

# Alibaba Cloud NAT Gateway

## Bandwidth Package

Issue: 20181008

# Legal disclaimer

---

Alibaba Cloud reminds you to carefully read and fully understand the terms and conditions of this legal disclaimer before you read or use this document. If you have read or used this document, it shall be deemed as your total acceptance of this legal disclaimer.

1. You shall download and obtain this document from the Alibaba Cloud website or other Alibaba Cloud-authorized channels, and use this document for your own legal business activities only. The content of this document is considered confidential information of Alibaba Cloud. You shall strictly abide by the confidentiality obligations. No part of this document shall be disclosed or provided to any third party for use without the prior written consent of Alibaba Cloud.
2. No part of this document shall be excerpted, translated, reproduced, transmitted, or disseminated by any organization, company, or individual in any form or by any means without the prior written consent of Alibaba Cloud.
3. The content of this document may be changed due to product version upgrades, adjustments, or other reasons. Alibaba Cloud reserves the right to modify the content of this document without notice and the updated versions of this document will be occasionally released through Alibaba Cloud-authorized channels. You shall pay attention to the version changes of this document as they occur and download and obtain the most up-to-date version of this document from Alibaba Cloud-authorized channels.
4. This document serves only as a reference guide for your use of Alibaba Cloud products and services. Alibaba Cloud provides the document in the context that Alibaba Cloud products and services are provided on an "as is", "with all faults" and "as available" basis. Alibaba Cloud makes every effort to provide relevant operational guidance based on existing technologies. However, Alibaba Cloud hereby makes a clear statement that it in no way guarantees the accuracy, integrity, applicability, and reliability of the content of this document, either explicitly or implicitly. Alibaba Cloud shall not bear any liability for any errors or financial losses incurred by any organizations, companies, or individuals arising from their download, use, or trust in this document. Alibaba Cloud shall not, under any circumstances, bear responsibility for any indirect, consequential, exemplary, incidental, special, or punitive damages, including lost profits arising from the use or trust in this document, even if Alibaba Cloud has been notified of the possibility of such a loss.
5. By law, all the content of the Alibaba Cloud website, including but not limited to works, products, images, archives, information, materials, website architecture, website graphic layout, and webpage design, are intellectual property of Alibaba Cloud and/or its affiliates. This intellectual property includes, but is not limited to, trademark rights, patent rights, copyrights, and trade








secrets. No part of the Alibaba Cloud website, product programs, or content shall be used, modified, reproduced, publicly transmitted, changed, disseminated, distributed, or published without the prior written consent of Alibaba Cloud and/or its affiliates. The names owned by Alibaba Cloud shall not be used, published, or reproduced for marketing, advertising, promotion, or other purposes without the prior written consent of Alibaba Cloud. The names owned by Alibaba Cloud include, but are not limited to, "Alibaba Cloud", "Aliyun", "HiChina", and other brands of Alibaba Cloud and/or its affiliates, which appear separately or in combination, as well as the auxiliary signs and patterns of the preceding brands, or anything similar to the company names, trade names, trademarks, product or service names, domain names, patterns, logos, marks, signs, or special descriptions that third parties identify as Alibaba Cloud and/or its affiliates).

6. Please contact Alibaba Cloud directly if you discover any errors in this document.



# Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 <b>Danger:</b> Resetting will result in the loss of user configuration data.
	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 <b>Warning:</b> Restarting will cause business interruption. About 10 minutes are required to restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 <b>Note:</b> Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 <b>Note:</b> You can use <b>Ctrl + A</b> to select all files.
>	Multi-level menu cascade.	<b>Settings &gt; Network &gt; Set network type</b>
<b>Bold</b>	It is used for buttons, menus, page names, and other UI elements.	Click <b>OK</b> .
Courier font	It is used for commands.	Run the <code>cd /d C:/windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[] or [a b]	It indicates that it is a optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	It indicates that it is a required value, and only one item can be selected.	<code>swich {stand / slave}</code>

# Contents

---

<b>Legal disclaimer.....</b>	<b>I</b>
<b>Generic conventions.....</b>	<b>I</b>
<b>1 Manage NAT bandwidth packages.....</b>	<b>1</b>
<b>2 Billing of NAT bandwidth package.....</b>	<b>3</b>

# 1 Manage NAT bandwidth packages

---

After creating a NAT Gateway, you must first create a shared bandwidth package to configure SNAT and DNAT entries. A shared bandwidth package consists of multiple public IPs and a public network bandwidth.

**Note:**

EIP has supported binding NAT Gateway. Open a ticket to use EIP.

## Edit shared bandwidth package

To edit a shared bandwidth package, complete these steps:

1. Log on to the [VPC console](#).
2. In the left-side navigation pane, click **NAT Gateways**.
3. Select the region of the NAT Gateway.
4. Click the ID of the target NAT Gateway.
5. In the left-side navigation pane, click **Shared Bandwidth Package**.
6. In the **Basic Info** area, click **Edit** to enter a name and description.
7. In the displayed dialog, enter a name and description, and then click **Confirm**.

## Add and remove public IPs

To add or remove public IP, complete these steps:

1. Log on to the [VPC console](#).
2. In the left-side navigation pane, click **NAT Gateways**.
3. Select the region of the NAT Gateway.
4. Click the ID of the target NAT Gateway.
5. In the left-side navigation pane, click **Shared Bandwidth Package**.
6. In the **Public IP List** area, click **Add Public** to add more IPs.
7. In the **Public IP List** area, click **Release** to delete a public IP.

**Note:**

If the IP is used in an SNAT entry or a DNAT entry, delete the entry first.

## Change bandwidth

To change the bandwidth, complete these steps:

1. Log on to the [VPC console](#).
2. In the left-side navigation pane, click **NAT Gateways**.
3. Select the region of the NAT Gateway.
4. Click the ID of the target NAT Gateway.
5. In the **Billing Info** area, click **Modify Bandwidth**.
6. In the **Change configuration** area, select a bandwidth and click **Activate**.

#### Delete a bandwidth package

To delete a bandwidth package, complete these steps:

1. Log on to the [VPC console](#).
2. In the left-side navigation pane, click **NAT Gateways**.
3. Select the region of the NAT Gateway.
4. Click the ID of the target NAT Gateway.
5. In the left-side navigation pane, click **Shared Bandwidth Package**.
6. Click **Delete** on the shared bandwidth package pane.
7. In the displayed dialog, click **Confirm**.

## 2 Billing of NAT bandwidth package

A NAT bandwidth package encapsulates public IPs and bandwidth resource. A bandwidth package consists of one or more public IPs. Therefore, the fee of a NAT bandwidth package includes the public IP retention fee and traffic fee.

### Billing methods

NAT bandwidth package supports Pay-As-You-Go billing. The NAT bandwidth package fee is billed on an hourly basis and is deducted in real time. Partial hours are billed as full hours. In a billing cycle, partial hours are billed as full hours.

### Billing items

The NAT bandwidth package fee includes public IP retention fee and traffic fee.

- Public IP fee = IP price × number of IPs × retention time
- Traffic fee = Traffic price × amount of outgoing traffic
  - Only the outgoing traffic (from Alibaba Cloud to the Internet) is billed, and the incoming traffic is not billed.
  - Modifying the peak bandwidth does not affect the unit price. However, we recommend that you configure the bandwidth based on your actual needs to avoid generating excessive charged traffic due to program error or malicious access.

The following table shows the traffic prices and IP charges for each region.

**Note:**

The price here is a reference, take the price on the purchase page as standard.

Region	IP retention fee (USD/hour/ per IP)	Traffic price (USD/GB)
China (Qingdao)	0.003	0.113
China (Hangzhou), China (Shanghai), China (Beijing), China (Zhangjiakou), China (Shenzhen)	0.003	0.125
Hong Kong	0.009	0.156
Singapore	0.125	0.081
US (Virginia)	0.005	0.078

Region	IP retention fee (USD/hour/ per IP)	Traffic price (USD/GB)
US (Silicon Valley)	0.005	0.078
Japan (Tokyo)	0.005	0.12
India (Mumbai)	0.009	0.447
Australia (Sydney)	0.006	0.13
Malaysia (Kuala Lumpur)	0.112	0.13
Germany (Frankfurt)	0.006	0.07