



# 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.

Billing Method

Subscription Pay-As-You-Go Preemptible Instance ⓘ

When you use the pay-as-you-go billing method together with savings plans, resources are billed in a similar way to the subscription billing method. The combined billing method also supports installment payment and allows for more flexibility in the usage of resources. [Learn more>](#)

Region

Singapore Random Zone B (1) Zone C Zone A

Learn more

Instances deployed in different regions cannot communicate with each other. Select a region that is close to your clients to reduce network latency and improve connection quality. ⓘ

Instance Type

Type-based Selection Scenario-based Selection

Instance families

Select a configuration

Current Generation All Generations

Instance types available for each region

Filter Select a type Select a type Search by instance type name, such as Q I/O Optimized ⓘ Indicates whet... ⓘ

- 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.

Image

Public Image Custom Image Shared Image Marketplace Image ⓘ

Selected Image Cisco Catalyst 8000V Edge Software - BYOL 17.05.01a ⓘ

Reselect an image

ECS instances created in this region do not allow the switch of OS between Linux and Windows.

**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.

### Select Security Group

Security Group Name ▼ Enter a security group name

Security Group

sg-t4n1pj939a0ii49cq0ir ×

Security Group ID	Security Group Name	Creation Time	Elastic Network Interface
<input type="radio"/> sg-t4n1pj939a0ii49cq0ir	sg-t4n1pj939a0ii49cq0ir	Nov 17, 2020, 12:09:25 GMT+5:30	1

**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.

**Elastic Compute Service (ECS)** Quick Launch Custom Launch NEW 5

Basic Configurations  Networking  System Configurations (Options)

Logon Credentials  Key Pair  Set Later

Key Pair  [Create Key Pair | Learn more.](#)

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

Instance Name  [Learn how to customize sequential instance names.](#)

The name must be 2 to 128 characters in length and can contain letters, digits, periods (.), underscores (\_), colons (:), and hyphens (-). It must start with a letter.

Description

The description must be 2 to 256 characters in length and cannot start with http:// or https://.

Host  [Learn how to customize sequential hostnames.](#)

In other operating systems such as Linux: The hostname must be 2 to 64 characters in length. It can contain multiple segments separated by periods (.). Each segment can contain letters, digits, and hyphens (-), but consecutive periods (.) or hyphens (-) are not allowed. The hostname cannot start or end with a period (.) or a hyphen (-).

Sequential Suffix  Add Sequential Suffix to Instance Name and Hostname [?](#)

**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 : alfbadd53b8548f09ae95ffa63580757
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 : alfbadd53b8548f09ae95ffa63580757
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
VQQGEwJVUzETMBEGA1UECBMKQ2FsaWZvcmlpYTERMA8GA1UEBxMIU2FuIEpvc2Ux
FTATBgNVBAsTDHJlZDZHUHRlbGEgVGVzdDEUMBIGA1UEChMLdk1QdGVsYSBjbmMxIjAg
BgkqhkiG9w0BCQEWI3NhbnRvc2hAdmlwdGVsYS5jb20xGDAwBGNVBAWMD3ZpcHRl
bGEudGVzdGJlZDAAeFw0yMDA5MTMxMzUzMzBaFw0yMDA5MTMxMzUzMzBaMIGgMQsw
CQYDVQQGEwJVUzETMBEGA1UECBMKQ2FsaWZvcmlpYTERMA8GA1UEBxMIU2FuIEpvc
2UxFTATBgNVBAsTDHJlZDZHUHRlbGEgVGVzdDEUMBIGA1UEChMLdk1QdGVsYSBjbmMx
IjAgBgkqhkiG9w0BCQEWI3NhbnRvc2hAdmlwdGVsYS5jb20xGDAwBGNVBAWMD3Zpc
cHRlbnGEudGVzdGJlZDCCASIdWQyJKoZIHvcNAQEBBQADggEPADCCAQoCggEBAM+C
ex0Yf8NI0AGG8On8uvkqBhJcW1aUluCueGECx0JC8SREaTLqRQ3UbYFT2odoKb5e
Li0P7iYufPRKk+AV4BK4vnooDG3MCInGCCTbc0bTc/8NekpNiS9g/A6eqk1Oz
```

```
xco8XrASRGZpAScZogi41p9HzrUMfDOQI2ymFsKijOIANYopDn0TaQ1HIDzJpB5e
IJhBdSVzWzFNE00MFRjno1AK1B/4aHT8gbCqdIGTlc7+SbgIBOqrUQVYuiD4pDS+
d/2AtGafjzp/gLqwssx9x8b9UzFaplaIvxYwwdV1blowGtpuwU9uyQXgvD8dGf/z
i/8EXKFvDn9WyMPfEIkcAwEAaOCAQkwgEFMAwGA1UdEwQFMAMBAf8wHQYDVR0O
BBYEFLmp/bdRt+40G1Tk3DcA1k5z1OC9MIHVbGnVHSMegc0wgccqAFLmp/bdRt+40
G1Tk3DcA1k5z1OC9oYgmpIGjMIGGMSwCQYDVQQGEwJVUzETMBEGA1UECBMKQ2Fs
aWZvcms5pYTERMA8GA1UEBxMIU2FuIEpvc2UxFTATBgNVBAsTDHJZJUHRlbGEGVGVz
dDEUMBIGA1UEChMLdklQdGVsYSBjbmMxIjAgBgkqhkiG9w0BCQEW3NhbRvc2ha
dmlwdGVsYS5jb20xGDAWBgNVBAMTD3ZpcHRlbGEudGVzdGJlZlIJAle4KhOqMgJf
MA0GCSqGSIb3DQEBCwUAA4IBAQMMDTswGypg4ZKLmvN0zNmT+mD0GAnK4wtOtTET
UMirOfBp9JAKDDzBU3U5q8Vj3WBgSsTvaUpTR9qdsd6OSrZEbo/FQ1DRkwRcWrf/
vizLi3NYKcP1WDLotGALeXBSU8qxALWY8+09LhvrItamb+qpf/r6w+/WbrgonJ4B
poeVlb3CRBMwa/nCmsB9YbYc3l4jXIZUyRjti3Wtv1J/e/xI39Ou1TKC+ictCVlp
5TPuqkZBIL4HS040wTyPKN/1JLLGPF6KF20k15FdZv06dNI68JzKruYqla4c+Lvg
TOULTjJyKkiqb/u6p1+nrGAPUaihWHhG4qKcAaLJl1XhHb1W
-----END CERTIFICATE-----
```

```
-----3067523750048488884==
Content-Type: text/cloud-boothook; charset="us-ascii"
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.

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#### What to do next

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

