

**Elastic IP**

# Getting Started

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# Contents

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<b>1 Quick Start.....</b>	<b>1</b>
<b>2 Buying an EIP and Binding It to an ECS.....</b>	<b>2</b>
<b>3 Change History.....</b>	<b>6</b>

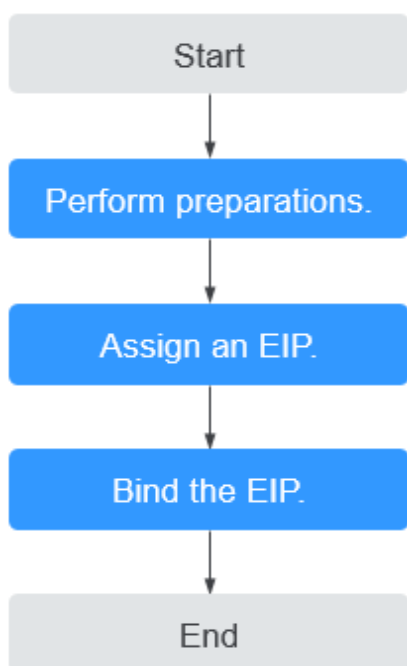
# 1 Quick Start

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.



If you want to assign or bind an EIP, see [Buying an EIP and Binding It to an ECS](#).

**Figure 1-1** Configuration procedure



# 2 Buying an EIP and Binding It to an ECS

## Step 1: Buy an EIP

1. Log in to the management console.
2. Click  in the upper left corner and select the desired region and project.
3. Click  in the upper left corner and choose **Networking** > **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: <ul style="list-style-type: none"><li>• Yearly/Monthly</li><li>• Pay-per-use</li></ul>	Pay-per-use
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. The region selected for the EIP is its geographical location.	-
EIP Type	<ul style="list-style-type: none"><li>• <b>Dynamic BGP</b>: Dynamic BGP provides automatic failover and chooses the optimal path when a network connection fails.</li></ul>	Dynamic BGP

Parameter	Description	Example Value
Billed By	<p>This parameter is available only when you set <b>Billing Mode</b> to <b>Pay-per-use</b>.</p> <ul style="list-style-type: none"><li>• <b>Bandwidth:</b> 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.</li><li>• <b>Traffic:</b> You specify a maximum bandwidth and pay for the total traffic you use. This is suitable for scenarios with light or sharply fluctuating traffic.</li><li>• <b>Shared Bandwidth:</b> The bandwidth can be shared by multiple EIPs. This is suitable for scenarios with staggered traffic.</li></ul>	Bandwidth
Bandwidth	The bandwidth size in Mbit/s.	100
DDoS Protection	Cloud Native Anti-DDoS Basic Cloud Native Anti-DDoS Basic provides up to 5 Gbit/s of DDoS mitigation capacity. If the attack to an EIP exceeds 5 Gbit/s, the EIP will be blocked.	-
EIP Name	The EIP name.	eip-test
Enterprise Project	<p>The enterprise project that the EIP belongs to.</p> <p>An enterprise project facilitates project-level management and grouping of cloud resources and users. The name of the default project is <b>default</b>.</p> <p>For details about creating and managing enterprise projects, see the <a href="#">Enterprise Management User Guide</a>.</p>	default
Advanced Settings	Click the drop-down arrow to configure parameters, including the bandwidth name and tag.	-
Bandwidth Name	The name of the bandwidth.	bandwidth

Parameter	Description	Example Value
Tag	The EIP tags. Each tag contains a key and value pair. The tag key and value must meet the requirements listed in <a href="#">Table 2-2</a> .	<ul style="list-style-type: none"> <li>• Key: ipv4_key1</li> <li>• Value: 3005eip</li> </ul>
Monitoring	Used to monitor the EIP and enabled by default. You can use the management console or APIs provided by Cloud Eye to query the metrics and alarms generated for the EIP and bandwidth.	-
Required Duration	The duration for which the purchased EIP will use. The duration must be specified if the <b>Billing Mode</b> is set to <b>Yearly/Monthly</b> .	1 month
Quantity	The number of EIPs you want to purchase. The quantity must be specified if the <b>Billing Mode</b> is set to <b>Pay-per-use</b> .	1
Quantity	The number of EIPs you want to assign.	1

**Table 2-2** EIP tag requirements

Parameter	Requirement	Example Value
Key	<ul style="list-style-type: none"> <li>• Cannot be left blank.</li> <li>• Must be unique for each EIP.</li> <li>• Can contain a maximum of 36 characters.</li> <li>• Can contain only the following character types: <ul style="list-style-type: none"> <li>- Uppercase letters</li> <li>- Lowercase letters</li> <li>- Digits</li> <li>- Special characters, including hyphens (-) and underscores (_)</li> </ul> </li> </ul>	ipv4_key1



Parameter	Requirement	Example Value
Value	<ul style="list-style-type: none"> <li>• Can contain a maximum of 43 characters.</li> <li>• Can contain only the following character types:                             <ul style="list-style-type: none"> <li>- Uppercase letters</li> <li>- Lowercase letters</li> <li>- Digits</li> <li>- Special characters, including hyphens (-) and underscores (_)</li> </ul> </li> </ul>	3005eip

 **NOTE**

- If you are buying an EIP billed on a pay-per-use basis and you want to use a 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 a 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 **Next**.
  7. Click **Submit**.

### Step 3: Bind an EIP

1. In the EIP list, locate the row that contains the EIP, and click **Bind**.
2. Select the instance.
3. Click **OK**.

 **NOTE**

To bind an instance to an EIP:

- If the instance is an ECS:
  - The ECS must be in the running or stopped status.
  - The ECS must be in the same region as that of the EIP.
  - The ECS has no fixed public IP address or any other EIP.
- If the instance is a virtual IP address:
  - The virtual IP address must be in the same region as that of the EIP.
  - The virtual IP address must be in the available or assigned status.
- If the instance is a BMS:
  - The BMS must be in the same region as that of the EIP.

# 3 Change History

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Released On	Description
2023-03-31	This issue is the second official release. Added the following content: Modified the procedure for assigning an EIP in <a href="#">Buying an EIP and Binding It to an ECS</a> .
2022-08-30	This issue is the first official release.