

Alibaba Cloud Virtual Private Cloud

Quick Start

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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.	 Danger: 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.	 Warning: 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.	 Note: 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.	 Note: You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
Bold	It is used for buttons, menus, page names, and other UI elements.	Click OK .
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

Legal disclaimer.....	I
Generic conventions.....	I
1 Create a VPC.....	1

1 Create a VPC

This tutorial illustrates how to create an ECS instance in a VPC and bind an EIP to the ECS instance, thereby the instance can access the Internet.

Step 1 Create a VPC and a VSwitch

To deploy cloud resources in a VPC, you must create at least one VSwitch. Complete these steps to create a VPC and a VSwitch:

1. Log on to the [VPC console](#).
2. Select the region of the VPC.

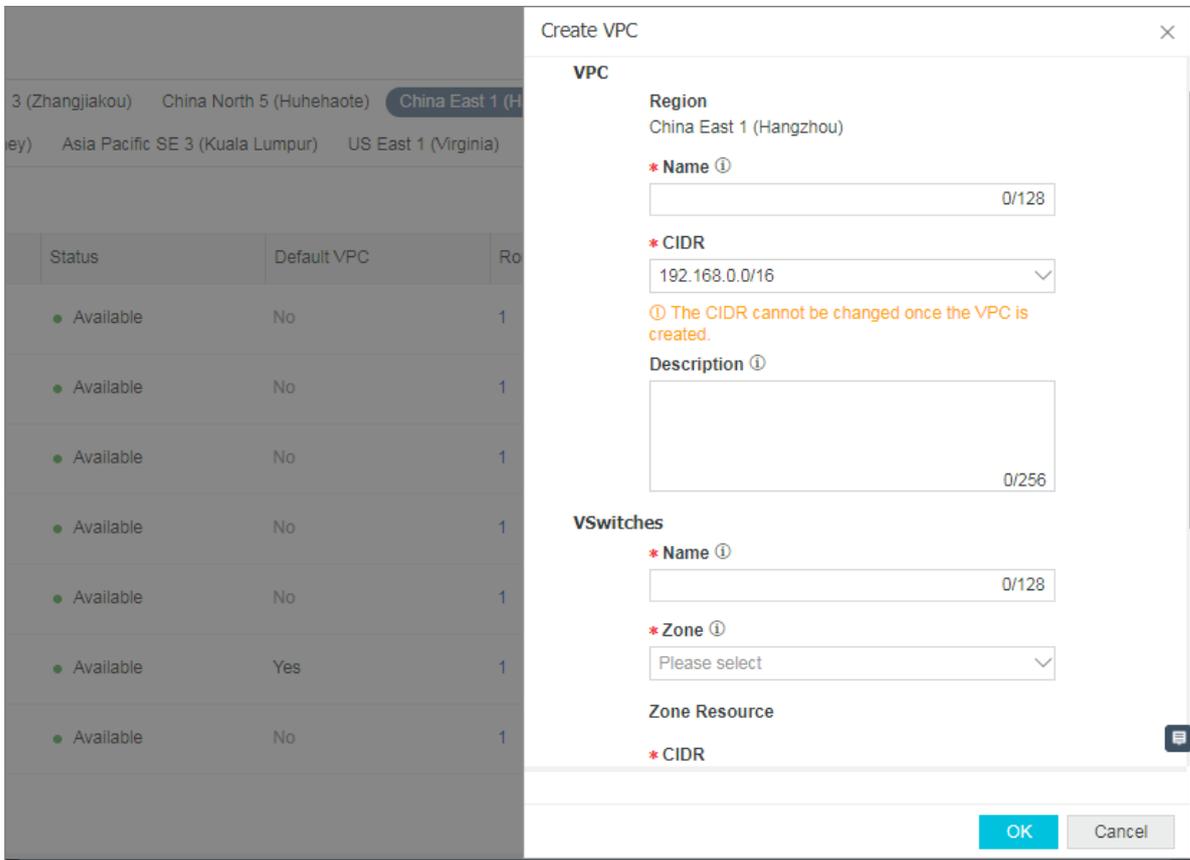
The VPC and the cloud resources to deploy must be in the same region. In this tutorial, **China North 1** is selected.

3. Click **Create VPC**, configure the VPC and the VSwitch according to the following information, and click **OK**.

Configuration	Description
VPC configurations	
Name	Enter the name of the VPC. The name can contain 2 to 128 characters. It must begin with English or Chinese characters and can contain numbers, hyphens (-) and underlines (_). In this tutorial, enter webVPC .
CIDR	Select the CIDR block of the VPC. Limitations on VPC CIDR blocks are as follows: <ul style="list-style-type: none">• You can use 192.168.0.0/16, 172.16.0.0/12, or 10.0.0.0/8, the three standard CIDR blocks and their subsets. If you want to use a subnet of a standard CIDR block as the IP address range, you must use API to create a VPC.• If you want to connect a VPC to another VPC or to a local network to build a hybrid cloud, we recommend that you use a subset of the standard CIDR blocks, and make sure that the network mask is no longer than /16.• If you only have one VPC and it does not need to communicate with your local network, you can use any of the standard CIDR blocks or their subnets.

Configuration	Description
	 Note: After the VPC is created, you cannot change its CIDR block. In this tutorial, select 172.16.0.0/12 .
VSwitch configurations	
Name	Enter the name of the VSwitch. The name can contain 2 to 128 characters. It must begin with English letters or Chinese characters and can contain numbers, hyphens, and underlines. In this tutorial, enter webVS .
Zone	Select the zone of the VSwitch. In a VPC, VSwitches in different zones can communicate with each other through the intranet. In this tutorial, select Zone B .
CIDR	Enter the CIDR block of the VSwitch. Note the following when specifying the VSwitch CIDR block: <ul style="list-style-type: none"> The CIDR block of the VSwitch can be the same as that of the VPC to which it belongs, or a subset of the VPC CIDR block. For example, if the CIDR block of the VPC is 192.168.0.0/16, the CIDR block of the VSwitch in the VPC can be 192.168.0.0/16, 192.168.0.0/17, ..., till 192.168.0.0/29. <div data-bbox="600 1328 1433 1514" style="background-color: #f0f0f0; padding: 10px; margin: 10px 0;">  Note: If the CIDR block of the VSwitch is the same as that of the VPC to which it belongs, you can only create one VSwitch in the VPC. </div> <ul style="list-style-type: none"> The size of the subnet mask for the VSwitch can be /16 to /29, and the VSwitch CIDR block can provide 8 to 65536 IP addresses. The first and last three IP addresses are reserved by the system. Take the IP address range 192.168.1.0/24 as an example, IP addresses 192.168.1.0, 192.168.1.253, 192.168.1.254, and 192.168.1.255 are reserved by the system. <ul style="list-style-type: none"> Consider the number of cloud instances to be created in the VSwitch. Up to 15000 instances can be created in a VPC. <div data-bbox="563 1989 1433 2063" style="background-color: #f0f0f0; padding: 10px; margin-top: 10px;">  Note: </div>

Configuration	Description
	After the VSwitch is created, you cannot change its CIDR block. In this tutorial, enter 172.16.1.0/12 .



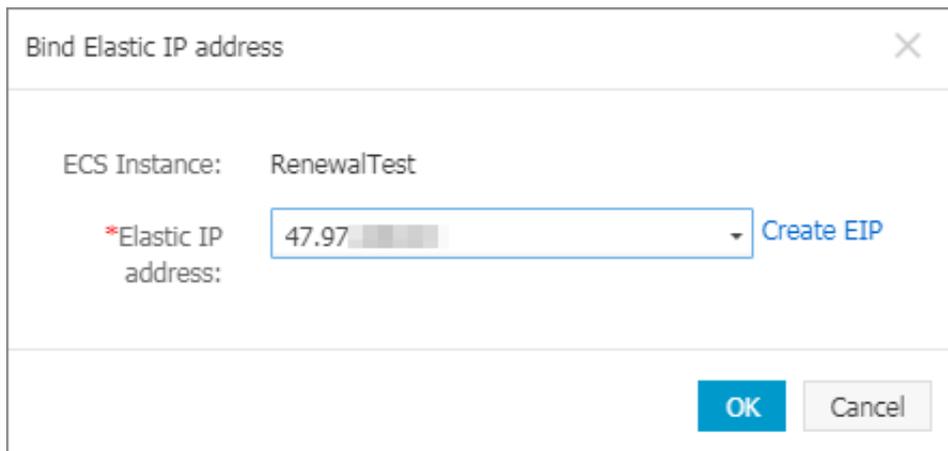
Step 2 Create an ECS instance

Complete these steps to create an ECS instance in the created VPC:

1. In the left-side navigation pane, click **VSwitches**.
2. Select the region of the VSwitch. In this tutorial, select **China North 1**.
3. Find the created VSwitch, and click **Purchase > Ecs Instance**.
4. Configure the ECS instance and click **Buy Now**.

For network configurations, the following are used in this tutorial:

- Network Type: Select the created VPC and VSwitch.
 - Public IP address: Do not allocate.
5. Return to the ECS management console to view the created ECS instance.



Bind Elastic IP address

ECS Instance: RenewalTest

*Elastic IP address: 47.97

Create EIP

OK Cancel

Step 3 Create an EIP

EIP is a public IP address resource that can be independently purchased and held. Complete these steps to create an EIP:

1. In the left-side navigation pane, click **Elastic IP addresses**.
2. Select the region of the EIP and click **Create EIP**. In this tutorial, select **China North 1**.
3. Configure the EIP, and click Buy Now.

Step 4 Bind an EIP

Complete these steps to bind EIP to the created ECS instance:

1. In the left-side navigation pane, click **Elastic IP addresses**.
2. Select the region of the EIP address.
3. Find the created EIP and click **Bind**.
4. In the displayed dialog box, select **ECS Instance** for the **Instance Type**, and select the created ECS instance.
5. Click **OK**.

Step 5 Verification

After binding an EIP, the ECS instance of the VPC network can communicate with the Internet.



Note:

Make sure the security group rules of the ECS instance allow remote access and ping.