

Elastic IP

Getting Started

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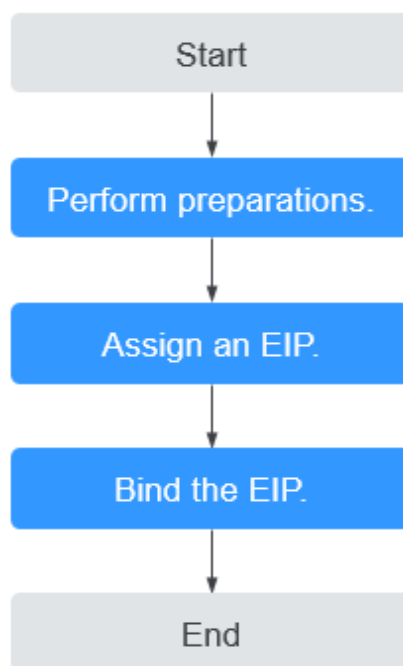
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1 Quick Start

This document describes how to assign an EIP and bind it to an ECS to allow the ECS to access the Internet.

Figure 1-1 shows the configuration procedure.

Figure 1-1 Configuration procedure



2 Assigning an EIP and Binding It to an ECS

Step 1: Preparations

Registering with HUAWEI CLOUD and Completing Real-Name Authentication

If you already have a HUAWEI CLOUD account, skip this step. To create an account, do as follows:

1. Log in at <https://www.huaweicloud.com/en-us/> and click **Register**.
2. On the displayed page, register an account as prompted. For details, see [Registering on the HUAWEI CLOUD Management Console](#).

After you have successfully registered, the system automatically redirects you to the account information page.

3. Complete real-name authentication by following the instructions in [Real-Name Authentication](#).

Topping Up Your Account

Ensure that your account has sufficient balance.

- For details about the price of EIPs, see [Pricing Details](#).
- For details about how to top up an account, see [Topping Up an Account](#).

Step 2: Assign an EIP


1. Log in to the management console.
2. Click  in the upper left corner and select the desired region and project.
3. On the console homepage, under **Network**, click **Elastic IP**.
4. On the displayed page, click **Buy EIP**.
5. Set the parameters as prompted.

Table 2-1 Parameter descriptions

| Parameter | Description | Example Value |
|--------------|--------------------------------------------|---------------|
| Billing Mode | The following billing modes are available: | Pay-per-use |

| Parameter | Description | Example Value |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| | <ul style="list-style-type: none">Yearly/MonthlyPay-per-use | |
| Region | Specifies the desired region. Regions are geographic areas that are physically isolated from each other. The networks inside different regions are not connected to each other, so resources cannot be shared across different regions. For lower network latency and faster access to your resources, select the region nearest you. | CN North-Beijing1 |
| EIP Type | <ul style="list-style-type: none">Dynamic BGP: When changes occur on a network using dynamic BGP, routing protocols provide automatic, real-time optimization of network configurations, ensuring network stability and improving user experience.Static BGP: Static BGP offers more routing control and protects against route flapping, but an optimal path cannot be selected in real time when a network connection fails. <p>For details, see What Are the Differences Between Static BGP and Dynamic BGP?</p> | Dynamic BGP |
| Billed By | This parameter is available when you set Billing Mode to Pay-per-use . <ul style="list-style-type: none">Bandwidth: You specify a maximum bandwidth and pay for the amount of time you use the bandwidth. This is suitable for scenarios with heavy or stable traffic.Traffic: You specify a maximum bandwidth and pay for the total traffic you use. This is suitable for scenarios where the traffic is light or sharply fluctuating.Shared Bandwidth: The bandwidth can be shared by multiple EIPs. This is suitable for scenarios with staggered traffic. | Bandwidth |
| Bandwidth | Specifies the bandwidth size in Mbit/s. | 100 |
| IPv6 EIP | After the IPv6 EIP function is enabled, you will obtain an extra IPv6 EIP. | Enable |

| Parameter | Description | Example Value |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| | External IPv6 addresses can access cloud resources through this IPv6 EIP. | |
| Bandwidth Name | Specifies the name of the bandwidth. | bandwidth |
| Required Duration | You must specify the required duration if Billing Mode is set to Yearly/Monthly . | 1 month |
| Quantity | Specifies the number of EIPs to be assigned. This parameter is available only when Billing Mode is set to Pay-per-use . | 1 |
| Tag | Specifies the EIP tag that consists of a key and value pair. The tag key and value must meet the requirements listed in Table 2-2. | <ul style="list-style-type: none"> • Key: Ipv4_key1 • Value: 192.168.12.10 |
| Enterprise Project | When assigning an EIP, you can add the EIP to an enabled enterprise project. An enterprise project facilitates project-level management and grouping of cloud resources and users. The name of the default project is default . For details about creating and managing enterprise projects, see the Enterprise Management User Guide . | default |

Table 2-2 EIP tag requirements

| Parameter | Requirement | Example Value |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Key | <ul style="list-style-type: none"> • Cannot be left blank. • Must be unique for each EIP. • Can contain a maximum of 36 characters. • Can contain letters, digits, underscores (_), and hyphens (-). | Ipv4_key1 |
| Value | <ul style="list-style-type: none"> • Can contain a maximum of 43 characters. • Can contain letters, digits, underscores (_), periods (.), and hyphens (-). | 192.168.12.10 |

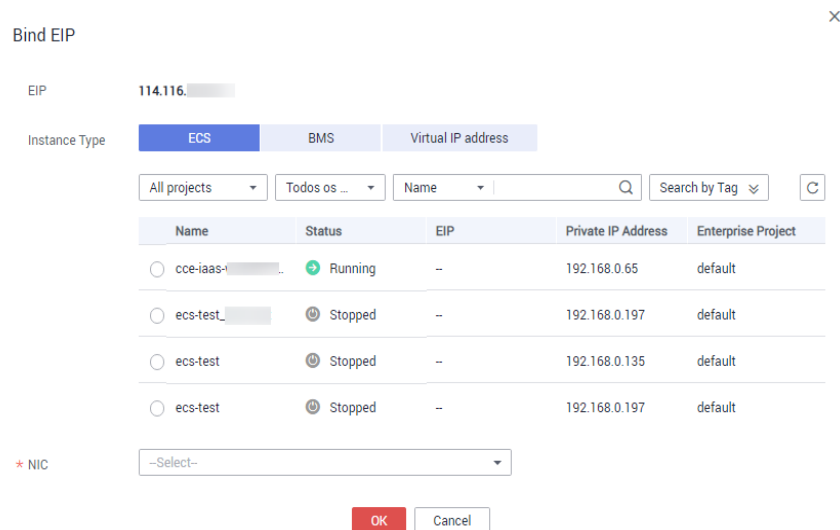
NOTE

- If you are buying an EIP billed on a pay-per-use basis and you want to use shared bandwidth, you can only select an existing shared bandwidth from the **Bandwidth Name** drop-down list. If there are no shared bandwidths to select, purchase a shared bandwidth first.
 - A dedicated bandwidth cannot be changed to a shared bandwidth and vice versa. However, you can purchase shared bandwidth for pay-per-use EIPs.
 - After an EIP is added to a shared bandwidth, the EIP will use the shared bandwidth.
 - After an EIP is removed from the shared bandwidth, the EIP will use the dedicated bandwidth.
6. Click **Buy Now**.
 7. Click **Submit**.

Step 3: Bind an EIP

1. On the **EIPs** page, locate the row that contains the EIP you want to bind, and click **Bind**.
2. Select the instance to which you want to bind the EIP.

Figure 2-1 Bind EIP



3. Click **OK**.