

Server Load Balancer

Purchase Guide

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Server Load Balancer Service Prices

Alibaba Cloud's Server Load Balancer service provides two different billing methods: PayByTraffic and PayByBandwidth. Prices of the two billing methods are listed herein. You can use the Price Calculator to preliminarily estimate the costs of instances.

Product Billing Model and Pricing

PayByTraffic

- Billing model

Billing items: instance rental fee + public traffic fee (downstream traffic)

Method of payment: post payment

Instructions:

- Instance rental fee is based on two types of Server Load Balancer instances: public network and private network. A public Server Load Balancer instance includes the public IP address cost, while a private Server Load Balancer instance is rent-free.
- Public traffic fees are priced on a non-incremental, linear basis. For private network Server Load Balancer instances, no public traffic fee is collected.
- The traffic is billed by the hour, with fees deducted in real time. Within a billing cycle, a minimum one hour rate will be charged if the Server Load Balancer instance is used for less than one hour.
- The billing amount for the current billing cycle = instance rental fee for the current billing cycle + public traffic fee for the current billing cycle. Public traffic fees apply to public outbound traffic (downstream traffic). No fee is charged for public inbound traffic (upstream traffic).
- The billing time is usually within one hour after the end of the current billing cycle. For example, the bill for 10:00-11:00 will be generated after 11:00 based on the system billing time. After the bill is generated, the fee will be automatically deducted from your account balance.

- Product pricing

Prices of Server Load Balancer Service (Unit: USD)

Billing Item	Price Unit	East China 1 (Hangzhou)	North China 1 (Beijing)	Hong Kong	US East 1 (Virginia)	Singapore	Asia Pacific NE 1 (Singapore)	Central Europe 1 (Frankfurt)	Middle East 1 (Dubai)	Asia Pacific SE 2 (Singapore)

		gzh ou)/ Nort h Chin a 2 (Beij ing) / Sout h Chin a 1 (She nzh en) / East Chin a 2 (Sha ngh ai)	(Qin gda o)		gini a)/U S Wes t 1 (Silic on Vall ey)		(Jap an)	(Fra nkfu rt)	(Du bai)	(Syd ney)
Inst ance Rent al fee	USD /Inst ance /Ho ur	0.00 3	0.00 3	0.00 9	0.00 5	0.00 6	0.00 9	0.00 6	0.00 9	0.00 63
Traffic	USD /Gbps	0.12 5	0.11 3	0.15 6	0.07 8	0.11 7	0.12	0.07	0.44 7	0.13

PayByBandwidth

- Billing model: Billing items: instance rental fee + public bandwidth fee
- Method of payment: post payment

Instructions:

- Instance rental fee is based on two types of Server Load Balancer instances: public network and private network. A public Server Load Balancer instance includes the public IP address cost, while a private Server Load Balancer instance is rent-free.
- Public bandwidth fees are charged on an increment of 5 Mbps. For private network Server Load Balancer instances, no public traffic fee is collected.
- Fees are calculated hourly and settled daily (For bandwidth usage less than a full day, fees are calculated as follows: the actual hours of use x the daily price for the maximum bandwidth allowed / 24). If the Server Load Balancer instance is used for less than 1 hour, you will be charged based on 1 hour.
- Billing amount for the current billing cycle = instance rental fee for the current billing cycle + the highest public bandwidth fee in the current billing cycle. Server Load Balancer bandwidth fee is collected based on the instance bandwidth specifications you have subscribed to, rather than the

peak bandwidth used. For example, the hourly rate of a 2 Mbps public network instance is 0.02 (instance rental fee) + 2 x 0.04 = RMB 0.1.

e) The billing time generally comes after the end of the current billing cycle. The specific time may vary based on the system billing time. After a bill is generated, the fee will be automatically deducted from your account balance.

- Product pricing

Prices of Server Load Balancer Service (Unit: RMB)

Billing Item	Description	Price Unit	East China 1 (Hangzhou) / North China 2 (Beijing) / South China 1 (Shenzhen) / East China 2 (Shanghai)	Qingdao
Instance rental fee	Flat rate	RMB/Instance/ Hour	0.02	0.02
Bandwidth	1 - 5Mbps	RMB/Mbps/Hour	0.04	0.03
		RMB/Mbps/Day	0.96	0.72
	6Mbps and above	RMB/Mbps/Hour	0.14	0.13
		RMB/Mbps/Day	3.36	3.12

Idle Server Load Balancer Private Network Instance Recovery Mechanism

Currently Server Load Balancer does not collect fees for private network instances. However, these instances also use Server Load Balancer cluster resources. The Server Load Balancer system recovers Server Load Balancer instances that have been idle for a long time. The recovery mechanism is as follows:

Server Load Balancer private network instances that have not attached ECS in over 60 days after creation (excluding VPC private network instances).

Notification mechanism: You will be notified via SMS or email within 24 hours before such instance is released.

How to Purchase the Server Load Balancer Service

Restrictions

Server Load Balancer is a post-paid product. When you purchase a new Server Load Balancer instance, your account balance needs to be greater than RMB 100. Products already activated are not affected.

You can purchase the Server Load Balancer service only when you have subscribed to ECS and regions of the ECS.

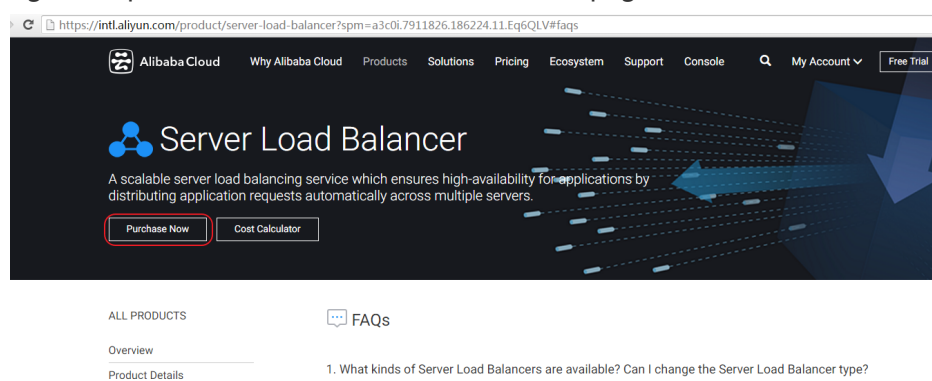
Purchase Procedure

If your account balance is greater than RMB 100 and you have subscribed to ECS, you can purchase the Server Load Balancer service from the official website (www.aliyun.com) of Alibaba Cloud. The procedure is as follows:

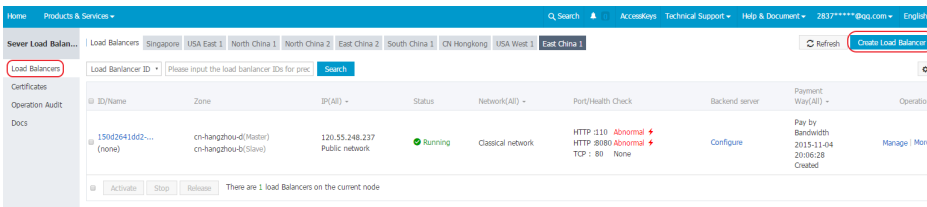
1. Log in to the Server Load Balancer purchase page

Currently, you can open the Server Load Balancer purchase page through any of the following methods:

(1) As shown in the figure below, log in to the official website of Alibaba Cloud, click “Elastic Computing & Networking” in the “Products” bar on the top. Click “Server Load Balancer” on the right to open the Server Load Balancer Details page, and click “Purchase Now” .



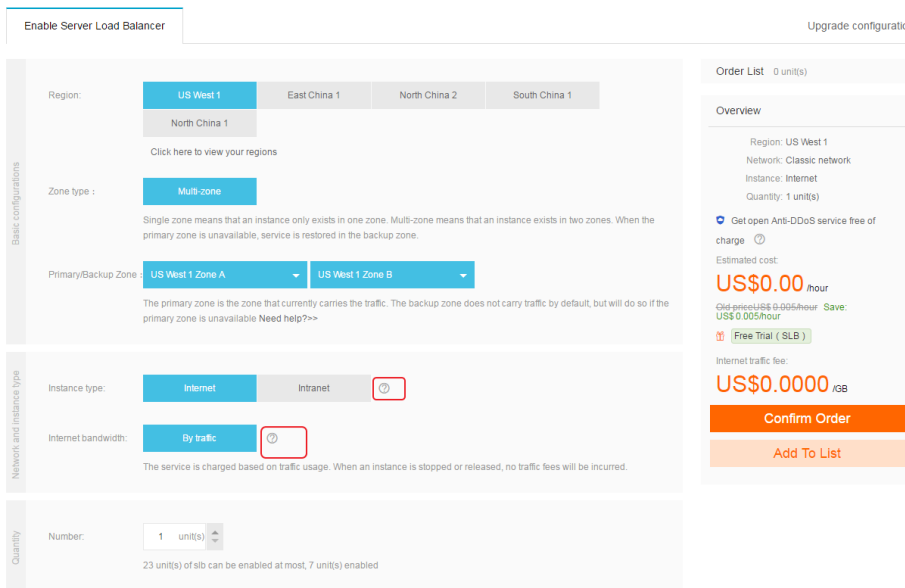
(2) Select “Load Balancers” on Server Load Balancer Console, and click “Create Load Balancer”



(3) Open the page directly using the link
<https://buy.aliyun.com/slb?spm=5176.383633.4.1.ObtNem#/postpay>

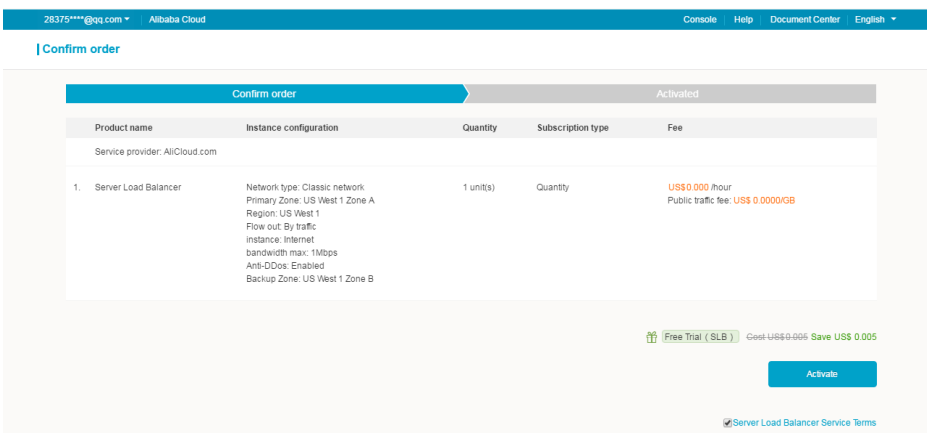
2. Select configurations

After opening the Server Load Balancer purchase page, you can select regions, network and instance types, and quantities as required. You can click “How to Select” next to the corresponding bar to select networks and instances of appropriate types.



3. Subscribe to an instance

Click “Confirm Order” on the purchase page, and then click “Activate” when confirming the order. Then the page jumps to “Order Center” or “Management Console” .



Payment Method

1. The Server Load Balancer service supports payment in cash or vouchers.
2. Cash payment requires you to recharge your AliCloud account using Alipay.
3. There are five types of vouchers: purchase, renew, upgrade, trial, and conversion from trial to normal use. Alibaba Cloud will issue vouchers during promotions. For promotions, please check the official website of Alibaba Cloud.
4. A Server Load Balancer bill must be paid in general or Server Load Balancer vouchers.

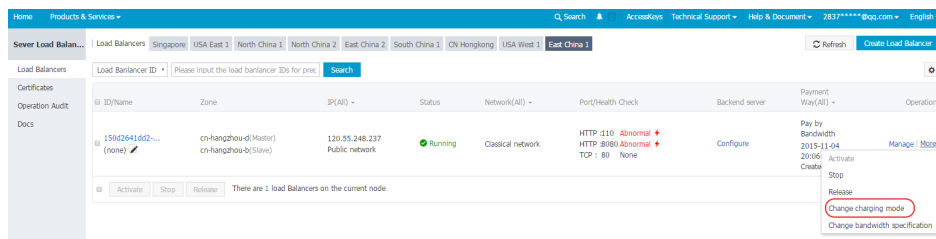
Configuration Change Procedure

Changing the Billing Method or Configuration

1. You may switch between PayByTraffic and PayByBandwidth.
2. In PayByBandwidth mode, you may change the bandwidth configuration flexibly.
3. Within one calendar day, you are allowed to change the billing method only once. Your change will take effect from 00:00 the next day. For example, if you submit a request for changing the billing method at 10:00 on May 5, the requested change will take effect from 00:00 on May 6.
4. In PayByBandwidth mode, bandwidth configuration changes will take effect immediately. Billing will be based on the highest bandwidth you have subscribed to in the calendar day.

Billing Method Change Procedure

Log in to the Server Load Balancer Console, open the Instance List Page, select “More” next to the instance, and click “Change charging mode” .



Open the configuration change page, as shown below:

Confirm order

Confirm order of configuration change
Submit

After the application for configuration change is submitted, the system changes the configuration at 00:00 next day. It takes 1 to 10 minutes to change the configuration.

Current config

Instance name : 150d2641dd2-cn-hangzhou-dg-a01

Public bandwidth : Pay by bandwidth Bandwidth value : 8Mbps

Change configuration Upgrade configuration

dps4pdGQAKWL4Mxw8qrME

Public bandwidth : Pay by traffic

Set peak value : Listener01 : HTTP : 110 Peak bandwidth limit : OFF

Listener02 : HTTP : 8080 Peak bandwidth limit : OFF

Listener03 : TCP : 80 Peak bandwidth limit : OFF

If you need to set the peak bandwidth, please enter 1-1000an integer.

Free Trial (SLB) Cost: US\$0.003/hour Save US\$0.003/hour
Fee after configuration change : US\$0.000/hour
Confirm configuration change

Click “Confirm configuration change” . The configuration takes effect at 00:00 the next day.

Procedure for Changing Bandwidth of a PayByBandwidth Instance

Open the Instance List Page, select “More” next to the Pay by Bandwidth instance, and click “Change bandwidth specification” .

The screenshot shows the 'Load Balancers' page in the console. A table lists instances with columns for ID, Name, Zone, IP, Status, Network, Port/Health Check, Backend server, Payment, and Operation. The 'Operation' column for the selected instance has a dropdown menu open, showing options like 'Pay by Bandwidth', 'Activate', 'Release', 'Change charging mode', and 'Change bandwidth specification' (which is circled in red).

Open the bandwidth change page, as shown below:

Confirm order of configuration change
Submit

After the application for configuration change is submitted, the system changes the configuration at 00:00 next day. It takes 1 to 10 minutes to change the configuration.

Current config

Instance name : 150d2641dd2-cn-hangzhou-dg-a01

Public bandwidth : Pay by bandwidth Bandwidth value : 8Mbps

Change configuration Upgrade configuration

dps4pdGQAKWL4Mxw8qrME

Public bandwidth : Pay by bandwidth

Public bandwidth : 250M 500M 1000M Mbps

Set peak value : Listener01 : HTTP : 110 Peak bandwidth limit : Mbps

Listener02 : HTTP : 8080 Peak bandwidth limit : Mbps

Listener03 : TCP : 80 Peak bandwidth limit : Mbps

The peak bandwidth limit must be set for monitoring of every service, and the value must be an integer greater than 0. The sum cannot be greater than the bandwidth value.

Free Trial (SLB) Cost: US\$0.144/hour Save US\$0.144/hour
Fee after configuration change : US\$0.000/hour
Confirm configuration change

After viewing the price after change, click “Confirm configuration change” . The change takes effect immediately.

Overdue Payment Policies

Overdue Payment Warning Policies

- The system determines, based on the average amount payable over the previous 24 hours for the Server Load Balancer service, whether the remaining account balance is sufficient to pay for the next three billing cycles. If the remaining account balance is insufficient, an SMS or email notification will be sent to you.
- If you have enabled the remaining balance warning feature, an SMS or email notification will be sent to you when the remaining account balance is less than your preset value.

Overdue Payment Service Suspension Policies

- After an instance payment is overdue, the service will be suspended in 24 hours. An SMS or email notification will be sent to you within 24 hours after the payment becomes overdue, prompting you to renew the service. If your account is recharged within 24 hours, the service will not be suspended.
- If you fail to renew the service after the instance payment is overdue for 24 hours, the instance service will be suspended. After the service is suspended, billing will also be suspended for the Server Load Balancer instance you are using. Instance-related configuration data will be retained for 7 days and then released. If you recharge your delinquent account sufficiently within 7 days, the service will be automatically started and resumed. If your account is delinquent for over 7 days, you are deemed to have voluntarily waived the Server Load Balancer service.
- An SMS or email notification will be sent to you one day before the instance is released. After the instance is released, the configuration data will be permanently deleted and cannot be restored.

Idle Server Load Balancer Private Network Instance Recovery Mechanism

Currently Server Load Balancer does not collect fees for private network instances. However, these instances also use Server Load Balancer cluster resources. The Server Load Balancer system recovers Server Load Balancer instances that have been idle for a long time. The recovery mechanism is as follows:

- Server Load Balancer private network instances that have not attached ECS in over 60 days after creation (excluding VPC private network instances).
- Notification mechanism: You will be notified via SMS or email within 24 hours before such instance is released.

The Differences Between Monitoring Data and Bill Metering Data

The monitoring indicators of the Server Load Balancer console show instance traffic data collected at 1-minute intervals. Once collected by the Server Load Balancer system, such data is reported to the cloud monitoring system. Then, the cloud monitoring system averages all the data collected over each period of 15 minutes and displays it externally. Bill metering data for Server Load Balancer instances is collected at the same intervals. After one consumer accounting period, the accumulated value for 1 hour is reported to the bill metering system for account settlement (the billing data is the accumulated value over each 1-minute interval, while the monitoring data is the accumulated value averaged over 15-minute intervals). Therefore, these two data sets are calculated and generated differently and are not comparable.

The Server Load Balancer system collects and reports data to the cloud monitoring system. Then, the cloud monitoring system averages and displays such data for the user through the console. This process inevitably has a certain delay. Although the delay is short and we will do our best to provide real-time data, the delay may cause the data to differ, to a certain extent, from the metering data. In addition, the billing metering data used for calculating the charges can tolerate a maximum delay of 3 hours. For example, the metering data generated between 01:00-02:00 will be reported by the Server Load Balancer to the metering system for billing before 03:00 in normal cases. But the system allows the latest report time of 05:00 for billing. Thus, from the view of different requirements on real-timeness, the two data sets are not comparable.

- Monitoring and bill metering are also defined differently. Monitoring is designed to provide a way to determine whether instances being monitored run properly, so that measures can be taken to promptly resolve any problems that may occur. By contrast, the aim of bill metering is to bill accounts based on resources actually consumed by an instance. Therefore, for the purpose of bill accounting, data produced by the bill metering system should be used instead of monitoring data as the basis for billing.

How Can I Check the Server Load Balancer Traffic I Have Used?

If billed by the traffic, you are certain to raise this question. You may want to know the amount of traffic you have used within a given period of time, based on which to estimate the fee for a future period.

To achieve this goal, you can go to User Center—Consumption Record—Bill—Server Load Balancer Bill—Export Consumption Record (Excel). Currently two types of granularity are supported: by hour and by day. We are planning to add more time interval options for inquiry and provide a chart preview.

The exported content is shown below. Please note that you cannot use the monitoring indicators from the Server Load Balancer console to check your account. For details, see [“The Differences Between Monitoring Data and Bill Metering Data”](#) .

Is the Traffic Produced By Health Checks Included When Billing?

No. The traffic produced by Server Load Balancer health checks will not be included into the traffic charges of the purchased instances.

Will Adding ECS to Server Load Balancer Cause Changes to the Billing Rules?

No. Whatever billing method of the backend ECS you have configured for the Server Load Balancer instance, the association of the ECS with Server Load Balancer will not cause any change to the billing rules. This is because Server Load Balancer and ECS perform metering, billing and account settlement separately based on your usage of each service.

Will I Be Billed for Attack Traffic? Does Billing Apply to an Instance With All ECSs Suspended or With No ECS Attached? Will I

Be Charged for a Suspended Instance?


Billing Policy

First, Server Load Balancer currently only bills outbound traffic. Inbound traffic is not billed

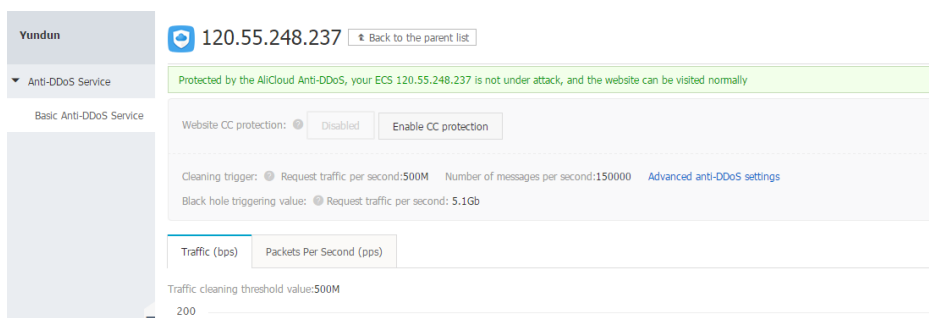
Attack Traffic Billing Questions

- Protection from attacks

Server Load Balancer currently works with Yundun to provide defense against attacks. Click the Yundun icon on the Server Load Balancer instance list page to perform configurations on the Yundun console.

Load Balancer ID	Please input the load balancer I
<input type="checkbox"/>	ID/Name
<input type="checkbox"/>	Zone
<input type="checkbox"/>	1528c51a9af-... (none)
<input type="checkbox"/>	 cn-shenzhen-b(Master) cn-shenzhen-a(Slave)

On the Yundun console, select Server Load Balancer, and click the instance IP address you want to set. The page for DDoS protection configuration appears. This is shown below



Yundun 120.55.248.237 [Back to the parent list](#)

Protected by the AliCloud Anti-DDoS, your ECS 120.55.248.237 is not under attack, and the website can be visited normally

Website CC protection: Disabled Enable CC protection

Cleaning trigger: Request traffic per second:500M Number of messages per second:150000 [Advanced anti-DDoS settings](#)

Black hole triggering value: Request traffic per second: 5.1Gb

Traffic (bps) Packets Per Second (pps)

Traffic cleaning threshold value:500M
200

Here, CC protection is disabled by default, while cleaning and black hole are enabled by default. You can define the cleaning threshold value based on your needs. Black hole is set to 5 Gbps by default. To adjust the black hole threshold value, you can submit a ticket or purchase a high-defense IP.

- Attack billing questions

From the time an attack reaches the cleaning or black hole threshold value till the time Yundun begins cleaning or using the black hole, there may be a latency of several seconds. Therefore, the responses to attack packets during this period may produce a certain amount of fee. Such attack may

also consume Server Load Balancer bandwidth resources.

Does Billing Apply to an Instance With All ECSs Suspended or With No ECS Attached?

- PayByTraffic

NOTE: In short, in case of billing by traffic, no traffic fee is generated only when an instance is suspended or released, or is not accessed. The following describes the overall data development process:

Server Load Balancer is a load balancing device located before ECS and provides services through VIP. When all the ECSs of a Server Load Balancer instance are suspended, but the Server Load Balancer instance is not suspended, inbound traffic will still reach the Server Load Balancer VIP if requested. In this case, Server Load Balancer may respond after discovering that no backend ECSs are available through health check.

For a Layer-4 Server Load Balancer service, only three-way handshake packets are returned. For a Layer-7 Server Load Balancer service, a Tengine 503 error page appears because Tengine provides the service. If requests for access flood in, the Server Load Balancer will respond continuously. Such response traffic will be billed.

This also applies to instances without attached ECS.

To avoid billing in this situation, it is recommend that you suspend a Server Load Balancer instance you are not using (either through the console or OPENAPI), rather than simply suspending all its ECS services or detaching all ECSs.

You can suspend an instance using the console on the Server Load Balancer instance list page, as shown below

ID/Name	Zone	IP(AI)	Status	Network(AI)	Port/Health Check	Backend server	Payment Way(AI)	Operation
155239a252b... (none)	ap-southeast-1a(Master) ap-southeast-1b(Slave)	47.88.131.9	Running	Public network	Configure	Configure	Pay by Traffic 2016-06-06 16:50:18 Created	Manage More Stop
155143521d5... (none)	ap-southeast-1a(Master) ap-southeast-1a(Slave)	172.21.14.3	Running	Private network (vpc-32x18f5k)	Configure	Configure	2016-06-03 11:02:23 Created	Manage More Release
15513ca3a61... (none)	ap-southeast-1a(Master) ap-southeast-1b(Slave)	172.21.0.17	Running	Private network (vpc-22x18f5k)	Configure	Configure	2016-06-03 09:08:51 Created	Manage More
1550628443... (none)	ap-southeast-1b(Master) ap-southeast-1a(Slave)	47.88.232.2	Running	Public network	Configure	Configure	Pay by Traffic 2016-06-01 17:54:13 Created	Manage More
1550660231... (none)	ap-southeast-1a(Master) ap-southeast-1b(Slave)	172.21.0.16	Running	Private network (vpc-22x18f5k)	Configure	Configure	2016-06-01 17:52:15 Created	Manage More

For suspension through OPENAPI, please refer to the API reference

https://intl.aliyun.com/docs?spm=0.0.0.0.bXdJzD#/pub/slb_en_us/API-Reference/Api-Related-Loadbalancer&SetLoadBalancerStatus

- Billing by fixed bandwidth

In the case of billing by fixed bandwidth, fees are independent of instance status and traffic usage.

You will be charged as long as you activate the service. Billing will end only after the instance is released.