

Bandwidth Package

Purchase Guide

Product Documentation



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Pay-as-you-go

Daily Pay-as-you-go

Pay-as-you-go - Bandwidth-based

Last updated : 2024-06-11 18:19:19

This document describes the bandwidth-based pay-as-you-go billing mode of BWP.

Note:

For detailed BWP pricing, see [Billing Overview](#).

Bandwidth-based pay-as-you-go billing is only available for general BGP bandwidth packages.

When a bandwidth package is activated, the bandwidth fee of one billing cycle is frozen from your account based on your selected bandwidth cap and the unit price. For details, see [Frozen Funds](#).

Billing description

Billing date

The bill is issued on Day 1-2 of every month. You can check the details in Cost Center.

Settlement date

Fees are calculated on a daily basis and automatically deducted from the account balance of the user.

Scope

A bandwidth package is region-specific, which means it can only be used in one region.

Bandwidth cap

Instance-based bandwidth cap: The bandwidth cap selected upon creation of the bandwidth package

Regional total bandwidth: For bandwidth limits of different line types, see [Use Limits](#).

Fee calculation

Bandwidth package fee = The maximum bandwidth cap selected on the current day (Mbps) × billable period (days) × product unit price (USD/Mbps/day).

Maximum bandwidth cap selected on the current day: The highest bandwidth cap set for the bandwidth package in the settlement period.

Billing duration: The bandwidth-based fee is settled on a daily basis, and the minimum billable unit is one hour. See the billing example below.

Pay-as-you-go - Bandwidth-based

Region	Unit Price (USD/Mbps/day)
All regions except São Paulo	0.55
São Paulo	0.7

Billing example

Assume that on June 1st, you have a bandwidth-based pay-as-you-go general bandwidth package in Nanjing at a unit price of 0.55 USD/Mbps/day. The max bandwidth cap of the day is 80 Mbps. The package is created at 10:45:00 and deleted at 13:30:00, therefore the billable period is 3 hours.

Bandwidth package fee = $80 \times (3/24) \times 0.55 = 5.5$ USD

See also

[Billing Overview](#)

Pay-as-you-go (Monthly)

Pay-as-you-go - Monthly Top 5

Last updated : 2023-05-05 15:17:24

This document describes the monthly top 5 billing mode of BWP.

Note:

For detailed BWP pricing, see [Billing Overview](#).

Billing Details

Billing date

The bill is issued on Day 1-2 of every month. You can check the details in Cost Center.

Settlement date

Fees are calculated on a monthly basis. The fee is automatically deducted from the account balancer of the user.

Billing scope

BWP is region-specific, which means that one BWP only applies to a single region.

Note:

View the component usage details shown in the bills obtained from the billing center. Usage = BWP monthly peak x Number of valid days/Number of billable days in the month.

Peak bandwidth

Instance peak bandwidth: The peak bandwidth of an instance billed on bandwidth packages is 2 Gbps. Note that this is the max possible bandwidth, but not the committed bandwidth. In case of resource contention, the peak bandwidth may not reach this value.

Regional total bandwidth: For bandwidth limits of different line types, see [Use Limits](#).

Billing Formula

BWP fee = BWP monthly peak x Unit price x Number of valid days/Number of billable days in the month.

Daily peak: the maximum outbound bandwidth and inbound bandwidth will be respectively collected every five minutes, and the higher value is taken as a sample point. All the 288 sample points on the day are sorted in descending order, and the fifth-highest value is used as the daily peak bandwidth.

Monthly peak: on the settlement date, the daily peaks of the valid days in the last month are sorted in descending order, and the average value of the top 5 peaks is used as the monthly peak.

Valid day: a day in which at least one bandwidth value is greater than 1 Kbps.

Billable days in the month: the actual number of days during the month in which BWP is used.

Billing Example

Assume you use a BGP bandwidth package in June at a unit price of 16.97 USD/Mbps/month, where there are 30 billable days. Of those days, there are 20 days with active usage, and the top 5 peak bandwidths are 100 MB, 95 MB, 90 MB, 85 MB and 80 MB.

Monthly peak = $(100 + 95 + 90 + 85 + 80) / 5 = 90$ MB

BWP fee = $90 \times 16.97 \times 20 / 30 = 1,018.2$ USD

Pay-as-you-go - Enhanced 95th Percentile

Last updated : 2023-11-30 19:27:28

Note:

For detailed BWP pricing, please see [Billing Overview](#).

Pay-as-you-go - Enhanced 95th percentile is only available to bill-by-IP accounts. You can check your account type as instructed in [Checking Account Type](#) and upgrade your account if necessary.

When a bandwidth package is activated, the bandwidth fee of one billing cycle is frozen from your account based on your selected bandwidth cap and the unit price. For details, see [Frozen Funds](#).

The minimum bandwidth usage defaults to 20%. If your bandwidth cap is higher than 5G, the ratio may exceed 20%.

Billing description

Billing date

The bill is issued on Day 1-2 of every month. You can check the details in Cost Center.

Settlement date

Fees are calculated on a monthly basis. The fee is automatically deducted from the account balance of the user.

Billing scope

Bandwidth packages are region-specific, which means that one bandwidth package only applies to a single region.

Note:

View the component usage details shown in the bills obtained from the billing center. Usage = Bandwidth package monthly peak x Number of valid days/Number of billable days in the month.

Bandwidth cap

Instance-based bandwidth cap:

Regional total bandwidth: For bandwidth limits of different line types, see [Use Limits](#).

Fee calculation

Bandwidth package fee = MAX (Monthly peak bandwidth x Valid days/Days of the billable month, Package duration/Days of the billable month) x Unit price.

Monthly peak bandwidth: Collect the values of inbound and outbound bandwidth every 5 minutes. Take the higher one between these two as the bandwidth of the sampling point of time. 288 sample points are collected every day. The fifth highest value is taken as the daily peak bandwidth. The average of the five highest daily peaks is taken as the monthly peak bandwidth.

Monthly minimum bandwidth: Daily minimum bandwidth = Bandwidth cap of the package on that day × Minimum usage ratio (default to 20%). The average of daily minimum bandwidth values of package duration days is taken as the Monthly minimum bandwidth. The daily minimum bandwidth is recorded from the package creation day till the deletion day.

Valid days: Number of days with at least one bandwidth sample point greater than 1 Kbps.

Package duration: Number of calendar days from the creation day to the deletion day of the package.

Days of the billable month: Number of calendar days of the billable month.

Billing examples

Assume that you create a general BGP bandwidth package on June 10, and delete it on June 21. During this period, the bandwidth cap of the package is set to 500 Mbps, with the minimum bandwidth usage of 20%. The unit price is 16.97 USD/Mbps/month.

Bandwidth peaks over 1 Kbps are recorded on 6 days. The bandwidth package is valid for 12 days. The monthly peak bandwidth is 80 Mbps. The bandwidth package fee of the month is calculated as below:

Monthly peak bandwidth = 80 Mbps

Daily minimum bandwidth = 500 Mbps × 20% = 100 Mbps

Monthly minimum bandwidth = 100 Mbps

Bandwidth package fee = MAX (80 × 6/30, 100 × 12/30) × 16.97 = MAX (16, 40) × 16.97 = 678.8 USD.

Postpaid - Billed by the hour

Postpaid - pay-as-you-go billed by main traffic

Last updated : 2024-06-07 11:16:14

This document provides you with the billing description, billing formula, traffic unit price, and billing example for the conventional BGP IP route of the postpaid - pay-as-you-go BWP based on main traffic.

Note:

For the conventional BGP IP route type, the bandwidth cap for postpaid - pay-as-you-go BWP billed by main traffic can be set in the range of 50 Mbps - 2,000 Mbps.

Postpaid - pay-as-you-go billed by main traffic calculates charges within a billing cycle by taking the larger traffic volume of the inbound and outbound directions as the main traffic.

Traditional account types do not support the use of the postpaid - pay-as-you-go mode billed by main traffic. To confirm your account type, see [Determining Account Type](#).

Billing Description

Billing Time

Billed hourly, with a pay-as-you-go payment mode. For specific billing times, please refer to the prompts in the Billing Center. See [Billing Introduction](#) for details.

Settlement Time

Fees are settled hourly. Within a billing cycle, durations shorter than 1 hour are billed as 1 hour, and fees are automatically deducted from the account balance after they are generated.

Settlement Scope

A bandwidth package is region-specific, which means it can only be associated with one region.

Bandwidth Peak

Single instance bandwidth peak: The bandwidth cap selected by the customer when creating the bandwidth package.

Total bandwidth value in a single region: For bandwidth limits of different line types, see [BWP Usage Restrictions](#).

Billing Formula

BWP Fee = MAX (Outbound Traffic, Inbound Traffic) × Traffic Unit Price = Main Traffic × Traffic Unit Price

Traffic Unit Price

Region	Price (Unit: USD/GB)
Chinese Mainland, Hong Kong (China), Taipei (China), Seoul	0.12
Singapore, Bangkok	0.081
Jakarta	0.09
Silicon Valley	0.077
Virginia	0.075
Sao Paulo	0.138
Frankfurt	0.07
Tokyo	0.087
Mumbai	0.085

Billing Examples

Assuming that on June, 1 at 10:00:00, you created a conventional BGP IP route type BWP in the Nanjing region, with post-paid billing based on the main traffic. You added an EIP instance from the same region to this BWP for public network access service. During the billing cycle from 10:00:00 to 10:59:59, the BWP's outbound traffic was 10 GB, and the inbound traffic was 15 GB. Thus, billing is based on the main traffic of 15 GB. The traffic unit price in the Nanjing region is 0.80 USD/GB.

At 11:00:00, the cost generated by this main traffic bandwidth package is:

$$\text{BWP Fee} = \text{MAX}(10 \text{ GB}, 15 \text{ GB}) \times 0.80 \text{ USD/GB} = 15 \text{ GB} \times 0.80 \text{ USD/GB} = 12 \text{ USD}$$

Billing Overview

Last updated : 2023-03-13 17:46:02

This document describes the BWP pricing of different bandwidth types.

Bandwidth Type

Tencent Cloud offers the following bandwidth packages according to the bandwidth type.

Bandwidth Type	Description
BGP Bandwidth Package	A bandwidth package using BGP IP lines, which can be manually created.
Dedicated BGP Bandwidth Package	A bandwidth package using dedicated BGP IP lines, which can be manually created.
AIA BGP Bandwidth Package	A bandwidth package using AIA BGP IP lines, which can only be automatically created by the system.

BGP Bandwidth Package

Region	Unit Price (USD/Mbps/month)
All regions except São Paulo	16.97
São Paulo	21.23

Dedicated BGP Bandwidth Package

Note:

Currently, dedicated BGP bandwidth packages is only available to bill-by-IP accounts. For bill-by-CVM accounts, please first upgrade to bill-by-IP account. See [Checking Account Type](#). Dedicated BGP bandwidth package is in beta now. To try it out, please contact your sales representative.

Dedicated BGP bandwidth package is only available in Hong Kong, China.

Region	Unit Price (USD/Mbps/month)
Hong Kong, China	87.88

AIA BGP Bandwidth Package

Note:

For more information about its billing details, see [AIA Purchase Guide](#).

Anycast EIP Region	Acceleration Region(Unit Price (USD/Mbps/month))			
	Asia	Europe	North America	South America
Asia (Hong Kong (China), Singapore, Bangkok, Mumbai, Seoul, and Tokyo)	18.86	18.86	18.86	44
Europe (Frankfurt and Moscow)	18.86	18.86	18.86	26
North America (Silicon Valley)	18.86	18.86	18.86	26
South America(Sao Paulo)	44	26	26	21

Documentation

[Billing Modes](#)

Billing Modes

Last updated : 2022-10-20 11:16:00

This document describes the two pay-as-you-go billing modes of bandwidth packages: monthly top 5 and monthly 95th percentile.

Note:

For detailed BWP pricing, please see [Product Pricing](#).

Billing

Billing date

The first day of the calendar month immediately after the current billing cycle. For example, the BWP bill for usage in January (between 2021-01-01 00:00:00 and 2021-01-31 23:59:59) is generated on February 1st.

Settlement date

BWP is billed by month. The fees will be automatically deducted from the account balance after the bill is generated.

Billing scope

BWP is region-specific, which means that one BWP only applies to a single region.

Note:

View the component usage details shown in the bills obtained from the billing center. Usage = BWP monthly peak x Number of valid days/Number of billable days in the month.

Peak bandwidth

Single instance: the peak bandwidth of an instance billed on bandwidth packages is 2 Gbps. The peak bandwidth is only regarded as the maximum bandwidth for reference, and not as the committed bandwidth. When bandwidth resources are contested, the peak bandwidth may be limited.

Single region: the sum of peak bandwidths of all the running instances billed on bandwidth packages cannot exceed 50 Gbps in one region. If your application requires a guaranteed or higher bandwidth, contact your sales rep or [submit a ticket](#). In this case, you need to pay the guaranteed bandwidth fee on a pro rata basis.

Monthly Top 5 Billing

Billing formula

BWP fee = BWP monthly peak x Unit price x Number of valid days/Number of billable days in the month.

Daily peak: the maximum outbound bandwidth and inbound bandwidth will be respectively collected every five minutes, and the higher value is taken as a sample point. All the 288 sample points on the day are sorted in descending order, and the fifth-highest value is used as the daily peak bandwidth.

Monthly peak: on the settlement date, the daily peaks of the valid days in the last month are sorted in descending order, and the average value of the top 5 peaks is used as the monthly peak.

Valid day: a day in which at least one bandwidth value is greater than 1 Kbps.

Billable days in the month: the actual number of days during the month in which BWP is used.

Pricing examples

Assume you use a BGP bandwidth package in June at a unit price of 16.97 USD/Mbps/month, where there are 30 billable days. Of those days, there are 20 days with active usage, and the top 5 peak bandwidths are 100 Mbps, 95 Mbps, 90 Mbps, 85 Mbps and 80 Mbps.

Monthly peak = $(100 + 95 + 90 + 85 + 80) / 5 = 90$ Mbps

BWP fee = $90 \times 16.97 \times 20 / 30 = 1,018.2$ USD

Monthly 95th Percentile

Note:

Monthly 95th percentile billing is available only to customers with monthly network product consumption greater than 15,000 USD. For more information, contact your sales rep or [submit a ticket](#). The monthly 95th percentile prices are subject to change in some regions.

Billing formula

BWP fee = BWP monthly peak x Unit price x Number of valid days/Number of billable days in the month.

Monthly peak: the maximum outbound bandwidth and inbound bandwidth will be respectively collected every five minutes, and the higher value is taken as a sample point. All sample points of the current month are sorted in descending order, and the top 5% are removed. The highest value of the remaining sample points is used as the monthly peak bandwidth.

Suppose you use BWP for 14 valid days in June. As one sample point is generated every 5 minutes, 288 sample points are generated every day, and 4,032 sample points are generated in 14 days. The bandwidth values of these sample points are sorted in descending order, the top 5% of the sample points ($4,032 \text{ sample points} \times 0.05 = 201.6$ sample points) are removed. The bandwidth value of the 202nd sample point is taken as the 95th percentile of monthly peak bandwidth.

Valid day: a day in which at least one bandwidth value is greater than 1 Kbps.

Billable days in the month: the actual number of days during the month in which BWP is used.

Pricing examples

Assume you use a BGP bandwidth package in June at a unit price of 16.97 USD/Mbps/month, where there are 30 billable days. Of those days, there are 20 days with bandwidth usage. The 95th percentile of monthly peak is 120

Mbps.

BWP fee = $120 \times 16.97 \times 20 / 30 = 1,357.6$ USD

References

[Product Pricing](#)

Overdue Policy

Last updated : 2023-07-26 14:34:08

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.

1. When your account balance is insufficient, BWP will continue to be available for use and billed for another 2 hours after the balance becomes 0.
2. If your account is not topped up to a positive value after 2 hours, the BWP service will be automatically suspended and no more charges will be incurred.
3. If your account is not topped up to a positive value within 24 hours after your Tencent Cloud BWP goes out of service, the BWP will remain unavailable until your account balance is above zero.
4. If your account balance is below zero for more than 24 hours after the suspension of the service, the BWP will be repossessed immediately.
5. When the BWP is repossessed, we will notify the creator of your Tencent Cloud account and all collaborators via email and SMS message.