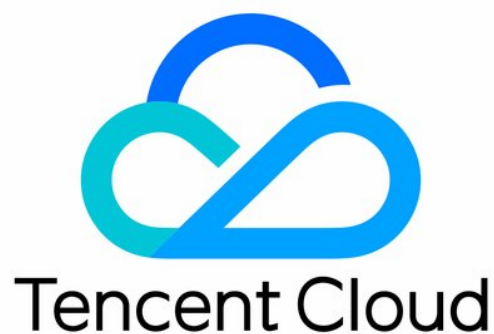


Cloud Load Balancer

Release Notes and Announcements

Product Documentation



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Release Notes and Announcements

CLB Release Notes

Last updated : 2022-03-03 10:06:37

January 2022

Update	Description	Release Date	Documentation
Obtaining real client IPs through TOA	In hybrid cloud deployment and NAT64 CLB scenarios, layer-4 CLB (only TCP) can obtain the real client IP through TOA.	January 13, 2022	Obtaining Real Client IPs via TOA in Hybrid Cloud Deployment and NAT64 Scenarios

August 2021

Update	Description	Release Date	Documentation
Cloning CLB instances	This feature allows you to easily copy the configuration of existing CLB instances, including instance attributes, listeners, security groups, and logs.	August 11, 2021	Cloning CLB Instances

May 2021

Update	Description	Release Date	Documentation
Supports health check logs	CLB supports configuring layer-4 and layer-7 health check logs to be stored in CLS, reporting logs every minute, and querying logs with multiple rules in real time.	May 21, 2021	Configuring Health Check Logs

January 2021

Update	Description	Release Date	Documentation
Supports binding CLB instances with SCF functions	CLB instances support binding with SCF functions, enabling more convenient and cost-effective public network access for SCF.	January 28, 2021	Binding with SCF

December 2020

Update	Description	Release Date	Documentation
Supports static single-line IP CLB instances	In some districts, the ISP of CLB instances can be China Mobile, China Unicom, or China Telecom, and the bandwidth price is lower than the general BGP IP price.	2020-12-03	Overview
Optimizes health check	TCP listeners support HTTP health checks and UDP listeners support checking ports.	December 14, 2020	Health Check

September 2020

Update	Description	Release Date	Documentation
Fully supports custom layer-7 configurations on CLB instances	CLB fully supports setting the layer-7 configuration parameters of CLB instances.	September 22, 2020	Custom Configurations of CLB Instances
CLB cross-region binding 2.0	CLB supports binding CVM instances across regions through CCN, allowing you to select CVM instances of different regions and bind to them across VPCs or regions.	September 10, 2020	Cross-region Binding v2.0 (New)

Update	Description	Release Date	Documentation
Supports hybrid cloud deployment	CLB instances can be directly bound to IPs of local IDCs.	September 10, 2020	Hybrid Cloud Deployment

June 2020

Update	Description	Release Date	Documentation
Supports the QUIC protocol	Layer-7 HTTPS listeners support the QUIC protocol to establish a QUIC connection between clients and CLB instances.	2020-06-29	Using QUIC Protocol on CLB

May 2020

Update	Description	Release Date	Documentation
Security groups can be bound to private network CLB instances	Security groups can be bound to private network CLB instances to isolate private network traffic.	May 27, 2020	CLB Security Group Configuration
Supports "Allow Traffic by Default" on security groups	After "Allow Traffic by Default" is enabled, client IPs and service ports to the Internet do not need to be opened in the backend CVM security group. Access traffic from a CLB instance only needs to pass through the CLB security group, while the backend CVM allows CLB traffic by default and does not need to open any ports.	May 27, 2020	CLB Security Group Configuration
Updates the default domain name policy for layer-7 listeners	The default domain name is changed from optional to required for layer-7 listeners. Each listener must and can only have one default domain name configured.	May 15, 2020	Layer-7 Domain Name Forwarding and URL Rules

April 2020

Update	Description	Release Date	Documentation
Deactivates the feature for storing CLB access logs in COS	You can no longer store new access logs in COS after May 15, 2020 00:00:00, (or after April 26, 2020 00:00:00 in the Guangzhou region). The feature has been officially deactivated in all regions since June 30, 2020 00:00:00. To use the updated feature, please see Storing Access Logs in CLS .	April 21, 2020	-

November 2019

Update	Description	Release Date	Documentation
Shared bandwidth package is supported for CLB instances	IP bandwidth package is supported for CLB instances of bill-by-IP accounts.	November 20, 2019	Bandwidth Package - Product Overview

October 2019

Update	Description	Release Date	Documentation
Supports IPv6	<ul style="list-style-type: none"> IPv6 CLB can be bound to the IPv6 address of a CVM instance and provides an IPv6 VIP address. A CLB instance using the IPv6 single-stack technology can collaborate with IPv4 CLB to implement IPv6/IPv4 dual-stack communication. 	2019-10-17	Creating IPv6 CLB Instance
Access logs can be stored in CLS	CLB supports storing layer-7 access logs in CLS with online search at 1-minute granularity.	2019-10-15	Storing Access Logs in CLS

Update	Description	Release Date	Documentation
Private network CLB instances support redirection	Private network layer-7 CLB instances support redirection configurations.	2019-10-15	Configuring Layer-7 Redirection

May 2019

Update	Description	Release Date	Documentation
Supports tag authentication	CLB supports tag-based permission management.	May 7, 2019	Tag - Product Overview

April 2019

Update	Description	Release Date	Documentation
Supports binding ENIs	CLB can be bound with ENIs to forward traffic to the corresponding private IPs of ENIs on the same CVM instance.	April 30, 2019	Binding an ENI

November 2018

Update	Description	Release Date	Documentation
Supports Anycast CLB	Anycast CLB supports dynamic acceleration in multiple regions. The CLB VIP is published in multiple regions, and the client connects to the nearest POP, the traffic can be forwarded to a CVM instance through the high-speed Internet of Tencent Cloud IDC.	November 27, 2018	Creating an Anycast Instance

Update	Description	Release Date	Documentation
Supports IPv6 NAT64	An IPv6 NAT64 CLB instance can be created. The CLB VIP is an IPv6 public IP address, which will forward requests from IPv6 clients to the backend IPv4 CVM instance, so that the real server can access IPv6 within seconds with no modification required.	November 15, 2018	Creating IPv6 NAT64 CLB Instances

October 2018

Update	Description	Release Date	Documentation
Supports TCP SSL protocol	CLB supports the TCP SSL protocol, which is suitable for scenarios that require ultra-high performance and large-scale TLS offloading.	October 12, 2018	Configuring a TCP SSL Listener

August 2018

Update	Description	Release Date	Documentation
Supports SNI	CLB supports multi-domain SNI certificate to configure different certificates for domain names under one listener.	2018-08-21	SNI Support for Binding Multiple Certificates to a CLB Instance

April 2018

Update	Description	Release Date	Documentation
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Update	Description	Release Date	Documentation
Supports security groups	Public network CLB can be bound with security groups to control and isolate inbound and outbound traffic.	April 15, 2018	CLB Security Group Configuration

March 2018

Update	Description	Release Date	Documentation
Supports custom layer-7 configurations on CLB instances	CLB supports setting the layer-7 configuration parameters of CLB instances.	March 27, 2018	Custom Configurations of CLB Instances
Access logs can be stored in COS	Public network layer-7 CLB supports storing access logs in COS to facilitate analysis and troubleshooting.	March 2018	Storing Access Logs in COS

September 2017

Update	Description	Release Date	Documentation
Supports cross-region binding	You can select and bind real servers across VPCs and regions.	September 2017	Cross-Region Binding of CLB Instances

June 2017

Update	Description	Release Date	Documentation
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Update	Description	Release Date	Documentation
Supports CAM authentication	Cloud Access Management (CAM) is used to manage access permissions for resources under Tencent Cloud accounts. You can use identity management and policy management to control which sub-accounts can access CLB resources.	July 2017	Cloud Access Management - Overview

April 2017

Update	Description	Release Date	Documentation
Supports layer-7 redirection	You can configure redirection on layer-7 HTTP/HTTPS listeners, such as redirection from HTTP to HTTPS.	April 8, 2017	Configuring Layer-7 Redirection
Weighted least-connection scheduling is supported for round robin algorithms	The weighted least-connection scheduling is based on the processing capabilities and weights of real servers to balance loads.	April 8, 2017	Load Balancing Methods

November 2016

Update	Description	Release Date	Documentation
Supports layer-7 domain name and URL forwarding	CLB supports layer-7 HTTP/HTTPS protocols to provide flexible forwarding capabilities based on domain names and URL paths.	November 2016	Layer-7 Domain Name Forwarding and URL Rules

April 2016

Update	Description	Release Date	Documentation
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Update	Description	Release Date	Documentation
Supports layer-7 HTTP and HTTPS protocols	Layer-7 HTTP and HTTPS protocols are application layer protocols. Layer-7 listeners support session persistence based on cookies and health check based on HTTP return codes.	April 2016	CLB Listeners - Overview

April 2015

Update	Description	Release Date	Documentation
Supports VPC	A Virtual Private Cloud (VPC) is a custom logically isolated network space in Tencent Cloud. CLB instances in VPC can help you deploy and isolate services flexibly.	April 2015	Virtual Private Cloud

December 2014

Update	Description	Release Date	Documentation
Releases Cloud Load Balancer	CLB provides secure and fast traffic distribution services. It can seamlessly allocate the load balancing capacity required for application traffic, and automatically distribute application access traffic among CVM instances in the cloud to enhance fault tolerance.	December 2014	Cloud Load Balancer

[July 8, 2022] Classic CLB Upgrade Prompt

Last updated : 2022-07-14 15:59:53

Upgrading Classic CLBs

Tencent Cloud plans to upgrade the CLB architecture starting from now to August 8, 2022 at 24:00 (UTC+8). After then, the SLA for classic CLBs is no longer provided.

To ensure the stability of your business, please upgrade the classic CLBs under your account to application CLBs in time.

Application CLBs provides more features and better performance over classic CLBs with the same price.

During the upgrade, the access to your business is not affected. The VIP of the classic CLB remains unchanged after the upgrade.

How to Upgrade

1. Log in to the [CLB console](#) and click **Instance Management** on the left sidebar.
2. On the **Instance Management** page, select a region in the top-left corner and click the **Classic Cloud Load Balancer** tab.
3. Find the instance to upgrade in the classic CLB instance list, and then select **More > Upgrade** in the **Operation** column.
4. Click **Submit** in the **Upgrading to CLB** dialog box.

Benefits and Impact of the Upgrade

Show All

Public network CLB

展开&收起

Benefits

- Each layer-4 listener can be configured with different real services.
- Each layer-7 listener can be configured with multiple domain names and URLs; domain name-based forwarding and URL-based forwarding are supported; each URL can be configured with different real servers.
- Features such as TCP SSL, SNI, and binding with ENI are supported. For more information, see [Instance Type](#).

Impact

- The configuration methods will be different. For more details, see [Getting Started with CLB](#).
- [Classic CLB APIs](#) are not applicable. You need to use [CLB APIs](#) instead.

Private network CLB

展开&收起

Note

Before upgrading, allow the access from the VIP to the real server port in the security group.

Benefits

- Each layer-4 listener can be configured with different real services.
- Layer-7 listeners are supported; each layer-7 listener can be configured with multiple domain names and URLs; domain name-based forwarding and URL-based forwarding are supported; each URL can be configured with different real servers.
- Features such as CLS log, SNI, and binding with ENI are supported. For more information, see [Instance Type](#).

Impact

- Rolling back to classic CLB instance is not supported.
- There may be uneven scheduling and session failures in a short period of time, and the monitoring data will have a breakpoint of around 5 minutes.
- The configuration of application CLBs are different with classic CLBs. For more information, see [Getting Started with CLB](#).
- [Classic CLB APIs](#) are not applicable. You need to use [CLB APIs](#) instead.

FAQs

Why should I upgrade classic CLBs?

Tencent Cloud CLB has stopped selling classic CLB instances since October 20, 2021. (See [Classic CLB End-of-Sale Notice](#). CLB offers new features in addition to all the features of classic CLB, with a better user experience. Tencent Cloud plans to complete the upgrade for all classic CLB instances by August 8, 2022. To avoid affecting your business, please complete the upgrade on your end in time and make arrangements in advance.

How do I configure a domain name after the upgrade?

After the upgrading classic CLBs to application CLBs, it's better to configure the domain names again. If you use DNSPod to resolve your domain name to `myqcloud.com`, you need to modify the DNS record.

What will happen if I don't perform the upgrade?

As Classic CLB is an end-of-life product, no more feature updates are available. Since August 8, 2022 at 24:00 (UTC+8), Tencent Cloud no longer provides SLA for classic CLBs, which means the stability and performance of your business may be affected.

Is there a recovery plan if the upgrade fails and makes the service unavailable?

If the upgrade fails, you can roll back to classic CLB; however, if the upgrade succeeds, rolling back is not supported.

CLB Instance Upgrade and Price Adjustment

Last updated : 2021-11-09 11:40:00

Tencent Cloud plans to upgrade the architecture of all CLB instances starting from 00:00:00, November 2, 2021 (UTC +8). After the upgrade, the guaranteed performance of each shared CLB instance will be increased to 50,000 concurrent connections, 5,000 new connections per second and 5,000 QPS

The performance is guaranteed for each CLB instance.

Note :

- Before the upgrade, shared CLB instances share resources of one cluster, which may affect the performance in case of resource contention.
- After the upgrade, the basic performance for every individual shared CLB instance is guaranteed. When the required performance exceeds the guaranteed value, resource contention may occur.

Price Adjustment

The price adjustment covers all CLB instances (former "Application Load Balancer instances") and Classic CLB instances.

- **A private network CLB instance is priced as 0.686 USD per day (1.029 USD per day for some regions).**
- **A public network CLB instance is priced as 0.686 USD per day (1.029 USD per day for some regions).**

See below for the new instance prices:

- Pay-as-you-go instance billing

Prices provided in this notice take effect from 00:00:00, November 2, 2021 (UTC +8) until next price adjustment. This document describes only the price adjustments. For specific prices, see the pricing on purchase page or in your actual order.

Billing Item	Billing Mode	Billing Cycle	Region	Price (Unit: USD/Day)
Instance fees	Pay-as-you-go	Day	Guangzhou, Shanghai, Nanjing, Beijing, Chengdu, Chongqing, Hong Kong (China), Singapore, Silicon Valley, Virginia, Toronto, Moscow, Jakarta	0.686

			Bangkok, Mumbai, Seoul, Tokyo, Frankfurt	1.029
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Note

The price adjustment may cause overdue payments, leading to account suspension and business interruption. Please delete unnecessary CLB instances based on your usage and monthly cost.

FAQs

How do I optimize my bill?

- Terminate idle CLB instances such as those without listeners or unbound to real servers.
- Each CLB can have up to 50 listeners. You can create multiple protocol ports for a single CLB instance. For more details, see [Restrictions](#).

References

- [Bill-by-IP Account Billing Description](#)
- [Bill-by-CVM Account Billing Description](#)
- [LCU Pricing](#)

【October 20, 2021】 Classic CLB End-of-Sale Notice

Last updated : 2022-03-24 09:40:51

Tencent Cloud will end the sale of Classic CLBs from October 20, 2021 (Beijing time). All Classic CLB features are included in the new Cloud Load Balancer (former Application Load Balancer). For a secure environment and better experience, please upgrade your existing classic CLBs ASAP.

End of Sale Time

All Classic CLB instances will be retired from October 20, 2021.

End of Sale Affect

Users can not purchase new classic CLBs from October 20, 2021. The usage of existing Classic CLBs are not affected.

Affect of Upgrading to New CLB

For a secure environment and better experience, please upgrade your existing classic CLBs ASAP. See [Instance Types](#) to learn about their differences.

- The upgrade will not affect the continuity of your business.
- The instance configuration will be changed after upgrade. For more details on configuring the new Load Balancer instances, see [Getting Started with CLB](#).
- After upgrade, [Classic CLB APIs](#) are not applicable. You need to use [Cloud Load Balancer APIs](#) instead.

How to Upgrade

1. Log in to the [CLB Console](#), and click **Instance Management** on the left sidebar.
2. On the **Instance Management** page, select a region in the top right corner, and click the **Classic Cloud Load Balancer** tab.
3. Find the instance to upgrade in the CLB instance list, and then select **More > Upgrade** under the **Operation** column.

Note :

The updated feature is in beta now. To use it, you can submit an application.

4. Click **Submit** in the **Upgrading to CLB** dialog box.

Application Load Balancer Name Change Announcement

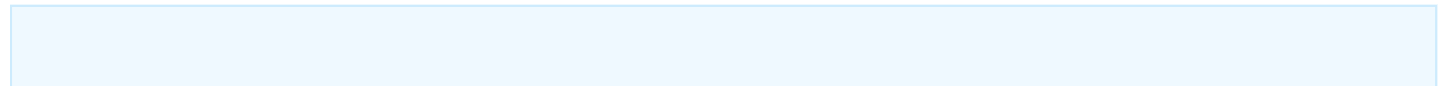
Last updated : 2020-05-22 14:13:12

Dear Tencent Cloud User,

For a better product experience, we are going to rename the instance type "Application Load Balancer" to "Cloud Load Balancer (CLB)".

Original Name	New Name	Instance Type Description
Application Load Balancer	Cloud Load Balancer	A major instance type which covers all features of Classic CLB <ul style="list-style-type: none">TCP/UDP/HTTP/HTTPS protocols are supportedFlexible forwarding capabilities based on domain name and URL path are provided
Classic CLB	Classic CLB	Classic CLB <ul style="list-style-type: none">configuration is simplePrivate network CLB does not support HTTP/HTTPS protocols

For detailed feature comparisons between the two instance types, please see [CLB Comparison](#).



1. The name change does not affect CLB configuration, billing, or other rules. The original name will be specified in parentheses within two months after name change, and only the new name will be used after that.
2. We apologize for any inconvenience caused. If you have any questions, please [submit a ticket](#). Thank you for your support.

Sincerely,

Tencent Cloud Team

【April 27, 2021】 Announcement on the Authentication Upgrade for Certain CLB APIs

Last updated : 2022-03-24 01:24:23

CLB will upgrade the authentication feature for certain APIs on April 27, 2021 (Beijing time). After the upgrade, sub-users need to [apply for CAM policy authorization](#) from the root account to use the upgraded APIs, or the API calls may fail.

Related APIs

API	Feature
DescribeClassicalLBByInstanceId	Queries the classic CLB instances bound to a real server
ReplaceCertForLoadBalancers	Replaces the certificate associated with a CLB instance
DescribeLoadBalancerListByCertId	Queries CLB instances by a certificate ID
DescribeQuota	Queries quotas
DescribeBlockIPList	Queries the IP blocklist of a CLB instance
DescribeBlockIPTask	Queries the execution status of an async IP blocking task
ModifyBlockIPList	Modifies the IP blocklist of a CLB instance

Authorizing Sub-users

Please complete the policy authorization for your sub-users as instructed below to prevent failed calls to the upgraded APIs.

1. Log in to the [CAM console](#).
2. Click **Policies** on the left sidebar.
3. Click **All Policies**.
4. Click **Associate Users/Groups** on the right of the target policy.
5. In the pop-up window, select target users from the box on the left to the **Selected** box on the right, and click **Confirm**.

Associate Users/User Groups ✕

Select Users (31 Total)

Support multi-keyword search by user name/ID/SecretId/mob 🔍

- **Users** **Switch to User Groups** ⌵

<input checked="" type="checkbox"/>		Users
<input checked="" type="checkbox"/>		Users
<input type="checkbox"/>		Users
<input type="checkbox"/>		Users
<input type="checkbox"/>		Users
<input type="checkbox"/>		Users

(2) selected

Name	Type	
[blurred]	Users	✕
[blurred]	Users	✕

Press Shift to select multiple items

Confirm
Cancel

6. It is optional: if you need to associate a user group, please click **Switch to User Groups -> User Groups** in the pop-up window, and repeat the operations in [step 5](#).

Switch to User Groups ⌵

Users

User Groups