FortiAnalyzer - AliCloud Cookbook

Version 6.4

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April 09, 2020
FortiAnalyzer 6.4 AliCloud Cookbook
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About FortiAnalyzer for AliCloud

FortiAnalyzer securely aggregates log data from physical and virtual Fortinet devices and other syslog-compatible devices. Using a comprehensive suite of easily-customized reports, you can filter and review records, including traffic, event, virus, attack, web content, and email data, mining the data to determine your security stance and assure regulatory compliance. FortiAnalyzer is one of several versatile Fortinet management products that provide diverse deployment types, growth flexibility, advanced customization through APIs, and simple licensing.

Highlights of FortiAnalyzer for AliCloud include the following:

- Predefined and customized charts help monitor, maintain, and identify attack patterns, acceptable use policies, and demonstrate policy compliance
- Scalable architecture allows the device to run in collector or analyzer modes for optimized log processing
- Advanced features such as event correlation, forensic analysis, and vulnerability assessment provide essential tools for in-depth protection of complex networks

Instance type support

You can deploy FortiAnalyzer for AliCloud as VM instances. Supported machine types may change without notice.

Region support

FortiAnalyzer-VM is available for purchase in all the regions/datacenters that the AliCloud global marketplace covers. Available regions are:

- Hong Kong
- Asia Pacific SE 1 (Singapore)
- US East 1 (Virginia)
- Asia Pacific NE 1 (Tokyo)
- US West 1 (Silicon Valley)
- EU Central 1 (Frankfurt)
- Middle East 1 (Dubai)
- Asia Pacific SE 2 (Sydney)
- Asia Pacific SE 3 (Kuala Lumpur)
- Asia Pacific SOU 1 (Mumbai)
- Asia Pacific SE 5 (Jakarta)
- North China 1
- North China 2
- China North 3 (Zhangjiakou)
- China North 5 (Huhehaote)
- East China 1

- East China 2
- South China 1

Models

FortiAnalyzer-VM is licensed based on the number of managed devices, amount of logging per day, and storage capacity. Refer to price lists and order SKUs available through your resellers/distributors. These are also referred to as bring your own license (BYOL) models.

You can deploy FortiAnalyzer-VM using different CPU and RAM sizes and launch instances on various private and public cloud platforms.

Licensing

You must have a license to deploy FortiAnalyzer for AliCloud.

Creating a support account

To make use of Fortinet technical support and ensure products function properly, you must complete certain steps to activate your entitlement. The Fortinet support team can identify your registration in the system thereafter.

First, if you do not have a Fortinet account, you can create one.

To create a support account:

1. Deploy and boot up the FortiAnalyzer-VM instance, and log in to the FortiAnalyzer GUI management console.
2. On the Dashboard, copy the VM serial number.
3. Go to Fortinet Service & Support and create a new account or log in with an existing account.
4. Go to *Asset* > *Register/Activate* to start the registration process.
5. In the *Specify Registration Code* field, enter the serial number, and select *Next* to continue registering the product. Enter your details in the other fields.
6. After completing registration, contact Fortinet Customer Support and provide the serial number for your FortiAnalyzer instance and the email address associated with your Fortinet account.

Registering and downloading licenses

After you purchase a license or obtain an evaluation license (60-day term), you will receive a PDF with an activation code.

To register and download the license:

1. Go to Fortinet Service & Support and create a new account or log in with an existing account.
2. Go to *Asset* > *Register/Activate* to start the registration process. In the *Specify Registration Code field*, enter your license activation code and select *Next* to continue registering the product. Enter your details in the other fields.
3. At the end of the registration process, download the license (.lic) file to your computer. You will upload this license later to activate the FortiAnalyzer-VM.
   After registering a license, Fortinet servers may take up to 30 minutes to fully recognize the new license. When you upload the license (.lic) file to activate the FortiAnalyzer-VM, if you get an error that the license is invalid, wait 30 minutes and try again.

Deploying FortiAnalyzer on AliCloud

Obtaining the deployment image

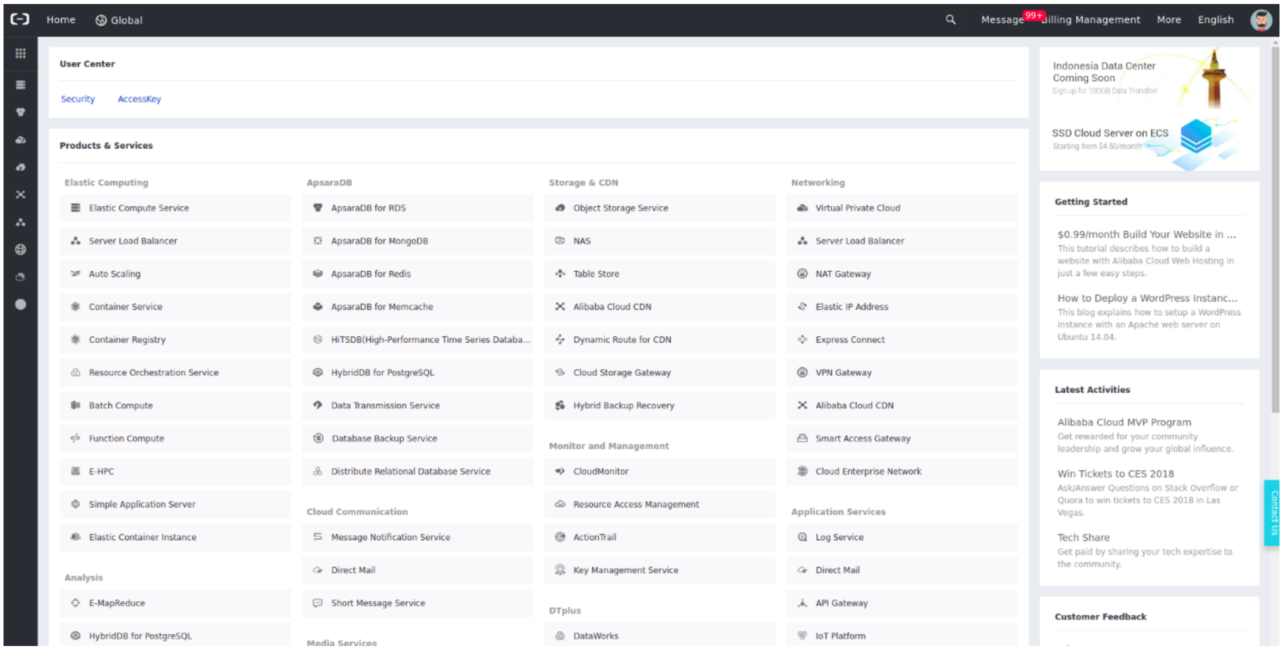
To obtain the deployment image:

1. Go to the Fortinet support site and log in.
2. Go to *Download* > *VM Images*.
3. Under *Select Product*, select FortiAnalyzer.
4. Under *Select Platform*, select *AliCloud*.
5. Download the deployment package file.

Uploading the FortiAnalyzer installer to AliCloud

To upload the FortiAnalyzer installer to AliCloud:

1. Log in to Alibaba Cloud.
2. Go to *Console* > *Object Storage Service*.



Indonesia Data Center Coming Soon
Sign up for 100GB Data Transfer!

SSD Cloud Server on ECS
Starting from $4.50/month

Getting Started

$0.99/month Build Your Website in ...
This tutorial describes how to build a website with Alibaba Cloud Web Hosting in just a few easy steps.

How to Deploy a WordPress Instanc...
This blog explains how to setup a WordPress instance with an Apache web server on Ubuntu 14.04.

Latest Activities

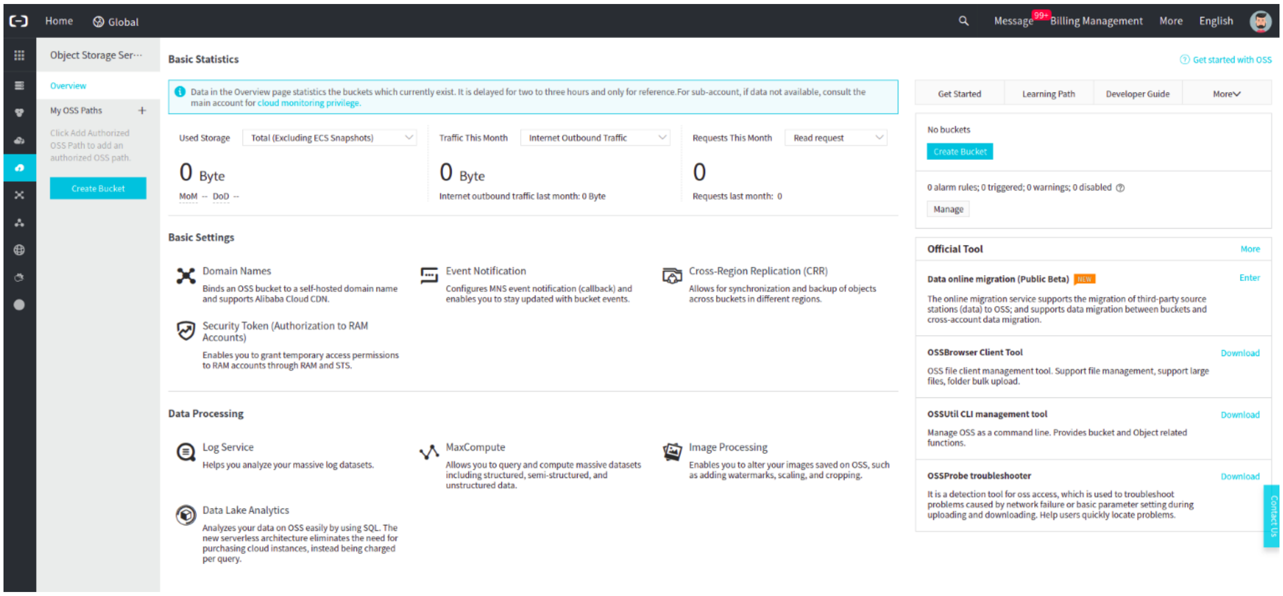
Alibaba Cloud MVP Program
Get rewarded for your community leadership and grow your global influence.

Win Tickets to CES 2018
Ask/Answer Questions on Stack Overflow or Quora to win tickets to CES 2018 in Las Vegas.

Tech Share
Get paid by sharing your tech expertise to the community.

Customer Feedback

3. Click *Create Bucket.*



Click Add Authorized OSS Path to add an authorized OSS path.

Basic Statistics

Data in the Overview page statistics the buckets which currently exist. It is delayed for two to three hours and only for reference.For sub-account, if data not available, consult the main account for cloud monitoring privilege.

Used Storage: Total (Excluding ECS Snapshots)
0 Byte
MoM -- DoD --

Traffic This Month: Internet Outbound Traffic
0 Byte
Internet outbound traffic last month: 0 Byte

Requests This Month: Read request
0
Requests last month: 0

Basic Settings

Domain Names
Binds an OSS bucket to a self-hosted domain name and supports Alibaba Cloud CDN.

Event Notification
Configures MNS event notification (callback) and enables you to stay updated with bucket events.

Cross-Region Replication (CRR)
Allows for synchronization and backup of objects across buckets in different regions.

Security Token (Authorization to RAM Accounts)
Enables you to grant temporary access permissions to RAM accounts through RAM and STS.

Data Processing

Log Service
Helps you analyze your massive log datasets.

MaxCompute
Allows you to query and compute massive datasets including structured, semi-structured, and unstructured data.

Image Processing
Enables you to alter your images saved on OSS, such as adding watermarks, scaling, and cropping.

Data Lake Analytics
Analyzes your data on OSS easily by using SQL. The new serverless architecture eliminates the need for purchasing cloud instances, instead being charged per query.

No buckets

0 alarm rules; 0 triggered; 0 warnings; 0 disabled

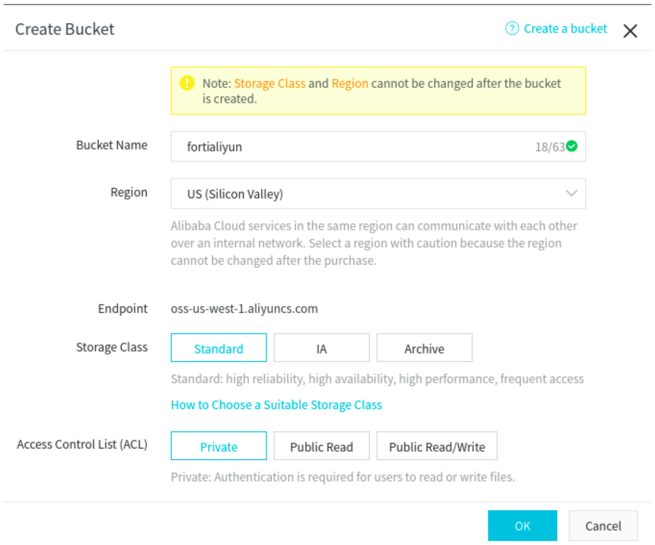
Data online migration (Public Beta)
The online migration service supports the migration of third-party source stations (data) to OSS; and supports data migration between buckets and cross-account data migration.

OSSBrowser Client Tool
OSS file client management tool. Support file management, support large files, folder bulk upload.

OSSUtil CLI management tool
Manage OSS as a command line. Provides bucket and Object related functions.

OSSProbe troubleshooter
It is a detection tool for oss access, which is used to troubleshoot problems caused by network failure or basic parameter setting during uploading and downloading. Help users quickly locate problems.

4. Configure the settings for the bucket and click *OK*.



Create Bucket

Note: Storage Class and Region cannot be changed after the bucket is created.

Bucket Name: fortialiyun 18/63

Region: US (Silicon Valley)

Alibaba Cloud services in the same region can communicate with each other over an internal network. Select a region with caution because the region cannot be changed after the purchase.

Endpoint: oss-us-west-1.aliyuncs.com

Storage Class: [✓ Standard] IA Archive

Standard: high reliability, high availability, high performance, frequent access

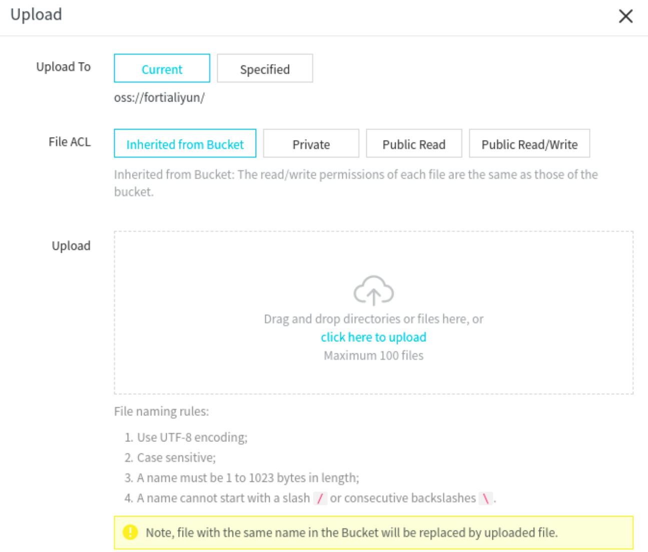
How to Choose a Suitable Storage Class

Access Control List (ACL): [✓ Private] Public Read Public Read/Write

Private: Authentication is required for users to read or write files.

5. Click the newly created bucket.
6. Click *Files*.
7. Click *Upload*.

8. Drag and drop the VM file to the bucket.



Upload

Upload To: Current | Specified

oss://fortialiyun/

File ACL: Inherited from Bucket | Private | Public Read | Public Read/Write

Inherited from Bucket: The read/write permissions of each file are the same as those of the bucket.

Upload

Drag and drop directories or files here, or click here to upload

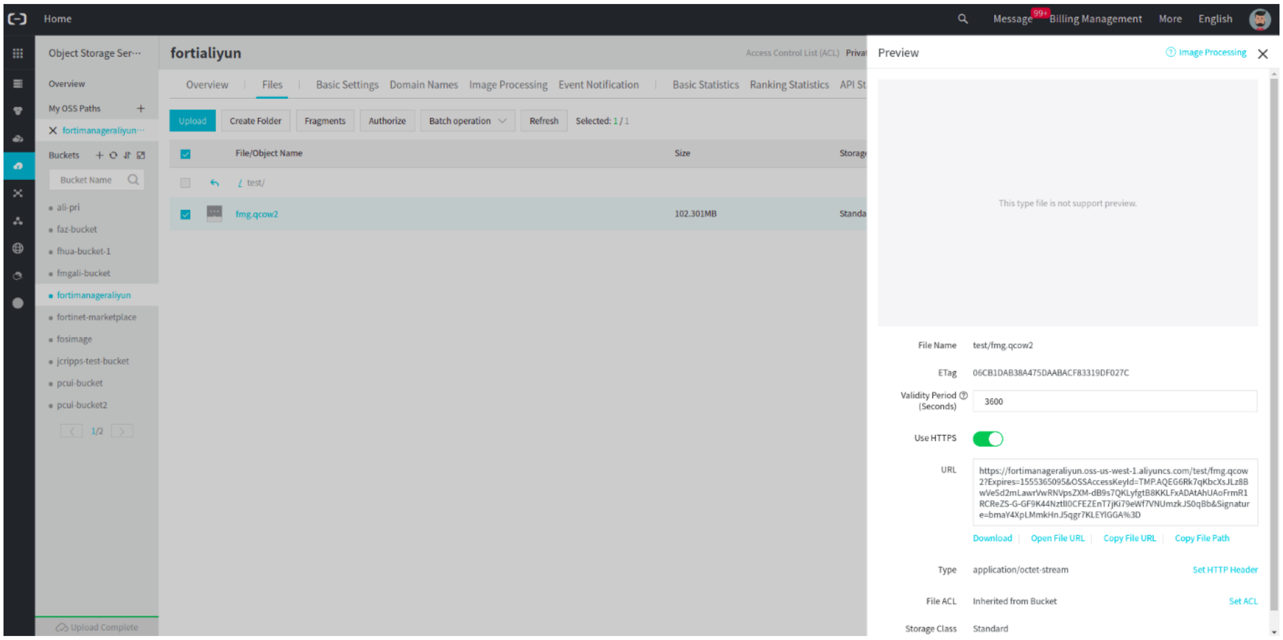
Maximum 100 files

File naming rules:

1. Use UTF-8 encoding;
2. Case sensitive;
3. A name must be 1 to 1023 bytes in length;
4. A name cannot start with a slash / or consecutive backslashes \ .

Note, file with the same name in the Bucket will be replaced by uploaded file.

9. Click the uploaded file and copy the URL.



Selected: 1 / 1

☑	File/Object Name	Size	Storag
□	/ test/		
☑	fmg.qcow2	102.301MB	Standa

File Name: test/fmg.qcow2

ETag: 06CB1DAB38A475DAABACF83319DF027C

Validity Period (Seconds): 3600

Use HTTPS: ●

URL: https://fortimanageraliyun.oss-us-west-1.aliyuncs.com/test/fmg.qcow2?Expires=1555365095&OSSAccessKeyId=TMP.AQEG6Rk7qKbcXsJLz8BwVeSd2mLawrVwRNVpsZXM-dB9s7QKLyfgtB8KKLFxADAtAhUAoFrmR1RCReZS-G-GF9K44NztlI0CFEZEnT7jKi79eWf7VNUmzkJS0qBb&Signature=bmaY4XpLMmkHnJ5qgr7KLEYlGGA%3D

Type: application/octet-stream

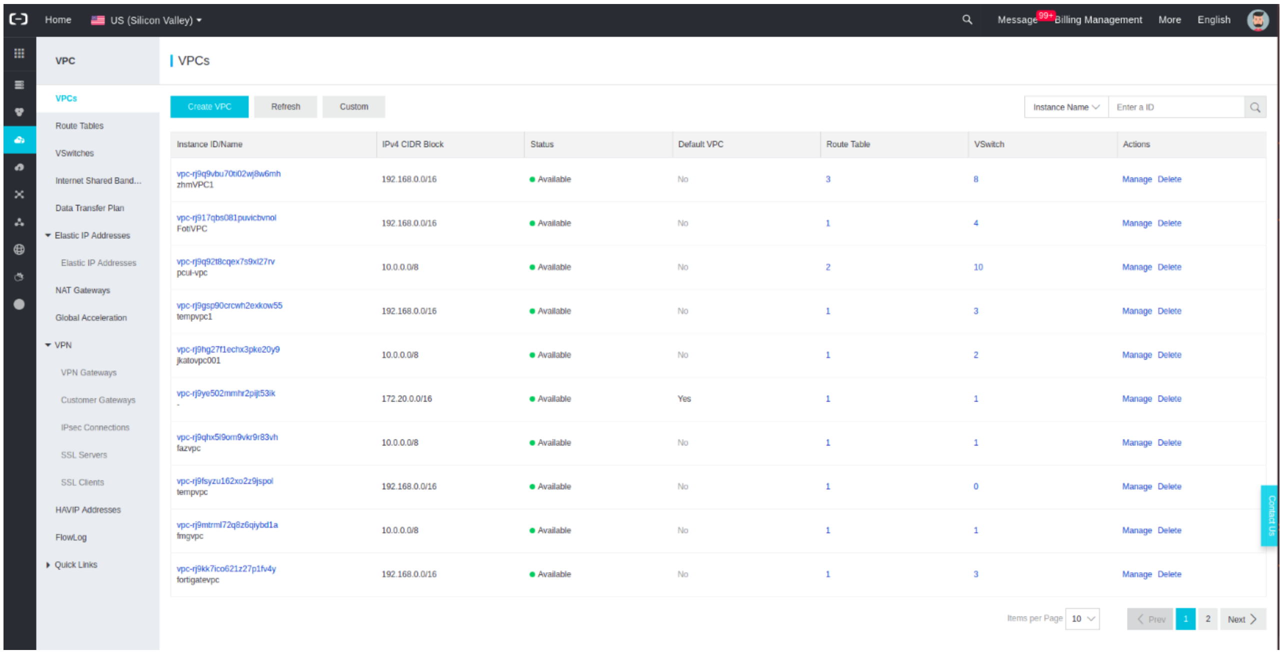
File ACL: Inherited from Bucket

Storage Class: Standard

Configuring a virtual private cloud

To configure a virtual private cloud:

1. Go to *VPCs*. Click *Create VPC*.

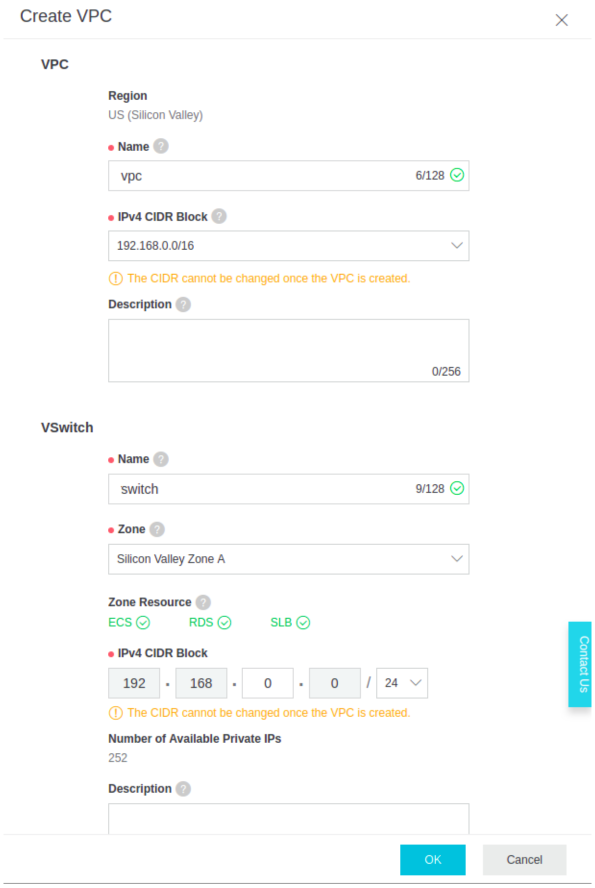


VPCs

Instance ID/Name	IPv4 CIDR Block	Status	Default VPC	Route Table	VSwitch	Actions
vpc-rj9q9vbu70ti02wj8w6mh zhmVPC1	192.168.0.0/16	● Available	No	3	8	Manage Delete
vpc-rj917qbs081puvicbvnol FotiVPC	192.168.0.0/16	● Available	No	1	4	Manage Delete
vpc-rj9q92t8cqex7s9xl27rv pcui-vpc	10.0.0.0/8	● Available	No	2	10	Manage Delete
vpc-rj9gsp90crcwh2exkow55 tempvpc1	192.168.0.0/16	● Available	No	1	3	Manage Delete
vpc-rj9hg27f1echx3pke20y9 jkatovpc001	10.0.0.0/8	● Available	No	1	2	Manage Delete
vpc-rj9ye502mmhr2pijt53ik -	172.20.0.0/16	● Available	Yes	1	1	Manage Delete
vpc-rj9qhx5l9om9vkr9r83vh fazvpc	10.0.0.0/8	● Available	No	1	1	Manage Delete
vpc-rj9fsyzu162xo2z9jspol tempvpc	192.168.0.0/16	● Available	No	1	0	Manage Delete
vpc-rj9mtrml72q8z6qiybd1a fmgvpc	10.0.0.0/8	● Available	No	1	1	Manage Delete
vpc-rj9kk7ico621z27p1fv4y fortigatevpc	192.168.0.0/16	● Available	No	1	3	Manage Delete

Items per Page 10 < Prev 1 2 Next >

2. Enter a name for the virtual private cloud (VPC). Configure the settings as required and click *OK*.



Create VPC

VPC

Region
US (Silicon Valley)

Name
vpc 6/128

IPv4 CIDR Block
192.168.0.0/16

The CIDR cannot be changed once the VPC is created.

Description
0/256

VSwitch

Name
switch 9/128

Zone
Silicon Valley Zone A

Zone Resource
ECS RDS SLB

IPv4 CIDR Block
192 . 168 . 0 . 0 / 24

The CIDR cannot be changed once the VPC is created.

Number of Available Private IPs
252

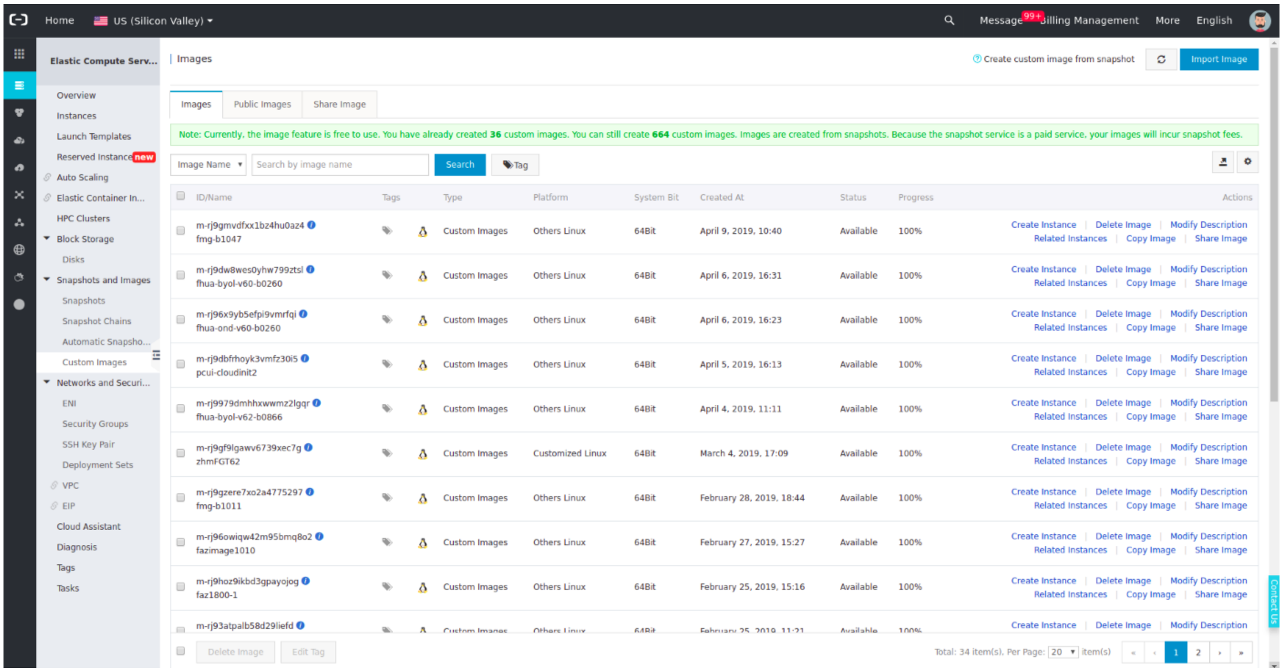
Description

Creating the FortiAnalyzer deployment image

The following procedure applies only if you are uploading a custom image. To deploy FortiAnalyzer from the Marketplace directly, go to Creating an instance on page 15.

To create the FortiAnalyzer deployment image:

1. Go to *Snapshot and Images > Custom Images*.

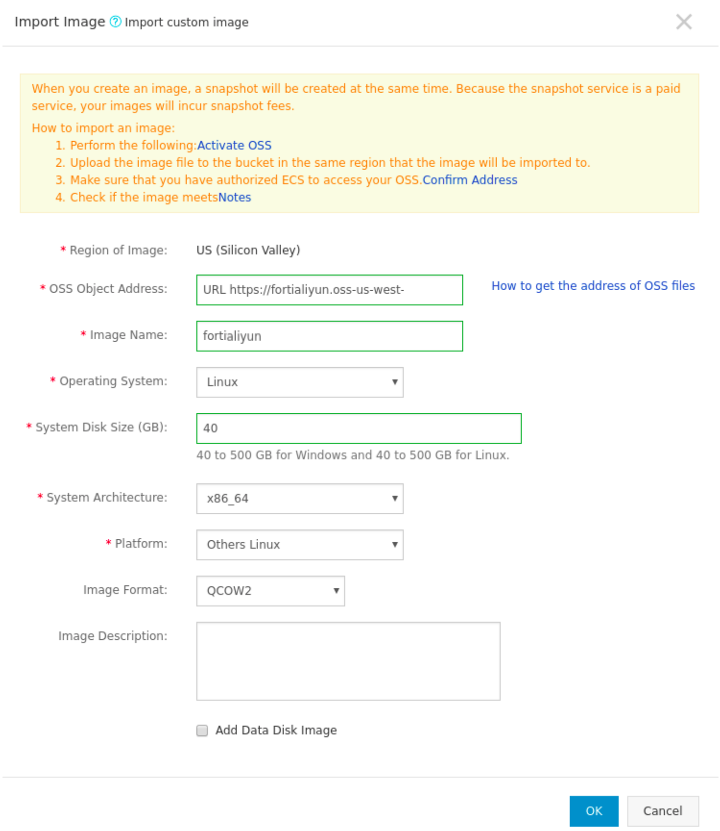


Note: Currently, the image feature is free to use. You have already created **36** custom images. You can still create **664** custom images. Images are created from snapshots. Because the snapshot service is a paid service, your images will incur snapshot fees.

ID/Name	Tags	Type	Platform	System Bit	Created At	Status	Progress	Actions
m-rj9gmvdfxx1bz4hu0az4 fmg-b1047		Custom Images	Others Linux	64Bit	April 9, 2019, 10:40	Available	100%	Create Instance | Delete Image | Modify Description Related Instances | Copy Image | Share Image
m-rj9dw8wes0yhw799ztsl fhua-byol-v60-b0260		Custom Images	Others Linux	64Bit	April 6, 2019, 16:31	Available	100%	Create Instance | Delete Image | Modify Description Related Instances | Copy Image | Share Image
m-rj96x9yb5efpi9vmrfqi fhua-ond-v60-b0260		Custom Images	Others Linux	64Bit	April 6, 2019, 16:23	Available	100%	Create Instance | Delete Image | Modify Description Related Instances | Copy Image | Share Image
m-rj9dbfrhoyk3vmfz30i5 pcui-cloudinit2		Custom Images	Others Linux	64Bit	April 5, 2019, 16:13	Available	100%	Create Instance | Delete Image | Modify Description Related Instances | Copy Image | Share Image
m-rj9979dmhhxwwmz2lgqr fhua-byol-v62-b0866		Custom Images	Others Linux	64Bit	April 4, 2019, 11:11	Available	100%	Create Instance | Delete Image | Modify Description Related Instances | Copy Image | Share Image
m-rj9gf9lgawv6739xec7g zhmFGT62		Custom Images	Customized Linux	64Bit	March 4, 2019, 17:09	Available	100%	Create Instance | Delete Image | Modify Description Related Instances | Copy Image | Share Image
m-rj9gzere7xo2a4775297 fmg-b1011		Custom Images	Others Linux	64Bit	February 28, 2019, 18:44	Available	100%	Create Instance | Delete Image | Modify Description Related Instances | Copy Image | Share Image
m-rj96owiqw42m95bmq8o2 fazimage1010		Custom Images	Others Linux	64Bit	February 27, 2019, 15:27	Available	100%	Create Instance | Delete Image | Modify Description Related Instances | Copy Image | Share Image
m-rj9hoz9ikbd3gpayojog faz1800-1		Custom Images	Others Linux	64Bit	February 25, 2019, 15:16	Available	100%	Create Instance | Delete Image | Modify Description Related Instances | Copy Image | Share Image
m-rj93atpalb58d29liefd		Custom Images	Others Linux	64Bit	February 25, 2019, 11:21	Available	100%	Create Instance | Delete Image | Modify Description

Total: 34 item(s), Per Page: 20 item(s) « ‹ 1 2 › »

2. Click *Import Image*. Configure the settings in the Import Image screen. Configure the following settings:
   - OSS Object Address - paste the URL from step 9 in Uploading the FortiAnalyzer installer to AliCloud on page 7 into OSS Object Address.
   - Image Name - specify a name for the image.
   - Operating System - select *Linux*.
   - System Disk Size - select the minimum disk size as *40 GB*.
   - System Architecture - select *x86_64*.
   - Platform - select *Other Linux*.
   - Image Format - select *QCOW2*.



Import Image Import custom image

When you create an image, a snapshot will be created at the same time. Because the snapshot service is a paid service, your images will incur snapshot fees.

How to import an image:

1. Perform the following:Activate OSS
2. Upload the image file to the bucket in the same region that the image will be imported to.
3. Make sure that you have authorized ECS to access your OSS.Confirm Address
4. Check if the image meetsNotes

* Region of Image: US (Silicon Valley)

* OSS Object Address: URL https://fortialiyun.oss-us-west-

How to get the address of OSS files

* Image Name: fortialiyun

* Operating System: Linux

* System Disk Size (GB): 40

40 to 500 GB for Windows and 40 to 500 GB for Linux.

* System Architecture: x86_64

* Platform: Others Linux

Image Format: QCOW2

Image Description:

□ Add Data Disk Image

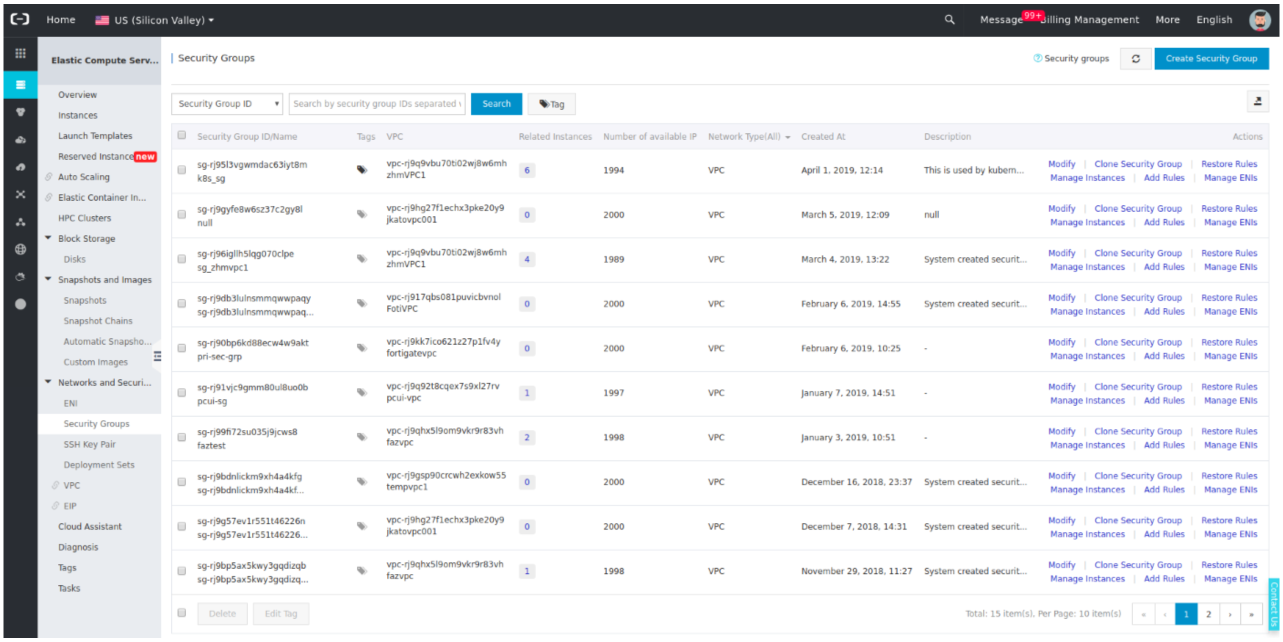
3. Click *OK*.

Creating security groups

To create security groups:

1. Go to *Elastic Compute Service* > *Network and Security*.
2. Click *Security Groups*.

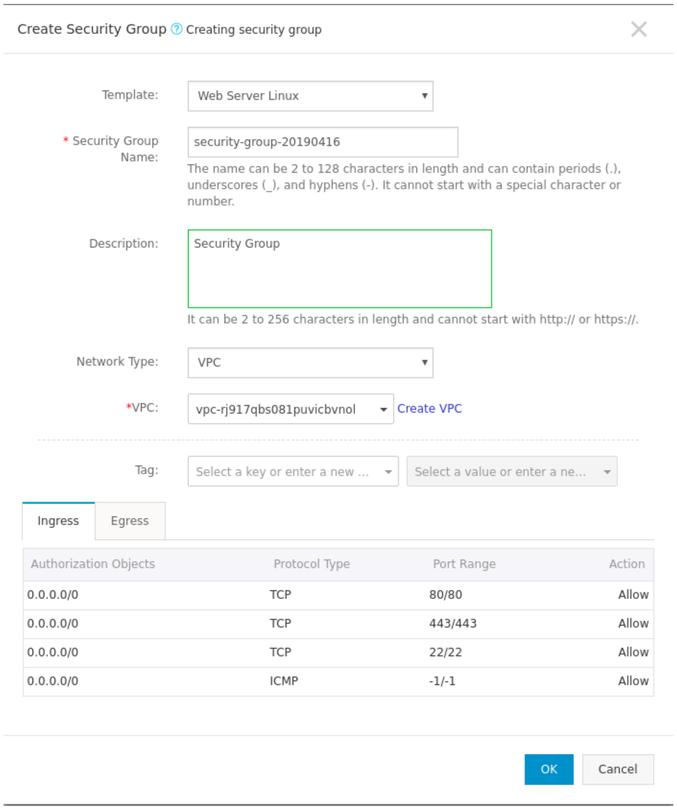
3. Click *Create Security Group*.



Security Group ID/Name	Tags	VPC	Related Instances	Number of available IP	Network Type(All)	Created At	Description	Actions
sg-rj95l3vgwmdac63iyt8m k8s_sg		vpc-rj9q9vbu70ti02wj8w6mh zhmVPC1	6	1994	VPC	April 1, 2019, 12:14	This is used by kubern...	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs
sg-rj9gyfe8w6sz37c2gy8l null		vpc-rj9hg27f1echx3pke20y9 jkatovpc001	0	2000	VPC	March 5, 2019, 12:09	null	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs
sg-rj96igllh5lqg070clpe sg_zhmvpc1		vpc-rj9q9vbu70ti02wj8w6mh zhmVPC1	4	1989	VPC	March 4, 2019, 13:22	System created securit...	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs
sg-rj9db3lulnsmmqwwpaqy sg-rj9db3lulnsmmqwwpaq...		vpc-rj917qbs081puvicbvnol FotiVPC	0	2000	VPC	February 6, 2019, 14:55	System created securit...	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs
sg-rj90bp6kd88ecw4w9akt pri-sec-grp		vpc-rj9kk7ico621z27p1fv4y fortigatevpc	0	2000	VPC	February 6, 2019, 10:25	-	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs
sg-rj91vjc9gmm80ul8uo0b pcui-sg		vpc-rj9q92t8cqex7s9xl27rv pcui-vpc	1	1997	VPC	January 7, 2019, 14:51	-	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs
sg-rj99fi72su035j9jcws8 faztest		vpc-rj9qhx5l9om9vkr9r83vh fazvpc	2	1998	VPC	January 3, 2019, 10:51	-	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs
sg-rj9bdnlickm9xh4a4kfg sg-rj9bdnlickm9xh4a4kf...		vpc-rj9gsp90crcwh2exkow55 tempvpc1	0	2000	VPC	December 16, 2018, 23:37	System created securit...	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs
sg-rj9g57ev1r551t46226n sg-rj9g57ev1r551t46226...		vpc-rj9hg27f1echx3pke20y9 jkatovpc001	0	2000	VPC	December 7, 2018, 14:31	System created securit...	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs
sg-rj9bp5ax5kwy3gqdizqb sg-rj9bp5ax5kwy3gqdizq...		vpc-rj9qhx5l9om9vkr9r83vh fazvpc	1	1998	VPC	November 29, 2018, 11:27	System created securit...	Modify | Clone Security Group | Restore Rules Manage Instances | Add Rules | Manage ENIs

Total: 15 item(s), Per Page: 10 item(s) « ‹ 1 2 › »

4. Configure the security group and click *OK*.

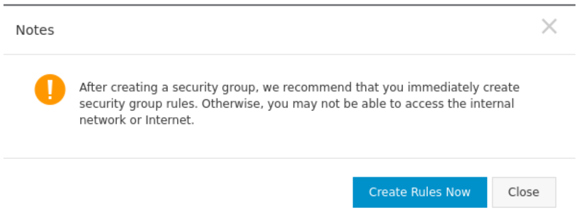


Template:	Web Server Linux
* Security Group Name:	security-group-20190416 The name can be 2 to 128 characters in length and can contain periods (.), underscores (_), and hyphens (-). It cannot start with a special character or number.
Description:	Security Group It can be 2 to 256 characters in length and cannot start with http:// or https://.
Network Type:	VPC
*VPC:	vpc-rj917qbs081puvicbvnol Create VPC
Tag:	Select a key or enter a new ... Select a value or enter a ne...

Ingress Egress

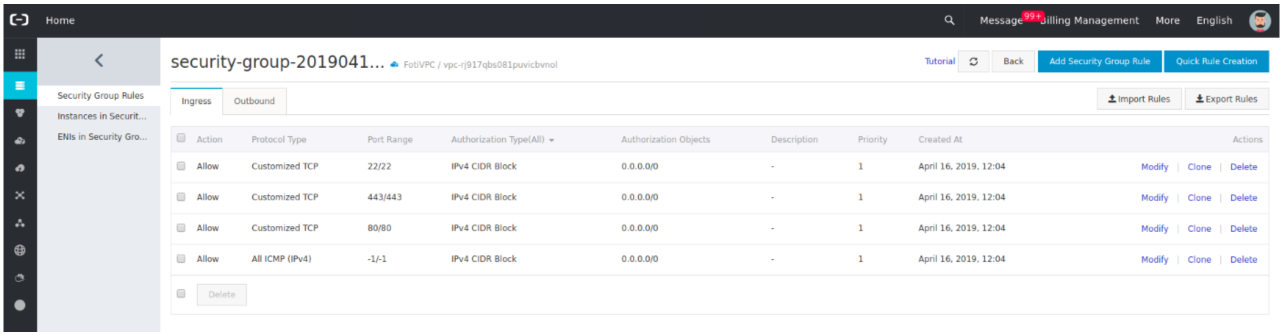
Authorization Objects	Protocol Type	Port Range	Action
0.0.0.0/0	TCP	80/80	Allow
0.0.0.0/0	TCP	443/443	Allow
0.0.0.0/0	TCP	22/22	Allow
0.0.0.0/0	ICMP	-1/-1	Allow

5. Click *Create Rules Now*.



After creating a security group, we recommend that you immediately create security group rules. Otherwise, you may not be able to access the internal network or Internet.

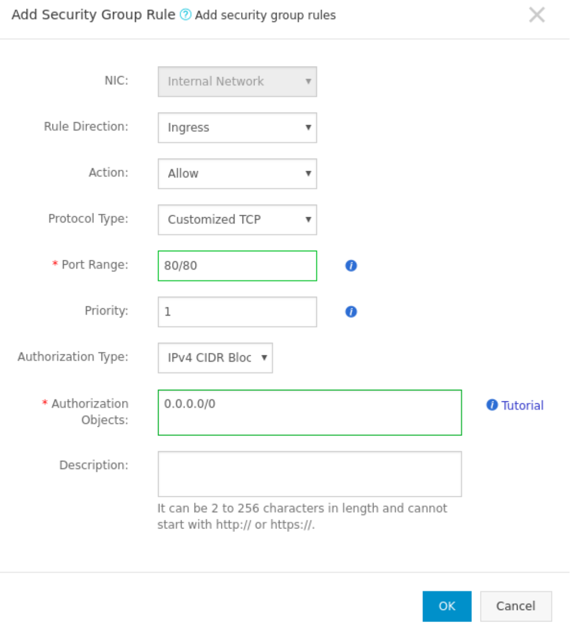
6. Click *Add Security Group Rule*.



security-group-2019041... FotiVPC / vpc-rj917qbs081puvicbvnol

Action	Protocol Type	Port Range	Authorization Type(All)	Authorization Objects	Description	Priority	Created At	Actions
Allow	Customized TCP	22/22	IPv4 CIDR Block	0.0.0.0/0	-	1	April 16, 2019, 12:04	Modify | Clone | Delete
Allow	Customized TCP	443/443	IPv4 CIDR Block	0.0.0.0/0	-	1	April 16, 2019, 12:04	Modify | Clone | Delete
Allow	Customized TCP	80/80	IPv4 CIDR Block	0.0.0.0/0	-	1	April 16, 2019, 12:04	Modify | Clone | Delete
Allow	All ICMP (IPv4)	-1/-1	IPv4 CIDR Block	0.0.0.0/0	-	1	April 16, 2019, 12:04	Modify | Clone | Delete

7. Configure the settings as per your network infrastructure and click *OK*.



NIC:	Internal Network
Rule Direction:	Ingress
Action:	Allow
Protocol Type:	Customized TCP
* Port Range:	80/80
Priority:	1
Authorization Type:	IPv4 CIDR Bloc
* Authorization Objects:	0.0.0.0/0
Description:	

It can be 2 to 256 characters in length and cannot start with http:// or https://.

Creating an instance

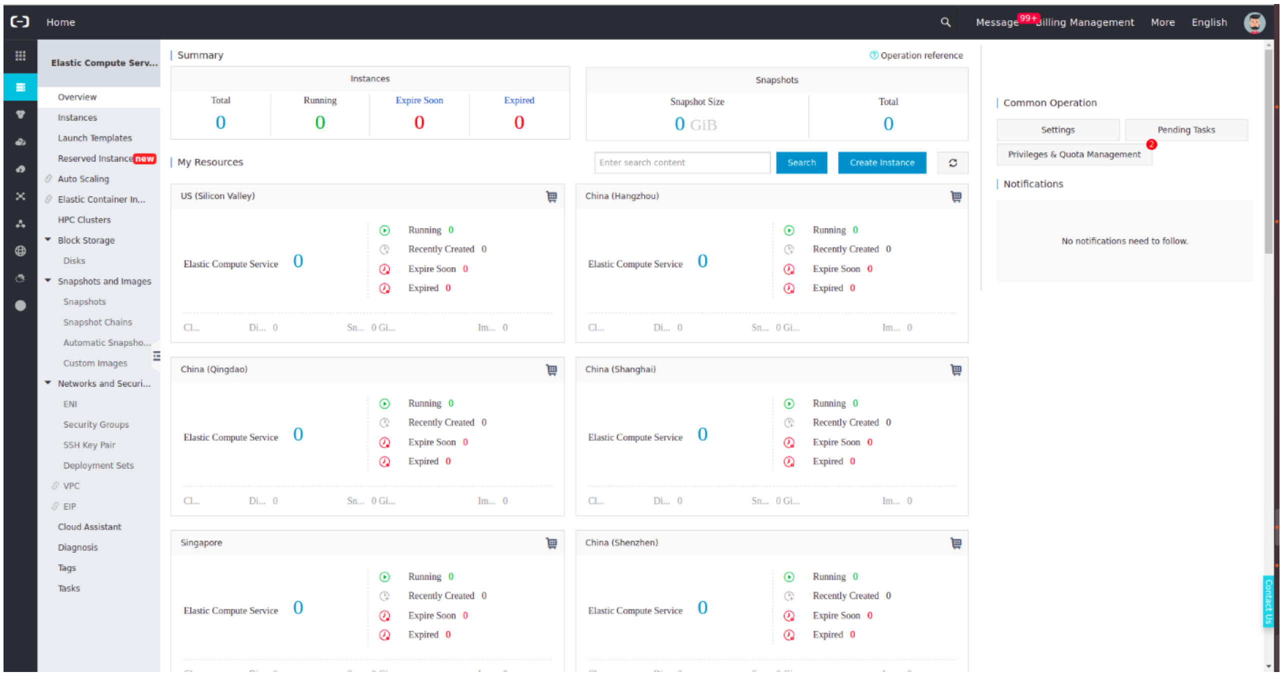
FortiAnalyzer can be deployed in the following ways:

- Go to *Alibaba Cloud* > *Marketplace* and choose FortiAnalyzer. Click *Choose Your Plan* and continue from step 2 described below.

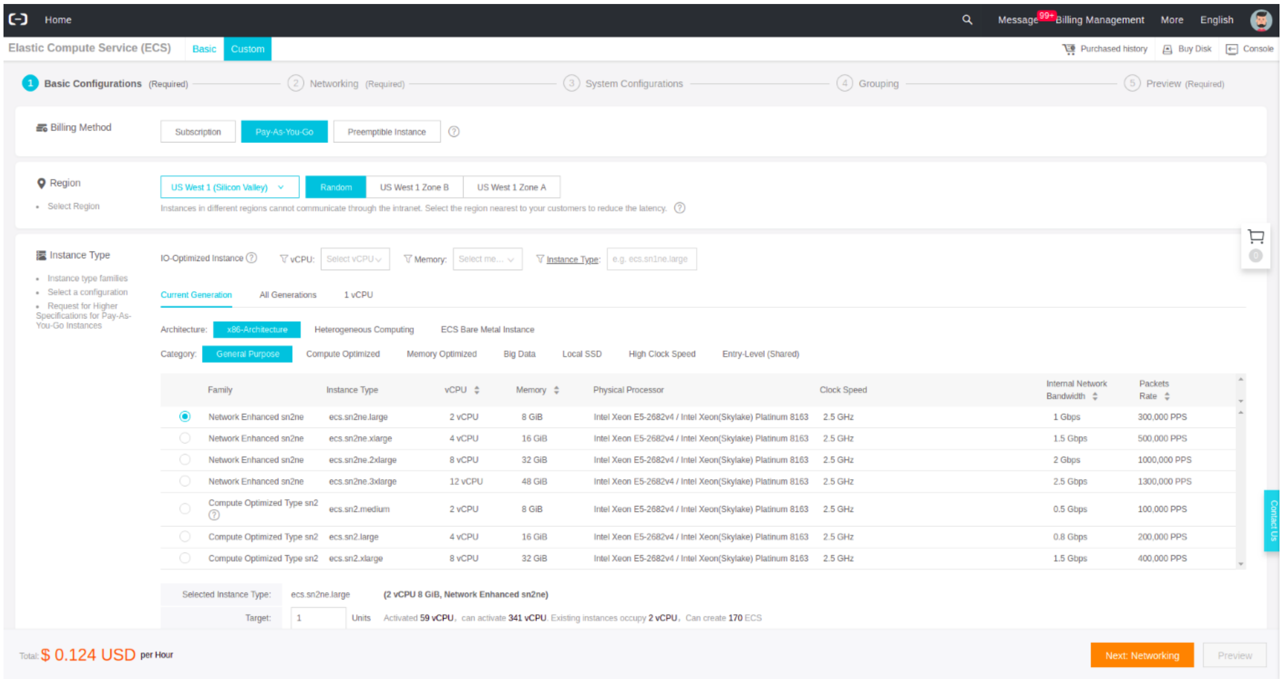
- Create a deployment image as described in Creating the FortiAnalyzer deployment image on page 11 and follow the steps below.

To create an instance:

1. Go to *Elastic Computer Service* > *Instances*, and click *Create Instance*.



2. Select the *Billing Method*, *Region*, and *Instance Type*.



Billing Method: Subscription | **Pay-As-You-Go** | Preemptible Instance

Region: **US West 1 (Silicon Valley)** | **Random** | US West 1 Zone B | US West 1 Zone A

Select Region

Instances in different regions cannot communicate through the intranet. Select the region nearest to your customers to reduce the latency.

Instance Type

vCPU: Select vCPU Memory: Select me... Instance Type: e.g. ecs.sn1ne.large

Architecture: **x86-Architecture** | Heterogeneous Computing | ECS Bare Metal Instance

Category: **General Purpose** | Compute Optimized | Memory Optimized | Big Data | Local SSD | High Clock Speed | Entry-Level (Shared)

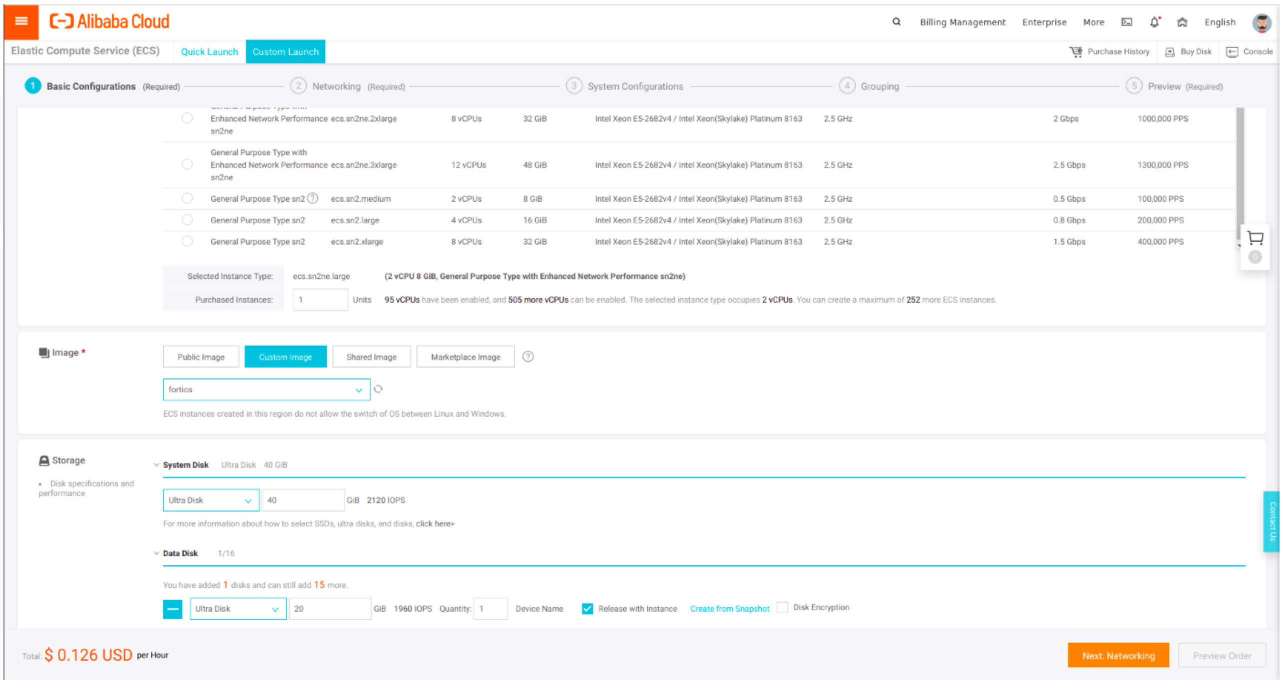
	Family	Instance Type	vCPU	Memory	Physical Processor	Clock Speed	Internal Network Bandwidth	Packets Rate
●	Network Enhanced sn2ne	ecs.sn2ne.large	2 vCPU	8 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	1 Gbps	300,000 PPS
○	Network Enhanced sn2ne	ecs.sn2ne.xlarge	4 vCPU	16 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	1.5 Gbps	500,000 PPS
○	Network Enhanced sn2ne	ecs.sn2ne.2xlarge	8 vCPU	32 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	2 Gbps	1000,000 PPS
○	Network Enhanced sn2ne	ecs.sn2ne.3xlarge	12 vCPU	48 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	2.5 Gbps	1300,000 PPS
○	Compute Optimized Type sn2	ecs.sn2.medium	2 vCPU	8 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	0.5 Gbps	100,000 PPS
○	Compute Optimized Type sn2	ecs.sn2.large	4 vCPU	16 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	0.8 Gbps	200,000 PPS
○	Compute Optimized Type sn2	ecs.sn2.xlarge	8 vCPU	32 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	1.5 Gbps	400,000 PPS

Selected Instance Type: ecs.sn2ne.large **(2 vCPU 8 GiB, Network Enhanced sn2ne)**

Target: 1 Units Activated **59 vCPU**, can activate **341 vCPU**. Existing instances occupy **2 vCPU**, Can create **170** ECS

Total: $ 0.124 USD per Hour

3. Select the *Image* uploaded in Creating the FortiAnalyzer deployment image on page 11. If you are deploying FortiAnalyzer from the Marketplace, the image is selected automatically. Specify the storage. Create a *System Disk* and a *Data Disk*. Click *Next*.



○	General Purpose Type with Enhanced Network Performance sn2ne	ecs.sn2ne.2xlarge	8 vCPUs	32 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	2 Gbps	1000,000 PPS
○	General Purpose Type with Enhanced Network Performance sn2ne	ecs.sn2ne.3xlarge	12 vCPUs	48 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	2.5 Gbps	1300,000 PPS
○	General Purpose Type sn2	ecs.sn2.medium	2 vCPUs	8 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	0.5 Gbps	100,000 PPS
○	General Purpose Type sn2	ecs.sn2.large	4 vCPUs	16 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	0.8 Gbps	200,000 PPS
○	General Purpose Type sn2	ecs.sn2.xlarge	8 vCPUs	32 GiB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	1.5 Gbps	400,000 PPS

Selected Instance Type: ecs.sn2ne.large **(2 vCPU 8 GiB, General Purpose Type with Enhanced Network Performance sn2ne)**

Purchased Instances: 1 Units **95 vCPUs** have been enabled, and **505 more vCPUs** can be enabled. The selected instance type occupies **2 vCPUs**. You can create a maximum of **252** more ECS instances.

Image *

Public Image | Custom Image | Shared Image | Marketplace Image

fortios

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

Storage

- Disk specifications and performance

System Disk Ultra Disk 40 GiB

Ultra Disk 40 GiB 2120 IOPS

For more information about how to select SSDs, ultra disks, and disks, click here>

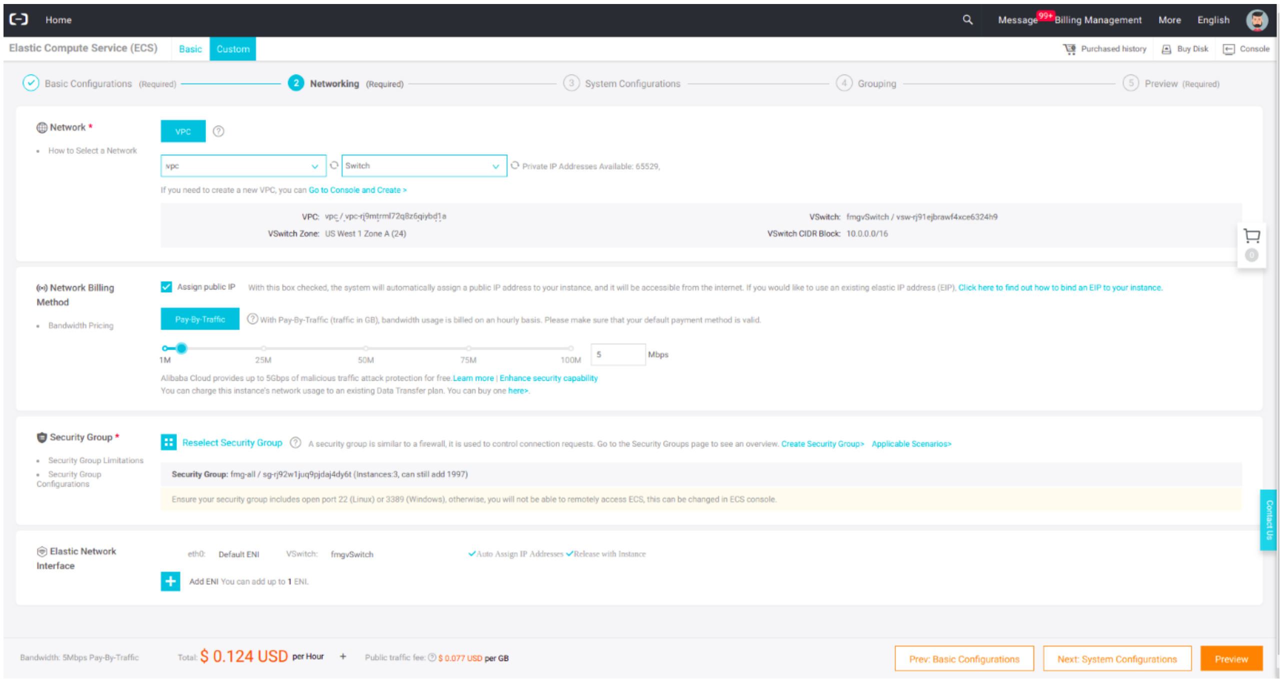
Data Disk 1/16

You have added 1 disks and can still add 15 more.

Ultra Disk 20 GiB 1960 IOPS Quantity: 1 Device Name ☑ Release with Instance Create from Snapshot □ Disk Encryption

Total: $ 0.126 USD per Hour

4. In *Network*, select the VPC and the Switch created in Configuring a virtual private cloud on page 10. In *Network Billing Method*, select *Assign Public IP*. Select the Security Group created in Creating security groups on page 13. Click *Next*.



Network *

- How to Select a Network

VPC

vpc | Switch | Private IP Addresses Available: 65529,

If you need to create a new VPC, you can Go to Console and Create >

VPC: vpc / vpc-rj9mtrml72q8z6qiybd1a VSwitch: fmgvSwitch / vsw-rj91ejbrawf4xce6324h9

VSwitch Zone: US West 1 Zone A (24) VSwitch CIDR Block: 10.0.0.0/16

Network Billing Method

- Bandwidth Pricing

☑ Assign public IP With this box checked, the system will automatically assign a public IP address to your instance, and it will be accessible from the internet. If you would like to use an existing elastic IP address (EIP), Click here to find out how to bind an EIP to your instance.

Pay-By-Traffic With Pay-By-Traffic (traffic in GB), bandwidth usage is billed on an hourly basis. Please make sure that your default payment method is valid.

1M 25M 50M 75M 100M 5 Mbps

Alibaba Cloud provides up to 5Gbps of malicious traffic attack protection for free.Learn more | Enhance security capability

You can charge this instance's network usage to an existing Data Transfer plan. You can buy one here>.

Security Group *

- Security Group Limitations
- Security Group Configurations

Reselect Security Group A security group is similar to a firewall, it is used to control connection requests. Go to the Security Groups page to see an overview. Create Security Group> Applicable Scenarios>

Security Group: fmg-all / sg-rj92w1juq9pjdaj4dy6t (Instances:3, can still add 1997)

Ensure your security group includes open port 22 (Linux) or 3389 (Windows), otherwise, you will not be able to remotely access ECS, this can be changed in ECS console.

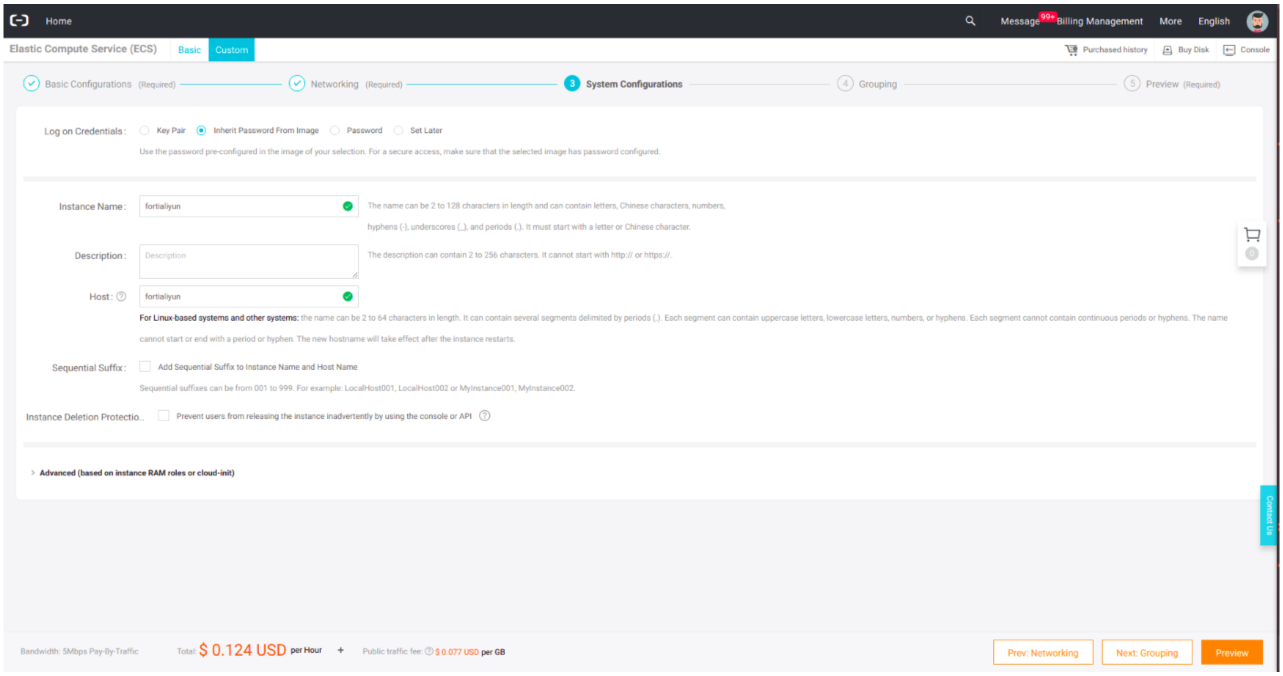
Elastic Network Interface

eth0: Default ENI VSwitch: fmgvSwitch ✓Auto Assign IP Addresses ✓Release with Instance

Add ENI You can add up to 1 ENI.

Bandwidth: 5Mbps Pay-By-Traffic Total: $ 0.124 USD per Hour + Public traffic fee: $ 0.077 USD per GB

5. Add tags and select a *Deployment Set*. This step is optional. Click *Preview*.



Log on Credentials: ○ Key Pair ● Inherit Password From Image ○ Password ○ Set Later

Use the password pre-configured in the image of your selection. For a secure access, make sure that the selected image has password configured.

Instance Name: fortialiyun

The name can be 2 to 128 characters in length and can contain letters, Chinese characters, numbers, hyphens (-), underscores (_), and periods (.). It must start with a letter or Chinese character.

Description: Description

The description can contain 2 to 256 characters. It cannot start with http:// or https://.

Host: fortialiyun

For Linux-based systems and other systems: the name can be 2 to 64 characters in length. It can contain several segments delimited by periods (.). Each segment can contain uppercase letters, lowercase letters, numbers, or hyphens. Each segment cannot contain continuous periods or hyphens. The name cannot start or end with a period or hyphen. The new hostname will take effect after the instance restarts.

Sequential Suffix: □ Add Sequential Suffix to Instance Name and Host Name

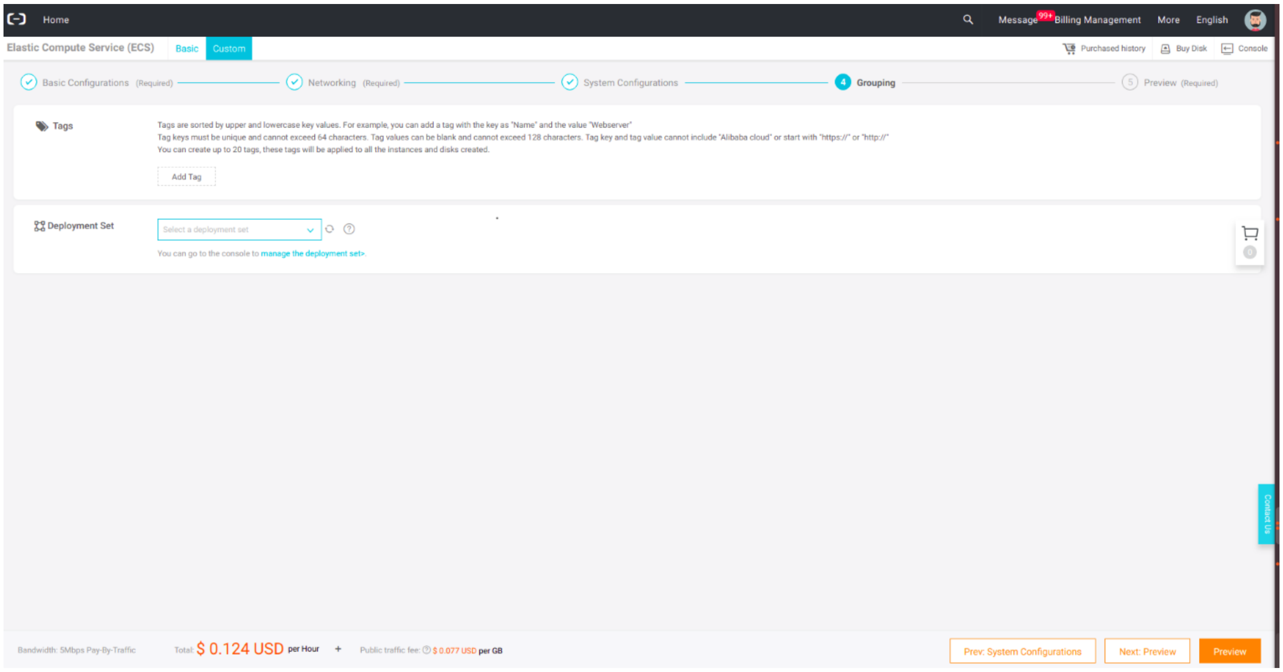
Sequential suffixes can be from 001 to 999. For example: LocalHost001, LocalHost002 or MyInstance001, MyInstance002.

Instance Deletion Protectio... □ Prevent users from releasing the instance inadvertently by using the console or API

> **Advanced (based on instance RAM roles or cloud-init)**

Bandwidth: 5Mbps Pay-By-Traffic Total: $ 0.124 USD per Hour + Public traffic fee: $ 0.077 USD per GB

6. Add tags and select a *Deployment Set*. This step is optional. Click *Preview*.



Tags

Tags are sorted by upper and lowercase key values. For example, you can add a tag with the key as "Name" and the value "Webserver"
Tag keys must be unique and cannot exceed 64 characters. Tag values can be blank and cannot exceed 128 characters. Tag key and tag value cannot include "Alibaba cloud" or start with "https://" or "http://"
You can create up to 20 tags, these tags will be applied to all the instances and disks created.

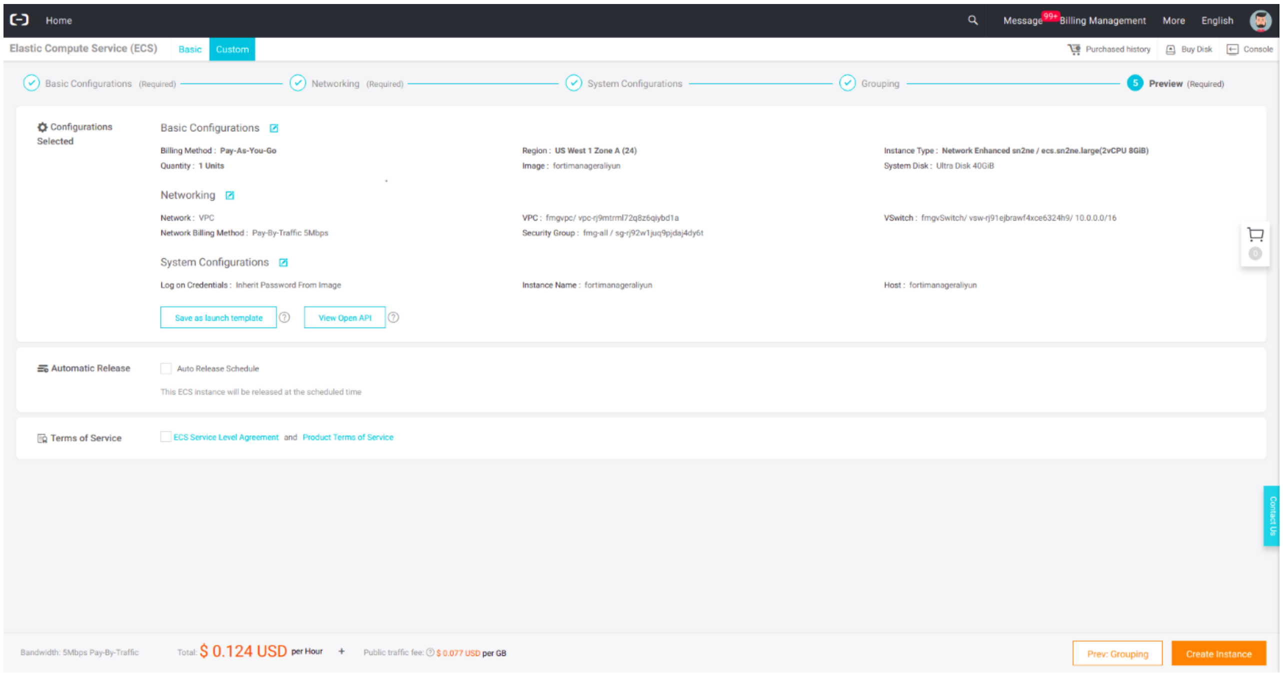
Add Tag

Deployment Set: Select a deployment set

You can go to the console to manage the deployment set>.

Bandwidth: 5Mbps Pay-By-Traffic Total: $ 0.124 USD per Hour + Public traffic fee: $ 0.077 USD per GB

7. Review the configuration, set an *Automatic Release* if required, and accept the *Terms of Service*



Configurations Selected

Basic Configurations

Billing Method : Pay-As-You-Go
Quantity : 1 Units
Region : US West 1 Zone A (24)
Image : fortimanageraliyun
Instance Type : Network Enhanced sn2ne / ecs.sn2ne.large(2vCPU 8GiB)
System Disk : Ultra Disk 40GiB

Networking

Network : VPC
Network Billing Method : Pay-By-Traffic 5Mbps
VPC : fmgvpc/ vpc-rj9mtrml72q8z6qiybd1a
Security Group : fmg-all / sg-rj92w1juq9pjdaj4dy6t
VSwitch : fmgvSwitch/ vsw-rj91ejbrawf4xce6324h9/ 10.0.0.0/16

System Configurations

Log on Credentials : Inherit Password From Image
Instance Name : fortimanageraliyun
Host : fortimanageraliyun

Automatic Release

☐ Auto Release Schedule

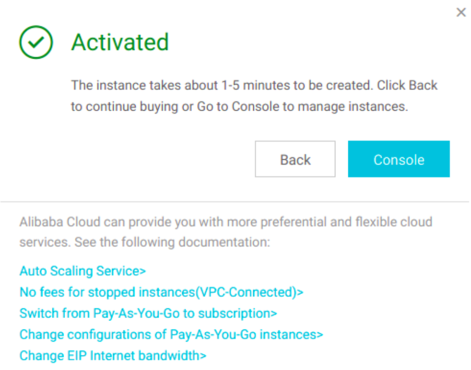
This ECS instance will be released at the scheduled time

Terms of Service

☐ ECS Service Level Agreement and Product Terms of Service

Bandwidth: 5Mbps Pay-By-Traffic Total: $ 0.124 USD per Hour + Public traffic fee: $ 0.077 USD per GB

8. Click *Create Instance*. The instance takes about 1 to 5 minutes to be created.



Activated

The instance takes about 1-5 minutes to be created. Click Back to continue buying or Go to Console to manage instances.

Alibaba Cloud can provide you with more preferential and flexible cloud services. See the following documentation:

Auto Scaling Service>
No fees for stopped instances(VPC-Connected)>
Switch from Pay-As-You-Go to subscription>
Change configurations of Pay-As-You-Go instances>
Change EIP Internet bandwidth>

Connecting to the FortiAnalyzer-VM

To connect to the FortiAnalyzer-VM, you need the public IP address.

The default username is admin and the default password is the AliCloud instance ID, which is represented as a number that you can find after locating the instance in AliCloud console.

To connect to the FortiAnalyzer-VM:

1. Click the FortiAnalyzer instance and view details to get the public IP address.
2. Locate the instance ID and copy it to the clipboard.
3. In a browser, go to the public IP address for the FortiAnalyzer instance.

4. Enter the following information, and press `Enter`:
    - Login: admin
    - Password: Paste the instance ID from the clipboard.

    You are logged into the FortiAnalyzer GUI.
5. Change your password by following the prompts.

Change log

Date	Change Description
2020-04-09	Initial release.