

Alibaba Cloud Elasticsearch

FAQ

Issue: 20190326

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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.	 Notice: 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 <i>Instance_ID</i></code>
[] or [a b]	It indicates that it is an optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
<code>{}</code> or <code>{a b}</code>	It indicates that it is a required value, and only one item can be selected.	<code>swich {stand slave}</code>

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1 Classic network errors

Access to a VPC from a classic network

To ensure network security, Alibaba Cloud Elasticsearch is deployed in virtual private clouds (VPCs) of users. If your business systems are deployed in a classic network, you can use ClassicLink provided in your VPC to access Elasticsearch from the classic network.

What is ClassicLink?

ClassicLink is a network channel provided by Alibaba Cloud VPCs to allow access from a classic network.

VPC-supported segments

- A VPC on network segment 172.16.0.0/12 is accessible through ClassicLink by default.
- If the VPC is on network segment 10.0.0.0/8, the switches between ClassicLink and the ECS instance in the classic network must be on network segment 10.111.0.0/16.
- If the VPC is on network segment 192.168.0.0/16, you must submit a ticket to the ECS product line to activate the ClassicLink service. In addition, add a route from 192.168.0.0/16 to the private NIC in the classic network instance. Add the route using the official [script](#).



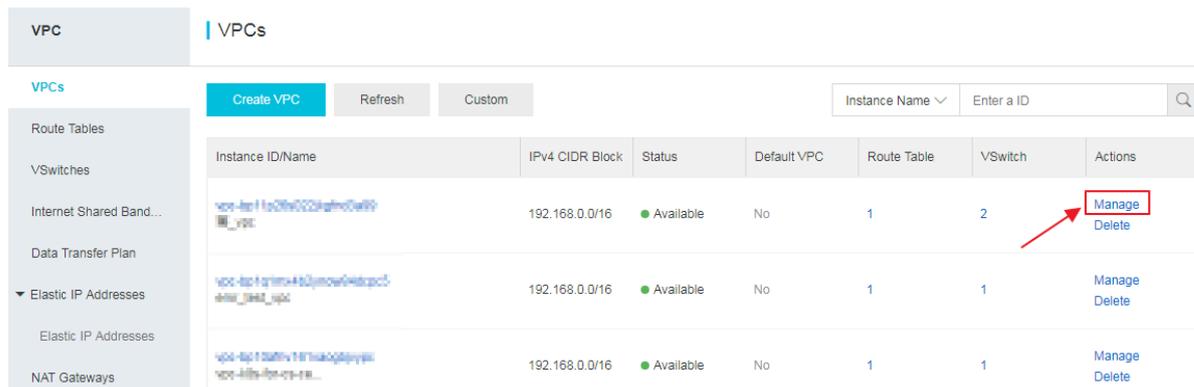
Note:

One classic network instance can be linked to only one VPC.

Create a ClassicLink connection to a VPC

1. In the VPC console, select the VPC you want to access using an ECS instance in the classic network, and enable ClassicLink for the VPC.

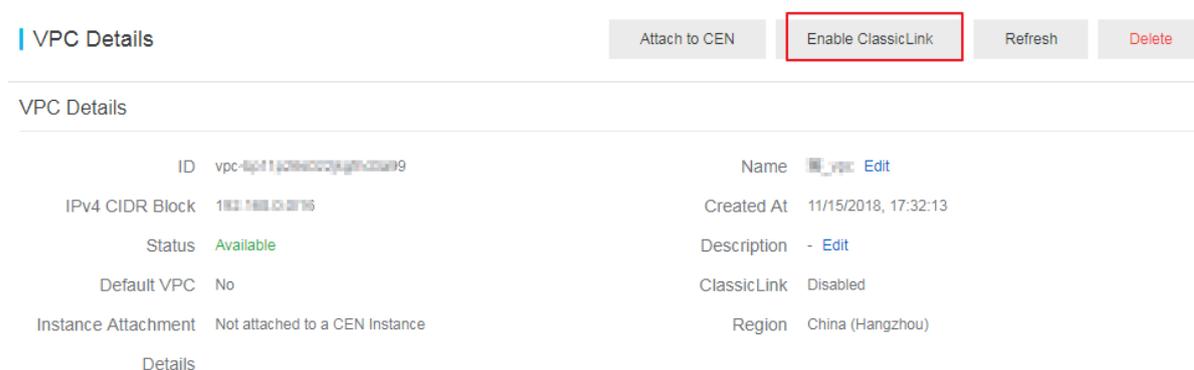
We recommend that you enable ClassicLink for a VPC on network segment 172.16.0.0/12. Select a VPC from the VPC list and click Manage to open the VPC management page.



The screenshot shows the VPC console interface. On the left, there is a navigation menu with options like Route Tables, VSwitches, and Elastic IP Addresses. The main area displays a table of VPCs. The table has columns for Instance ID/Name, IPv4 CIDR Block, Status, Default VPC, Route Table, VSwitch, and Actions. The first row is highlighted, and the 'Manage' button in the Actions column is circled in red with a red arrow pointing to it.

Instance ID/Name	IPv4 CIDR Block	Status	Default VPC	Route Table	VSwitch	Actions
vpc-1p11j0w4cc03jgfm02m19	192.168.0.0/16	Available	No	1	2	Manage Delete
vpc-1p11j0w4cc03jgfm02m19	192.168.0.0/16	Available	No	1	1	Manage Delete
vpc-1p11j0w4cc03jgfm02m19	192.168.0.0/16	Available	No	1	1	Manage Delete

2. Click Enable ClassicLink on the upper right corner of the VPC management page to enable this function for the VPC.



The screenshot shows the VPC Details page. At the top right, there are buttons for 'Attach to CEN', 'Enable ClassicLink', 'Refresh', and 'Delete'. The 'Enable ClassicLink' button is highlighted with a red box. Below the buttons, the VPC details are displayed in a key-value format.

VPC Details	
ID	vpc-1p11j0w4cc03jgfm02m19
Name	_vpc Edit
IPv4 CIDR Block	192.168.0.0/16
Created At	11/15/2018, 17:32:13
Status	Available
Description	- Edit
Default VPC	No
ClassicLink	Disabled
Instance Attachment	Not attached to a CEN Instance
Region	China (Hangzhou)

3. In the ECS console, select the region where the ClassicLink-enabled VPC is located , for example, China East 1 (Hangzhou). Select a classic network instance in this region, and you can see the option of Connect to VPC in the More drop-down link box.
4. Select the option of Connect to VPC, and then select the ClassicLink-enabled VPC in the dialog box that is displayed.
5. After you select the VPC, the VPC name displayed in the dialog box is tagged by a ClassicLink icon. If this icon is green, ClassicLink is enabled for the selected VPC.

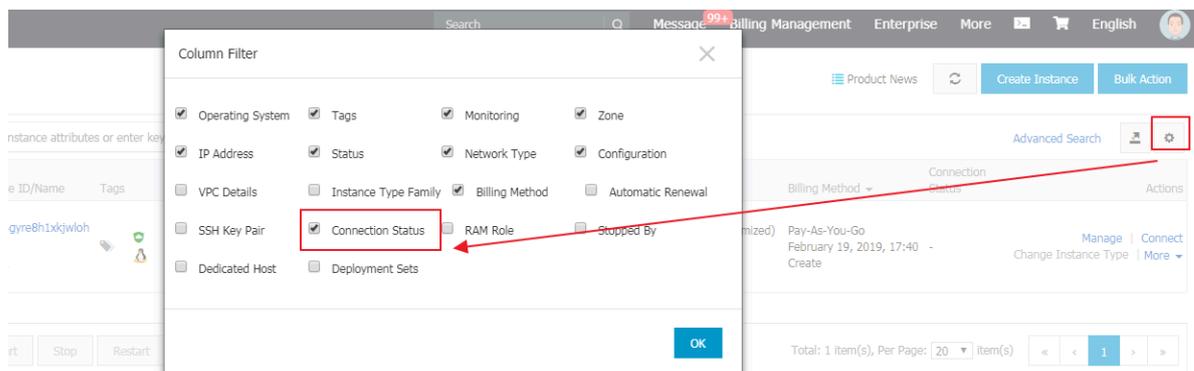
If this icon is yellow, ClassicLink is not enabled for the VPC. Click OK. A connection from the classic network instance to the VPC is created.

Click the link in the dialog box to set a ClassicLink security group rule.

6. On the security group setting page, click the button on the upper right corner to add a ClassicLink security group rule.
7. In the dialog box that is displayed, set the security group rule, which is the authorization mode used between a Classic network security group and a VPC security group. A classic network security group allows access to five VPC security groups. Three authorization modes are supported, among which bidirectional access between the classic network and VPC is recommended. Choose unidirectional or bidirectional access based on your business requirements.
8. After setting the security group rule, open the details page to check whether the setting is correct. If the security group rule is not set correctly, delete it and set a new one. If the security group is set correctly, verify the connectivity.

Verify connectivity between the classic network and VPC

1. The ECS console provides a custom item list. If the link status of the classic network instance is not displayed on the instance list on the console, select Link Status from the custom item list. Then, the link status of the classic network instance can be seen on the page.



2. Log on to the ECS instance connected through ClassicLink, and access the Alibaba Cloud Elasticsearch instance in the VPC using the curl command to verify the connectivity.

```
root@zbp13p0r4gg0x6mijjavz:~# ls
root@zbp13p0r4gg0x6mijjavz:~# curl -u elastic:[REDACTED]:[REDACTED] http://[REDACTED].elasticsearch.aliyuncs.com:9200/filebeat/_search?pretty
{
  "error" : {
    "root_cause" : [
      {
        "type" : "index_not_found_exception",
        "reason" : "no such index",
        "resource.type" : "index_or_alias",
        "resource.id" : "filebeat",
        "index_uuid" : "na",
        "index" : "filebeat"
      }
    ],
    "type" : "index_not_found_exception",
    "reason" : "no such index",
    "resource.type" : "index_or_alias",
    "resource.id" : "filebeat",
    "index_uuid" : "na",
    "index" : "filebeat"
  },
  "status" : 404
}
```

2 Kibana console password

Kibana console password

What is the password of Alibaba Cloud Elasticsearch Kibana console used for?

- The `elastic` account is the root account that gives you access to the Alibaba Cloud Elasticsearch service. This account has the maximum permissions of cluster management, so keep the root account information safe.
- If you use an API or SDK to access the Alibaba Cloud Elasticsearch instance, verify your privilege using `elastic / your_password`. If no password is set, initialize the password in the console.
- If you use the Kibana service to access the Alibaba Cloud Elasticsearch instance, verify your privilege using `elastic / your_password`. If no password is set, initialize the password in the console.

Permission management in Kibana

How to effectively manage user permissions in Elasticsearch Kibana?

- We recommend that you create users and assign roles to them using the Kibana service of your Elasticsearch instance, instead of using the `root` account directly for instance operations. To create a user, see [Kibana User Guide](#).
- We recommend that you do not use the root account `elastic` for the search service, because exposure of its password may bring security risks to your service cluster.
- Exercise caution when changing the password of the root account `elastic` if this account is used to provide the search service. After the password of the Alibaba Cloud Elasticsearch instance is reset, the search service becomes unavailable due to authorization failure.