

NAT Gateway

Getting Started

Product Documentation



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Getting Started

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You can easily access the Internet through a NAT Gateway by completing the following steps.

Step 1. Create a NAT Gateway

1. Log in to the [VPC console](#) and click **NAT Gateway** on the left sidebar.
2. Click **+New** in the top-left corner to access the **Create NAT Gateway** page. Enter or confirm the following parameters:
 - Gateway Name: name of the gateway
 - Network: a VPC where the NAT Gateway service resides.
 - Gateway Type: type of the gateway. You can change this later.
 - Outbound Bandwidth Cap: outbound bandwidth limit for the NAT Gateway
 - Elastic IP: select or create an EIP to bind to the NAT Gateway.

Note :

When the public network is accessed through the EIP bound to a NAT Gateway, the public network traffic will be determined by the lower of the NAT Gateway's or EIP's bandwidth cap. To ensure that the traffic peak reaches the NAT Gateway's bandwidth cap and avoid packet loss, we recommend:

- Set the outbound bandwidth cap of a new NAT Gateway to no more than the total bandwidth caps of EIPs to be bound.
- For an existing NAT Gateway bound with an EIP, you can modify the outbound bandwidth cap of the NAT Gateway or EIP, or bind multiple EIPs, ensuring that the outbound bandwidth cap of the NAT Gateway is no more than the total bandwidth caps of bound EIPs.

Create a NAT Gateway

Gateway Name

60 more characters allowed

Network

Region South China (Guangzhou)

Gateway Type

Outbound Bandwidth Cap



NAT gateway network fee is calculated according to the outbound bandwidth.

Elastic IP

[+ Bind IP](#) Up to 10 IPs can be bound

[Advanced Options](#) ▶

Gateway Fee **0.09 USD/hr**

Network Fee **0.12 USD/GB**

After creation, you need to configure routing rules and point the subnet traffic to NAT gateway.
To get notified about abnormal NAT gateway behaviors instantly, please [configure alarms](#).

Create

Close

3. After completing the configurations, click **Create**.

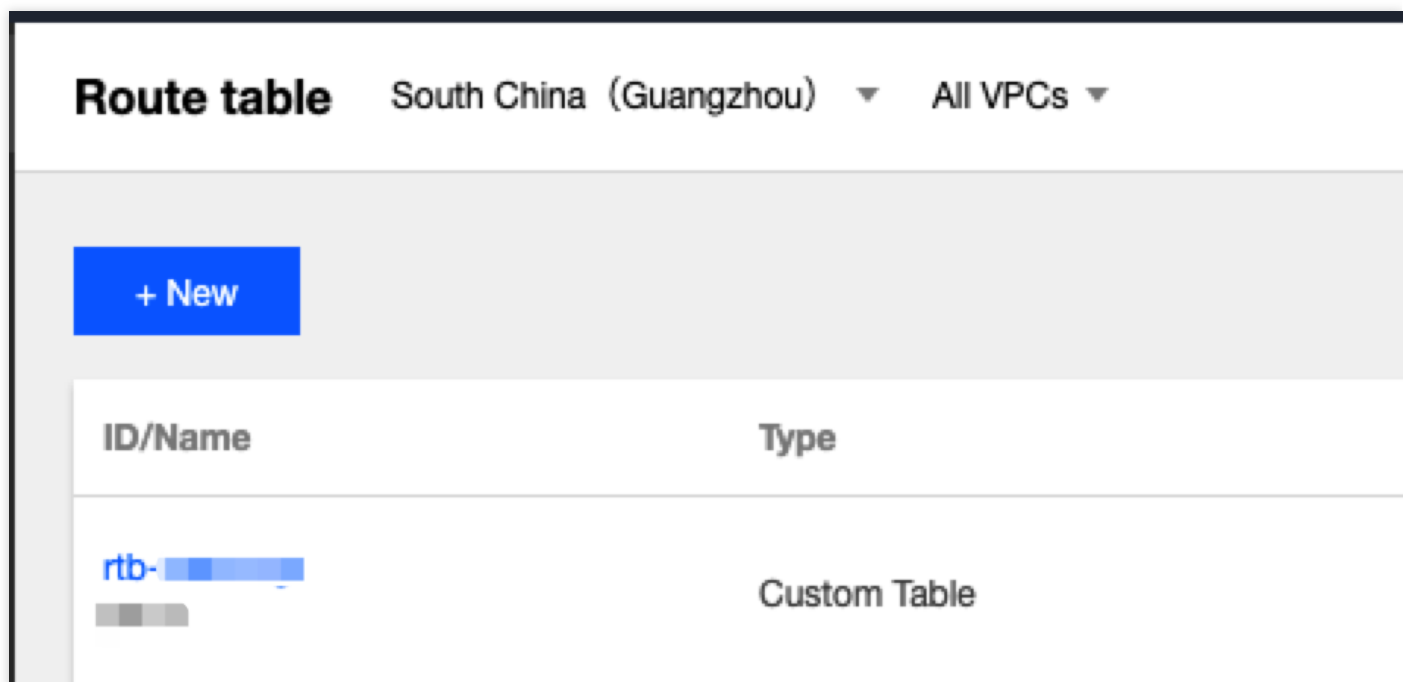
Note :

A rental fee for 1 hour will be frozen upon creation of the NAT Gateway.

Step 2. Configure the Route Table Associated with the Subnet

After the NAT Gateway is created, you need to configure routing policies to direct the subnet traffic to the NAT Gateway.

1. Log in to the [VPC console](#) and click **Route Tables** on the left sidebar.
2. Locate the route table associated with the subnet that needs to access the Internet, and click its **ID/Name** to enter the details page.



3. Click **+ New routing policies**.
4. In the pop-up window, enter the destination (the public IP range to be accessed), select **NAT Gateway** for **Next hop type**, and then select the NAT Gateway created in the previous step for

Next hop.

Destination	Next hop type	Next hop	Notes	Operation
<input type="text"/>	NAT Gateway	nat-... Create a NAT gateway	<input type="text"/>	<input type="button" value="x"/>

+ Add a line

i Routing policies controls the traffic flow in the subnet. For details, please see [Configuring Routing Policies](#).

5. Click **Create** to complete the configuration. Traffic to the public network from CVM instances in the subnet will now use the NAT Gateway.

Step 3. Enable Gateway Traffic Monitoring Details (Optional)

If **Gateway Traffic Monitoring Details** is enabled, you can view the metrics of IP traffic flowing through a NAT Gateway over the last 7 days, and set an outbound bandwidth of the specified NAT Gateway for traffic from an IP address.

1. Log in to the [VPC console](#) and click **NAT Gateway** on the left sidebar.
2. Locate the NAT Gateway for which you want to enable the gateway traffic monitoring feature, and click the **ID/Name** to enter its details page.
3. Select the **Monitoring** tab and enable **Gateway Traffic Monitoring Details* in the top-right corner. It will take 5 to 6 minutes to collect and publish data before you can view detailed monitoring

graphs.

Details of pennertest Help of NAT Gateway


Basic Information **Monitoring** Bind Elastic IP Port forwarding

Gateway traffic control details

Real Time Last 24 hours Last 7 days Select Date Data Comparison

Public bandwidth out Public bandwidth in Packets out Packets In Connection Quantity

Public bandwidth out Mbps



No data