Deploying Cisco Catalyst 8000V on Alibaba Cloud

Step 1 Log in to the Alibaba Marketplace through either Alibaba Global or Alibaba China.

Step 2 Search for the **Cisco Catalyst 8000V Edge Software - BYOL** image. Click the offer and get into the Elastic Compute Service (ECS) page.

Step 3 On the Instances page, click **Create Instance**.

Step 4 From the **Instance Details** tab, click **Connect**.

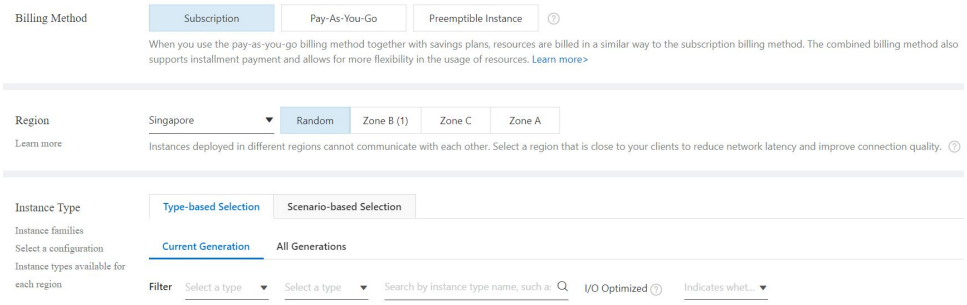
Step 5 On the Connection and Command pop-up window, provide the IP address and Password. Proceed to the Basic Configuration steps.

Step 6 Select the **Billing Method**.

Note For this deployment, Pay-As-You-Go is not supported.

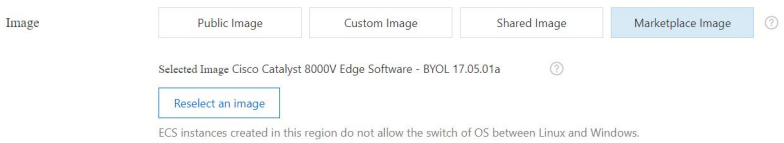
Step 7 Select the region from the **Region** drop-down list.

Step 8 From the **Instance Type** drop-down list, select one of the supported instance types. For information on the instance types, see the *Supported Instance Types* section in this guide.



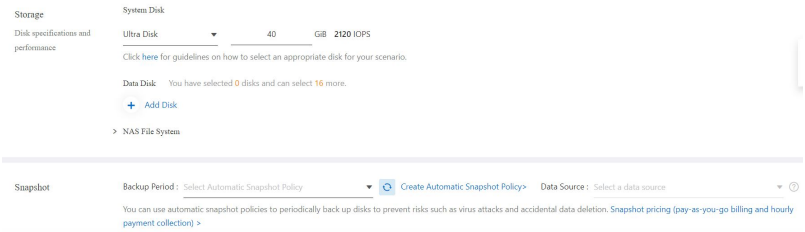
Step 9 Select the number of instances you want to create by using the **Quantity** field.

Step 10 If you did not select an image by searching, you can also use the **Marketplace Image** tab to search and select your image here. This step is optional.



Step 11 Provide your disk specifications in the **Storage** field.

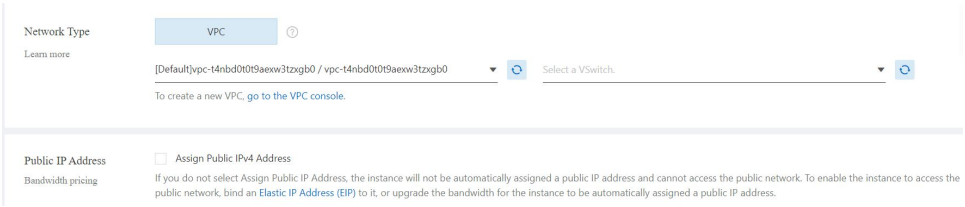
Step 12 If you want to create a snapshot to periodically create a backup for your disc, select a **Backup Period** from the **Snapshot** field. You can either choose the default value that creates a backup every day, or create your own backup rule by using the **Create Automatic Snapshot Policy** option in this field.



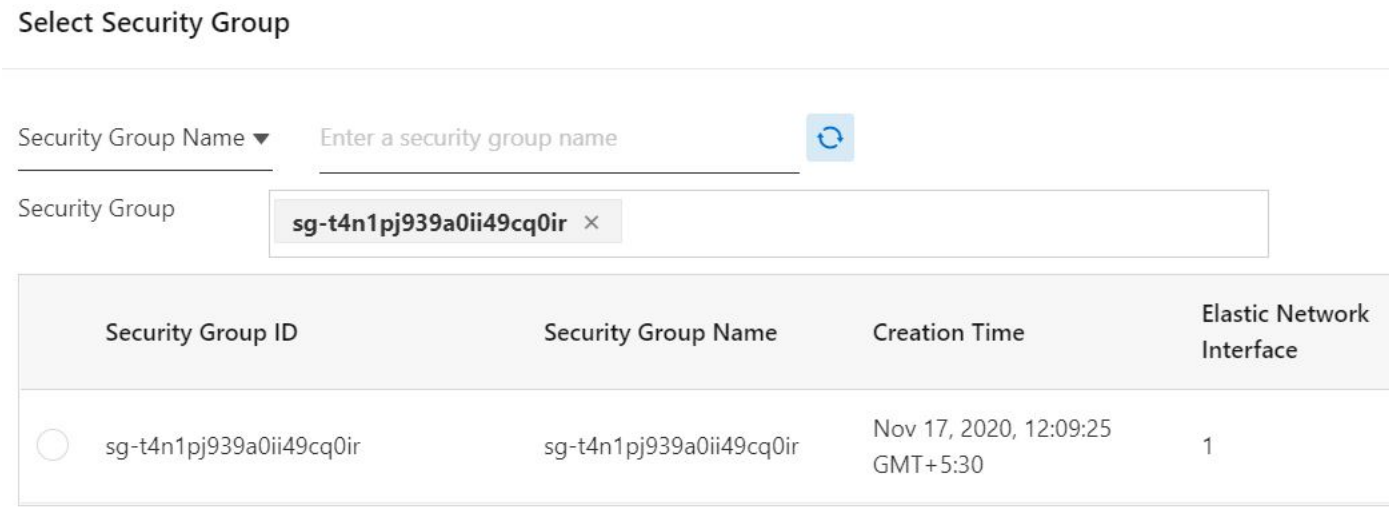
Step 13 Click **Next** to proceed to the **Networking** section.

Step 14 From the **Networking** page, choose the **Network Type**.

Step 15 From the **Public IP Address** field, select the **Assign Public IPv4 Address** checkbox. When you do so, the system automatically allocates an IP address.



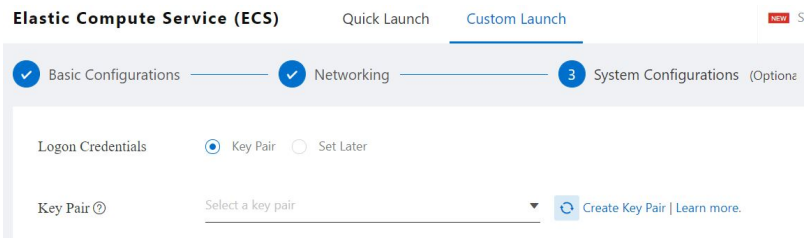
Step 16 From the **Security Group** field, click **Select Security Group**. The system displays a pop-up window. Select the appropriate Security Group from this window.



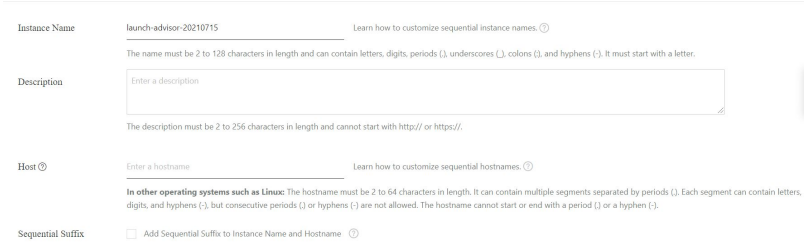
Step 17 From the **Elastic Network Interface** field, select the **Default ENI**.

Step 18 Click **Next** to proceed to System Configurations.

Step 19 On the **System Configuration** page, in the **Login Credentials** field, select the **Key Pair** option.



Step 20 In the **Instance Name** field, specify a name for your instance.



Step 21 (Optional) In the **User Data** field, specify the day0 configuration details.

Here is a sample day0 configuration for Cisco Catalyst 8000V:

```
#cloud-config
vinitparam:
otp : a1fbadd53b8548f09ae95ffa63580757
vbond : 173.39.145.83
uuid : C8K-3a351b20-66da-47bf-abdf-95c77e771931
org : vIPtela Inc Regression
Content-Type: multipart/mixed; boundary="===============3067523750048488884=="
MIME-Version: 1.0
----------------3067523750048488884==
Content-Type: text/cloud-config; charset="us-ascii"
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Disposition: attachment; filename="cloud-config"

#cloud-config
vinitparam:
otp : a1fbadd53b8548f09ae95ffa63580757
vbond : 173.39.145.83
uuid : C8K-3a351b20-66da-47bf-abdf-95c77e771931
org : vIPtela Inc Regression
rcc : true
ca-certs:
remove-defaults: false
trusted:
|
-----BEGIN CERTIFICATE-----
MIIE0DCCA7igAwIBAgIJALe4KhOqMgJfMA0GCSqGSIb3DQEBCwUAMIGgMQswCQYD
VQQGEwJVUzETMBEGA1UECBMKQ2FsaWZvcm5pYTERMA8GA1UEBxMIU2FuIEpvc2Ux
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```

```
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-----END CERTIFICATE-----

--================3067523750048488884==
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MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Disposition: attachment;
filename="config-C8K-3a351b20-66da-47bf-abdf-95c77e771931.txt"

#cloud-boothook
system
ztp-status            success
pseudo-confirm-commit 300
personality           vedge
device-model          vedge-C8000V
chassis-number        C8K-3a351b20-66da-47bf-abdf-95c77e771931
host-name             cedge1
system-ip             1.1.1.5
overlay-id            1
site-id               175
no port-offset
control-session-pps   300
admin-tech-on-failure
sp-organization-name  "vIPtela Inc Regression"
organization-name     "vIPtela Inc Regression"
vbond 173.39.145.83 port 12346

sdwan
interface GigabitEthernet1
tunnel-interface
encapsulation ipsec weight 1
color default
allow-service all
hostname cedge1
username admin privilege 15 secret Login_999!

interface GigabitEthernet1
no shutdown
arp timeout 1200
ip address dhcp client-id GigabitEthernet1
no ip redirects
ip dhcp client default-router distance 1
ip mtu    1500
load-interval 30
mtu           1500
negotiation auto
exit
interface Tunnel1
no shutdown
```

```
ip unnumbered GigabitEthernet1
no ip redirects
ipv6 unnumbered GigabitEthernet1
no ipv6 redirects
tunnel source GigabitEthernet1
tunnel mode sdwan
exit
line vty 0 4
login authentication default
transport input ssh
!
line vty 5 80
transport input ssh
!
-----------------3067523750048488884==--
```

Step 22 Click **Preview**. Preview all the settings and configurations for the instance that you are creating. If your settings are fine, accept the terms of service by clicking the **ECS Terms of Service** checkbox.

Step 23 Click **Create Order**.

After the instance is created, the system displays a pop-up window that has a Created message along with the instance ID.

What to do next

- To manage your instance, click **Console** in the dashboard.
- To create more instances, click **Back**.