspended, billing will resume and you will be able to access your cluster. Otherwise, your ES cluster will remain inaccessible.

If your account stays negative for **15 days (15 x 24 = 360 hours)** from the moment your cluster is suspended, your cluster will be repossessed. **All data will be deleted and cannot be recovered.**

We will notify the Tencent Cloud account creator as well as global resource and financial collaborators via email and SMS when your ES cluster is repossessed.