



FortiManager - AliCloud Cookbook

Version 6.4



FORTINET DOCUMENT LIBRARY

https://docs.fortinet.com

FORTINET VIDEO GUIDE https://video.fortinet.com

FORTINET BLOG https://blog.fortinet.com

CUSTOMER SERVICE & SUPPORT https://support.fortinet.com

FORTINET TRAINING & CERTIFICATION PROGRAM

https://www.fortinet.com/support-and-training/training.html

NSE INSTITUTE https://training.fortinet.com

FORTIGUARD CENTER https://fortiguard.com/

END USER LICENSE AGREEMENT https://www.fortinet.com/doc/legal/EULA.pdf

FEEDBACK Email: techdoc@fortinet.com



April 09, 2020 FortiManager 6.4 AliCloud Cookbook 02-640-619612-20200409

TABLE OF CONTENTS

About FortiManager for AliCloud	4
Instance type support	4
Region support	4
Models	5
Licensing	5
Creating a support account	5
Registering and downloading licenses	5
Deploying FortiManager on AliCloud	7
Obtaining the deployment image	7
Uploading the FortiManager installer to AliCloud	7
Configuring a virtual private cloud	10
Creating the FortiManager deployment image	11
Creating security groups	13
Creating an instance	15
Connecting to the FortiManager-VM	19
Security Fabric connector integration with AliCloud	21
Creating Fabric connector objects for AliCloud	21
Importing address names to a Fabric connector	22
Creating an IP address policy	22
Installing policy packages	23
Change log	25

About FortiManager for AliCloud

FortiManager provides security-operationalized visibility across your Fortinet Security Fabric and enables true security effectiveness and foresight to identify and understand the scope of threats. It also facilitates actionable responses and remediation of risks.

Quantifiable security solution information produces measurable accountability and uses those ratings to compare your security preparedness internally and to that of your industry peers.

Centralized change management helps you update policies and objects, maintain provisioning templates and easily configure changes to your APs, switches, SD-WAN and SDN connectors and more, to mitigate security events and apply configuration changes and policy updates.

Network administrators can better control their network by logically grouping devices into administrative domains (ADOMs), effectively applying policies and distributing content security/firmware updates. FortiManager is one of several versatile network security management products that provide diverse deployment types, growth flexibility, advanced customization through APIs, and simple licensing, all through central management and configuration.

Instance type support

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

Region support

FortiManager-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

FortiManager-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 FortiManager-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 FortiManager 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 FortiManager-VM instance, and log in to the FortiManager 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 FortiManager 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.
- 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 FortiManager-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 FortiManager-VM, if you get an error that the license is invalid, wait 30 minutes and try again.

Deploying FortiManager 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 FortiManager.
- 4. Under Select Platform, select AliCloud.
- 5. Download the deployment package file.

Uploading the FortiManager installer to AliCloud

To upload the FortiManager installer to AliCloud:

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

ome 🕲 Global			Q. Mes	ssage ⁹⁹⁺ Jilling Management More Englisl
User Center Security AccessRey				Indonesia Data Center Coming Soon Sign up for 1000B Dira Transfert
Products & Services				SSD Cloud Server on ECS Starting from \$4.50/month
Elastic Computing	ApsaraDB	Storage & CDN	Networking	
Elastic Compute Service	ApsaraDB for RDS	Object Storage Service	Virtual Private Cloud	Getting Started
🌲 Server Load Balancer	🕄 ApsaraDB for MongoDB	S NAS	👶 Server Load Balancer	\$0.99/month Build Your Website in This tutorial describes how to build a
∿ Auto Scaling	ApsaraDB for Redis	- Table Store	NAT Gateway	website with Alibaba Cloud Web Hosting in just a few easy steps.
Container Service	ApsaraDB for Memcache	🔀 Alibaba Cloud CDN	S Elastic IP Address	How to Deploy a WordPress Instanc. This blog explains how to setup a WordPre
Container Registry	HiTSDB(High-Performance Time Series Databa	🕹 Dynamic Route for CDN	Express Connect	instance with an Apache web server on Ubuntu 14.04.
© Resource Orchestration Service	HybridDB for PostgreSQL	⊗ Cloud Storage Gateway	VPN Gateway	
Batch Compute	Data Transmission Service	S Hybrid Backup Recovery	🔀 Alibaba Cloud CDN	Latest Activities
🪸 Function Compute	③ Database Backup Service	Monitor and Management	Access Gateway	Get rewarded for your community leadership and grow your global influence.
8 E-HPC	& Distribute Relational Database Service	A CloudMonitor	Cloud Enterprise Network	Win Tickets to CES 2018
Simple Application Server	Cloud Communication	Resource Access Management	Application Services	Ask/Answer Questions on Stack Overflow o Quora to win tickets to CES 2018 in Las Vegas.
Elastic Container Instance	5 Message Notification Service	ActionTrail	Log Service	Tech Share
Analysis	Gr Direct Mail	🔅 Key Management Service	Gr Direct Mail	the community.
E-MapReduce	💬 Short Message Service	DTplus	,å, API Gateway	Customer Feedback
HybridDB for PostgreSQL	and an inclusion	③ DataWorks	IoT Platform	

3. Click Create Bucket.



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

Create Bucket		⑦ Create a bucket							
	Note: Storage Class and Region is created.	cannot be changed after the bucket							
Bucket Name	fortialiyun	18/63							
Region	US (Silicon Valley)								
Endpoint	Alibaba Cloud services in the same reg over an internal network. Select a regi cannot be changed after the purchase oss-us-west-1.aliyuncs.com	gion can communicate with each other ion with caution because the region).							
Endpoint Storage Class	Alibaba Cloud services in the same reg over an internal network. Select a regi cannot be changed after the purchase oss-us-west-1.aliyuncs.com Standard IA	gion can communicate with each other ion with caution because the region Archive							
Endpoint Storage Class	Alibaba Cloud services in the same reg over an internal network. Select a regi cannot be changed after the purchase oss-us-west-1.aliyuncs.com Standard IA Standard: high reliability, high availab How to Choose a Suitable Storage Cla	gion can communicate with each other ion with caution because the region Archive ility, high performance, frequent access \$\$							
Endpoint Storage Class Access Control List (ACL)	Alibaba Cloud services in the same reg over an internal network. Select a regi cannot be changed after the purchase oss-us-west-1.aliyuncs.com Standard IA Standard: high reliability, high availab How to Choose a Suitable Storage Cla Private Public Read	Archive Archive Uilty, high performance, frequent access SS Public Read/Write							

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

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



9. Click the uploaded file and copy the URL.

(-)						Message ⁹⁹⁺ Billing Manag		re English	6
	Object Storage Ser…	fortialiyun		Access Control List (ACL) Priva	Preview) Image Processi	ing X
=	Overview	Overview Files Basic Settings Domain Names Image Processing Event Notification	Basic Statistics	Ranking Statistics API St					
8 2	My OSS Paths + × fortimanageraliyun…	Upload Create Folder Fragments Authorize Batch operation V Refresh Selected: 1/1							
	Buckets + O I 🖾	File/Object Name	Size	Storage					
	Bucket Name Q	□ • <i>L</i> test/							
<u> </u>	e ali-pri	mg.qcow2	102.301MB	Standa		This type file is not support pr	eview.		
	 faz-bucket 								
•	 fhua-bucket-1 								
a	fortimanageralisup								
•	 fortinet-marketplace 								
	 fosimage 				File Name	test/fmg.qcow2			_
	 jcripps-test-bucket 				FTag	06CB1D4B384475D44B4CE83319DE0	270		
	 pcui-bucket 				Validity Period ⑦				_
	 pcui-bucket2 				(Seconds)	3600			
	< 1/2 >				Use HTTPS				
					URL	https://fortimanageraliyun.oss-us- 2?Expires=1555365095&OSSAccess wVeSd2mLawr/wRNVps2XM-dB9s7 RCRe2S-G-GF9K44Nztl0CFEZEnT7j e=bmaY4XpLMmkHnJ5qgr7KLEYG6	vest-1.aliyuncs. Keyld=TMP.AQE QKLyfgtB8KKLF Ki79eWf7VNUm GA%3D	com/test/fmg.qcc G6Rk7qKbcXsJLz xADAtAhUAoFrm zkJS0qBb&Signa	.ow z8B 1R1 atur
						Download Open File URL Co	py File URL	Copy File Path	
					Туре	application/octet-stream		Set HTTP He	eader
					File ACL	Inherited from Bucket		Se	et ACL
	🔿 Upload Complete				Storage Class	Standard			

Configuring a virtual private cloud

To configure a virtual private cloud:

1. Go to VPCs. Click Create VPC.

(-)	Home 🛛 🗮 US (Silicon	Valley) 🔻					م Message ⁹⁹⁺ Billing Manag	jement More English	۲
	VPC	VPCs							
-	VPCs	Create VPC Refresh Custom					Instance Name \lor	Enter a ID	Q
-	Route Tables	Instance ID/Name	IPv4 CIDR Block	Status	Default VPC	Route Table	VSwitch	Actions	
е Х	VSwitches	vpc-rj9q9vbu70e02wj8w6mh zhmVPC1	192.168.0.0/16	Available	No	3	8	Manage Delete	
*	Data Transfer Plan ✓ Elastic IP Addresses	vpc-rj917qbs081puvicbvnol FotVPC	192.168.0.0/16	Available	No	1	4	Manage Delete	
්	Elastic IP Addresses	vpc-rj9q92t8cqex7s9xl27rv pcul-vpc	10.0.0/8	 Available 	No	2	10	Manage Delete	
•	NAT Gateways Global Acceleration	vpc-rj9gsp90crcwh2exkow55 tempvpc1	192.168.0.0/16	Available	No	1	3	Manage Delete	
	▼ VPN VPN Gateways	vpc-rj9hg27f1echx3pke20y9 jkatovpc001	10.0.0.0/8	Available	No	1	2	Manage Delete	
	Customer Gateways	vpo-rj0yo502mmhr2pijt53ik	172.20.0.0/16	Available	Yes	1	1	Manage Delete	
	IPsec Connections SSL Servers	vpc-rj9qhx5l9om9vkr9r83vh fazvpc	10.0.0.0/8	Available	No	1	1	Manage Delete	
	SSL Clients	vpc-tj9fsyzu162xo2z9jspol tempvpc	192.168.0.0/16	 Available 	No	1	0	Manage Delete	8
	FlowLog	vpc-rj9mtrml72q8z6qiybd1a fmgvpc	10.0.0.0/8	Available	No	1	1	Manage Delete	ntact Us
	Quick Links	vpc-rj9ik/7ico621z27p1fv4y fortigatevpc	192.168.0.0/16	Available	No	1	3	Manage Delete	
							Items per Page 10 V	<pre>< Prev 1 2 Ne</pre>	oxt >

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

Create VF	PC .	×
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 💿	_
	• IPv4 CIDR Block	Cont
	192 · 168 · 0 · 0 / 24 ∨	act Us
	() The CIDR cannot be changed once the VPC is created.	
	Number of Available Private IPs 252	
	Description 📀	
	ок с	ancel

Creating the FortiManager deployment image

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

To create the FortiManager deployment image:

1. Go to Snapshot and Images > Custom Images.

(-)	Home 🛛 🗮 US (Silicor	n Valley) 🕶							۹	Message 😎 Jilling Management More English 🧕
	Elastic Compute Serv	Images								Create custom image from snapshot C Import Image
8 8 43	Overview Instances Launch Templates	Images Public Images Share Image Note: Currently, the image feature is free to to	use. You have	e already created 36 cu	stom images. You can stil	l create 664 cus	tom images. Images are created	from snapshots.	Because the sna	pshot service is a paid service, your images will incur snapshot fees.
0	Reserved Instancenew	Image Name 🔻 Search by image name		Search	Гад					<u> </u>
×	© Elastic Container In	D/Name	Tags	Туре	Platform	System Bit	Created At	Status	Progress	Actions
.∴ ⊕	HPC Clusters Block Storage	m-rj9gmvdfxx1bz4hu0az4 () fmg-b1047	ø	Custom Images	Others Linux	64Bit	April 9, 2019, 10:40	Available	100%	Create Instance Delete Image Modify Description Related Instances Copy Image Share Image
ð	Disks Snapshots and Images 	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
•	Snapshots Snapshot Chains	m-rj96x9yb5efpi9vmrfqi () fhua-ond-v60-b0260	ø	Custom Images	Others Linux	64Bit	April 6, 2019, 16:23	Available	100%	Create Instance Delete Image Modify Description Related Instances Copy Image Share Image
	Custom Images	m-rj9dbfrhoyk3vmfz30i5 0 pcui-cloudinit2	Чþ.	Custom Images	Others Linux	64Bit	April 5, 2019, 16:13	Available	100%	Create Instance Delete Image Modify Description Related Instances Copy Image Share Image
	ENI Security Groups	m-rj9979dmhhxwwmz2lgqr 0 fhua-byol-v62-b0866	ø	Custom Images	Others Linux	64Bit	April 4, 2019, 11:11	Available	100%	Create Instance Delete Image Modify Description Related Instances Copy Image Share Image
	SSH Key Pair Deployment Sets	m-rj9gf9lgawv6739xec7g 🛿 zhmFGT62	Ъ.	Custom Images	Customized Linux	64Bit	March 4, 2019, 17:09	Available	100%	Create Instance Delete Image Modify Description Related Instances Copy Image Share Image
	S VPC S EIP	m-rj9gzere7xo2a4775297 () fmg-b1011	ø	Custom Images	Others Linux	64Bit	February 28, 2019, 18:44	Available	100%	Create Instance Delete Image Modify Description Related Instances Copy Image Share Image
	Cloud Assistant Diagnosis	m-rj96owiqw42m95bmq8o2 fazimage1010	ø	A Custom Images	Others Linux	64Bit	February 27, 2019, 15:27	Available	100%	Create Instance Delete Image Modify Description Related Instances Copy Image Share Image
	Tags Tasks	m-rj9hoz9ikbd3gpayojog 0 faz1800-1	ø	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 🕖	<u>an</u> ,	A Custom Imanas	Others Linux	64Rit	February 25, 2010, 11-21	Available	100%	Create Instance Delete Image Modify Description
		Delete Image Edit Tag							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 FortiManager 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.

Deploying FortiManager on AliCloud

nport Image 🕐 Import cu	stom image	×
When you create an imag service, your images will it How to import an image: 1. Perform the followi 2. Upload the image 3. Make sure that you 4. Check if the image	e, a snapshot will be created at the same time. Because the snapshot service is a p incur snapshot fees. ng:Activate OSS lie to the bucket in the same region that the image will be imported to. have authorized ECS to access your OSS.Confirm Address meetsNotes	aid
* Region of Image:	US (Silicon Valley)	
* OSS Object Address:	URL https://fortialiyun.oss-us-west-	S file
* 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:	×86_64 •	
* Platform:	Others Linux 🔻	
Image Format:	QCOW2 v	
Image Description:		
	Add Data Disk Image	
	OK Car	ncel

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.

(-)	Home 🔚 US (Silicon	Valle	ey) ▼							Q Message ⁹¹	Billing Management	More	English 🧕
	Elastic Compute Serv	Se	curity Groups								③ Security groups	Create	Security Group
	Overview Instances	Sec	curity Group ID • Search by sec	curity gro	oup IDs separated V Search	€ Tag							2
භ	Launch Templates		Security Group ID/Name	Tags	VPC	Related Instances	Number of available IP	Network Type(All) 👻	Created At	Description			Actions
0	Reserved Instancenew		sg-rj95l3vgwmdac63iyt8m k8s_sg	۲	vpc-rj9q9vbu70ti02wj8w6mh zhmVPC1	6	1994	VPC	April 1, 2019, 12:14	This is used by kubern	Modify Clone Security Manage Instances Ad	Group d Rules	Restore Rules Manage ENIs
~	 Ø Elastic Container In HPC Clusters 		sg-rj9gyfe8w6sz37c2gy8l null	ø	vpc-rj9hg27f1echx3pke20y9 jkatovpc001	0	2000	VPC	March 5, 2019, 12:09	null	Modify Clone Security Manage Instances Ad	Group d Rules	Restore Rules Manage ENIs
•	 Block Storage Disks 		sg-rj96igllh5lqg070clpe sg_zhmvpc1	•	vpc-rj9q9vbu70ti02wj8w6mh zhmVPC1	4	1989	VPC	March 4, 2019, 13:22	System created securit	Modify Clone Security Manage Instances Ad	Group d Rules	Restore Rules Manage ENIs
•	Snapshots Snapshot Chains		sg-rj9db3luinsmmqwwpaqy sg-rj9db3luinsmmqwwpaq	ø	vpc-rj917qbs081puvicbvnol FotiVPC	0	2000	VPC	February 6, 2019, 14:55	System created securit	Modify Clone Security Manage Instances Adv	Group d Rules	Restore Rules Manage ENIs
	Automatic Snapsho Custom Images		sg-rj90bp6kd88ecw4w9akt pri-sec-grp	ø	vpc-rj9kk7ico621z27p1fv4y fortigatevpc	0	2000	VPC	February 6, 2019, 10:25		Modify Clone Security Manage Instances Add	Group d Rules	Restore Rules Manage ENIs
	 Networks and Securi ENI 		sg-rj91vjc9gmm80ul8uo0b pcui-sg	ø	vpc-rj9q92t8cqex7s9xl27rv pcui-vpc	1	1997	VPC	January 7, 2019, 14:51		Modify Clone Security Manage Instances Add	Group d Rules	Restore Rules Manage ENIs
	Security Groups SSH Key Pair		sg-rj99fi72su035j9jcws8 faztest	ø	vpc-rj9qhx5l9om9vkr9r83vh fazvpc	2	1998	VPC	January 3, 2019, 10:51		Modify Clone Security Manage Instances Adv	Group d Rules	Restore Rules Manage ENIs
	Or OPC		sg-rj9bdnlickm9xh4a4kfg sg-rj9bdnlickm9xh4a4kf	ø	vpc-rj9gsp90crcwh2exkow55 tempvpc1	0	2000	VPC	December 16, 2018, 23:37	System created securit	Modify Clone Security Manage Instances Ad	Group d Rules	Restore Rules Manage ENIs
	 EIP Cloud Assistant Diagnosis Tags Tasks 		sg-rj9g57ev1r551t46226n sg-rj9g57ev1r551t46226	ø	vpc-rj9hg27f1echx3pke20y9 jkatovpc001	0	2000	VPC	December 7, 2018, 14:31	System created securit	Modify Clone Security Manage Instances Adv	Group d Rules	Restore Rules Manage ENIs
			sg-rj9bp5ax5kwy3gqdizqb sg-rj9bp5ax5kwy3gqdizq	Ð	vpc-rj9qhx5l9om9vkr9r83vh fazvpc	1	1998	VPC	November 29, 2018, 11:27	System created securit	Modify Clone Security Manage Instances Adv	Group d Rules	Restore Rules Manage ENIs
			Delete Edit Tag							Total: 15 item(s)	, Per Page: 10 item(s) «	< 1	2 > *

4. Configure the security group and click OK.

Create Secu	urity Group	⑦ Creating security group		\times				
	Template:	Web Server Linux	Ŧ					
* Sec	urity Group	security-group-20190416						
	Name:	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.						
C	Description:	Security Group						
		It can be 2 to 256 characters in lengt	ch and cannot start with htt	p:// or https://.				
Net	twork Type:	VPC	Ŧ					
	*VPC:	vpc-rj917qbs081puvicbvnol 🔻	Create VPC					
	Tag:	Select a key or enter a new 🔻	Select a value or enter a	ne 🔻				
Ingress	Egress							
Authorizati	on 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		ICMP	-1/-1	Allow				
			ок	Cancel				

5. Click Create Rules Now.

Notes		×
0	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.	

Create Rules Now Close

6. Click Add Security Group Rule.

(-)	Home								Q Message ⁹⁹	Silling Management More English 🧐
	<	security	-group-20190	941 • FotiVP	C / vpc-rj917qbs081puvicbvnol		Tutorial Ø Back	Add Security Group Rule Quick Rule Creation		
•	Security Group Rules Instances in Securit	Ingress	Dutbound							▲ Import Rules ▲ Export Rules
æ	ENIs in Security Gro	Action	Protocol Type	Port Range	Authorization Type(All) 👻	Authorization Objects	Description	Priority	Created At	Actions
o		Allow	Customized TCP	22/22	IPv4 CIDR Block	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	-	1	April 16, 2019, 12:04	Modify Clone Delete
~		Allow	Customized TCP	80/80	IPv4 CIDR Block	0.0.0/0	-	1	April 16, 2019, 12:04	Modify Clone Delete
۲		Allow	All ICMP (IPv4)	-1/-1	IPv4 CIDR Block	0.0.0/0	-	1	April 16, 2019, 12:04	Modify Clone Delete
.∞ ●		Delete								

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

Add Security Group	Rule ⑦ Add security group rules	\times
NIC:	Internal Network	
Rule Direction:	Ingress v	
Action:	Allow	
Protocol Type:	Customized TCP 🔹	
* Port Range:	80/80	
Priority:	1	
Authorization Type:	IPv4 CIDR Bloc 🔻	
* Authorization Objects:	0.0.0/0	Tutorial
Description:		
	It can be 2 to 256 characters in length and cannot start with http:// or https://.	
	o	K Cancel

Creating an instance

FortiManager can be deployed in the following ways:

 Go to Alibaba Cloud > Marketplace and choose FortiManager. Click Choose Your Plan and continue from step 2 described below. • Create a deployment image as described in Creating the FortiManager 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*.

e.	Home									Message ⁹⁹⁺ 3illing Management Mor	e English	6
	Elastic Compute Serv	Summary						⑦ Operation rel	erence			Â
=			Inst	ances			Snapshots					- 8
_	Overview	Total	Running	Expire Soon	Expired	Snapshot Size		Total		Common Operation		- 8
v	Instances	0	0	0	0	0 GiB		0		Settings Pe	iding Tasks	11
٩	Reserved Instance new	My Resources				Enter search content	Son	create Instance	C	Privileges & Quota Management		1
0	S Auto Scaling	iny resources				Enter search concent	Jea	Chi Cheate Historice	2	Notifications		- 8
×	Ø Elastic Container In	US (Silicon Valley)			角	China (Hangzhou)			阃			- 8
* #	HPC Clusters Block Storage Disks Snapshots and Images	Elastic Compute Servic	.e O	Running 0 Recently Create Expire Soon 0 Empired 0	ed 0	Elastic Compute Service 0	• •	Running 0 Recently Created 0 Expire Soon 0		No notifications need to fo	llow.	
•	Snapshots Snapshot Chains Automatic Snapsho	Cl Di	0 Sn	0 Gi	Im 0	Cl Di 0	Sn 0 Gi	Im 0				
	Custom Images	China (Qingdao)			jē	China (Shanghai))m			
	Networks and Securi ENI Security Groups SSH Key Pair Deployment Sets	Elastic Compute Servic	.e 0	 Running 0 Recently Create Expire Soon 0 Expired 0 	ed 0	Elastic Compute Service 0	• © ©	Running 0 Recently Created 0 Expire Soon 0 Expired 0				
	© VPC	Cl Di	0 Sn	0 Gi	Im 0	Cl Di 0	Sn 0 Gi	Im 0				- 1
	Cloud Assistant											- 1
	Diagnosis	Singapore			j	China (Shenzhen))			
	Tags Tasks	Elastic Compute Servic	ce O	Running 0 Recently Create Expire Soon 0 Expired 0	ed 0	Elastic Compute Service 0	• © ©	Running 0 Recently Created 0 Expire Soon 0 Expired 0				Contact Us

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

Basic Custom								
ired) (2) N						Purchased h	istory 🗈 Buy Disk	 € Co
	letworking (Required)			System Configurations	Grouping		5 Preview (Requir	red)
Subscription Pay-As-You-Go	Preemptible Instance	0						
US West 1 (Silicon Valley) < tances in different regions cannot com	Random US West 1 2 nunicate through the intranet.	Cone B US Wes	1 Zone A	ers to reduce the latency.				
Optimized Instance ⑦ ⊽ vCPU	Select vCPU V	mory: Select me	√ Instanc	e Type: e.g. ecs.snine.large				٦,
rrent Generation All Generation:	s 1vCPU							
hitecture: x86-Architecture	Heterogeneous Computing	ECS Bare Metal Ir	stance					
tegory: General Purpose Co	ompute Optimized Mem	ory Optimized E	ig Data Lo	cal 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 sn	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 sn	2 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	
0	2 ers sn2 vlarne	8 vCPU	32 GIB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	1.5 Gbps	400,000 PPS	
	Subscription Pey As You Co US West 1 (discon Valey) ▼ ances in different regions cannol com openized Instance Openized Instance Constant Purpose Family © Network Enhanced sn2ne Network Enhanced sn2ne Network Enhanced sn2ne Compute Optimized Type sn © Compute Optimized Type sn	Subscription Pay AS-You Co Preemptible Instance US West 1 (Silcon Valley) Rarcom US West 12 US West 1 (Silcon Valley) Rarcom US West 12 Determine regions cannot communicable through the instance. Optimized Instance ① V_VCPU: Optimized Instance ① V_VCPU: Select VCPU/ V Merein Computing Optimized Instance. Optimized Instance ① V_VCPU: Select VCPU/ V Merein Computing Optimized Instance. Interface Instance ① V_VCPU: Select VCPU/ V Merein Computing Optimized Instance. Parmity Heterogeneous Computing Optimized Instance. Merein Computing Optimized Instance Type Merein Computing Optimized Instance Type ③ Network Enhanced Instance GiscEne ecis.sn2he.slags@ Network Enhanced Instance ecis.sn2he.slags@ Network Enhanced Instance ecis.sn2he.slags@ ○ Network Enhanced Instance ecis.sn2he.slags@ Giscentration Type Instance Sn2herge ○ Compute Optimized Type Instance ecis.sn2he.slags@ Giscentration Type Instance ○ Compute Optimized Type Instance ecis.sn2he.slags@ Giscentration Type Instance ○ Compute Optimized Type Instance ecis.sn2he.slags@ Ecis.sn2he.slags@	Subscription Pay 46 You CO Preemptible Instance [®]	Subscription Per As You Co Preemptible Instance US West 1 (Salcon Valley) ∨ Readon US West 1 Zone B US West 1 Zone A LS West 1 (Salcon Valley) ∨ Readon US West 1 Zone B US West 1 Zone A cances In different regions cannot communicate through the initiands. Exelect the region nearest to your candom Optimized Instance ① ♡ vCPU: Select VCPU ∨ ♡ Memory: Select me ∨ ♡ Instance rest Cancer and Computing CS Bare Menal Instance All Generations 1 vCPU Instance Type VCPU 2: Memory 2: Sol Matoria, Enderson and Computing ECS Bare Menal Instance Big Data Lon Family Instance Type vCPU 2: Memory 2: Sol Matoria, Enhanced strating 2: vCPU 8: GB Network, Enhanced strating ecs.sm2nine.alagin 2: vCPU 8: GB Network, Enhanced strating ecs.sm2nine.alagin 12: vCPU 4: GBB Ompute Optimized Type strating 6: vCPU 16: GB Network, Enhanced strating ecs.sm2nine.alagin 12: vCPU 4: GBB Ompute Optimized Type strating ecs.sm2nine.alaging 12: vCPU 4: GBB Ompute Optimized Type strating ecs.sm2nine.alaging 12: vCPU 4: GBB Ompute Optimized Type strating <td>Subscription PryAch You Go Preemptible Instance Subscription PryAch You Go Preemptible Instance Subscription Provide Provi</td> <td>Subcorgental Payrole Yano California Payrole Yano Payrole</td> <td>Buccorgent Per ydd Ybor O Per wenptible instance Stacker Stacker US West 1 Zore A US West 1 Zore A Stacker US West 1 Zore A US West 1 Zore A Cancer Compute Comp</td> <td>Backergentan Perspektive traitance Perspektive traitance Perspektive traitance</td>	Subscription PryAch You Go Preemptible Instance Subscription PryAch You Go Preemptible Instance Subscription Provide Provi	Subcorgental Payrole Yano California Payrole Yano Payrole	Buccorgent Per ydd Ybor O Per wenptible instance Stacker Stacker US West 1 Zore A US West 1 Zore A Stacker US West 1 Zore A US West 1 Zore A Cancer Compute Comp	Backergentan Perspektive traitance Perspektive traitance Perspektive traitance

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

					Q Billing M	anagement Enterprise More	탄 다 떠 Eng	iisn 🧯
stic Compute Service (ECS)	Quick Launch Custom Launch					V. Purcha	ese History 📄 Buy Disk	← Cons
Basic Configurations (Require	red) 2 Networking (Required)			3 System Configurations	(4) Grouping		- 5 Preview (Required))
	Enhanced Network Performance ecs.sn2ne.2xlarge sn2ne	8 vCPUs	32 GIB	Intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	2 Gbps	1000,000 PPS	Т
	General Purpose Type with Enhanced Network Performance ecs.sn2ne.3xlarge sn2ne	12 vCPUs	48 GiB	intel Xeon E5-2682v4 / Intel Xeon(Skylake) Platinum 8163	2.5 GHz	2.5 Gbps	1300,000 PPS	L
	General Purpose Type sn2 ⑦ 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	1.0
	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	. 5
	Purchased instances: 1 Units 95 VCPUs ha	ave been enabled, and	505 more vCPUs	s can be enabled. The selected instance type occupies 2 vCPUs. You	u can create a maximum of 252 more ECS	instances.		
📑 Image *	Public Image Custom Image Shared Image Fotos CS Instances created in this region do not allow the switch of OS between	Marketplace Image	©	can be enabled. The selected instance type occupies 2 vCPUs . You	u can create a maximum of 252 more ECS	instances.		
Image *	Public Image Custom Image Shared Image forties CGS Instances created in this region do not allow the switch of GS between System Disk. Utra Disk. 40 GIB	Marketplace Image	305 more vCPUs	can be enabled. The selected instance type occupies 2 vCPUs . You	a cen create a maximum of 292 more ECS	instances.		
Image	Public Image Cuntum Image Shared Image Fatton A Control Integer Cuntum Image Shared Image Fattons CG Instances created in this region do not allow the switch of CG between Instances Call Image Culture Disk. 40 GB Utra Disk Utra Disk. 40 GB Utra Disk Utra Disk. 40 GB	we been enabled, and Marketplace Image	S05 more vCPUs	can be enabled. The selected instance type occupies 2 vCPUs . You	a cen create a maximum of 292 more ECS	instances.		_
Image * Storage Disk specifications and performance	Public Image Custom Image Bhared Image fortions v 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	we been enabled, and Marketplace Image In Linux and Windows Ik here-	305 more vCPUs	can be enabled. The selected instance type occupies 2 vCPUs . You	i can create a maximum of 292 more ECS	instances.		
Image * Storage Disk specifications and performance	Public Image Custom Image Bhared Image Fublic Image Custom Image Bhared Image Fortics CS Instances created in this region do not allow the switch of OS between System Disk Utha Disk 40 GB 2120 IDPS Gr more information about how to select SSDs, utha disks, and disks, clid base Disk 1/16	we been enabled, and Marketplace Image In Linux and Windows.	505 more vCPUs	can be enabled. The selected instance type occupies 2 vCPUs . You	u can create a maximum of 292 more ECS	instances.		_
Image	Public Image Custom Image Bhared Image Custom Image Bhared Image Custom Image Bhared Image Cost Image Custom Image Cost I	we been enabled, and Marketplace Image In Linux and Windows.	305 more vCPUs] ⑦	can be enabled. The selected instance type occupies 2 vCPUs . You	i can create a maximum of 292 more ECS	instances.		

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*.

Home			Q. Message	998 Billing Management	More English
stic Compute Service (ECS	S) Basic Custom			Purchased history	🗈 Buy Disk 🖝 Con
Basic Configurations (Ref	quired) 2 Networking (Required)	3 System Configurations	Grouping	(5) Pre	eview (Required)
Network How to Select a Network	VICC Image:	V Private IP Addresses Available: 65529,	VSwitch: fmg/dwitch/vsw-rj01ejbraw64sce6524ir9		
	VSwitch Zone: US West 1 Zone A (24)		VSwitch CIDR Block: 10.0.0.0/16		ŗ
(+) Network Billing Method • Bandwidth Pricing	Assign public IP With this box checked; the system will automatically assign a public Pay by turke ③ With Pay-by Traffic (traffic in GB), bandweth usage is billed on 20M 20M 20M 70M 20M 20M 70M 20M 20M 70M You can sharpe the strategy of malicious traffic attack protection for free Learn me You can sharpe this instance's network usage to an existing Data Transfer plan. You can be	IIIC P address to your instance, and it will be accessible from the inte an hourly basis. Please make sure that your default payment metho 	met. If you would like to use an existing effactic IP address (EIP), Click here to find out I d is valid.	ow to bind an EIP to your instanc	
Security Group Security Group Limitations Security Group Configurations	Reselect Security Group ③ A security group is similar to a frewall, it is used to Security Group: Img all / sqrt92m1jur(P)(dis(4)46((Instances 3, can still add 1997)) Ensure your security group includes open port 22 (Linux) or 3389 (Windows), otherwise,	to control connection requests. Go to the Security Groups page to se	e an overview. Create Security Group> Applicable Scientifics>		
© Elastic Network Interface	eth0: Default DN VSimith: fingsduitch 🗸 Ad	ato Assign IP Addresses $\checkmark Release with Instance$			
Jandwidth: 5Mbps Pay-By-Traffic	Total: \$ 0,124 USD per Hour + Public traffic fee: (0 \$ 0.077 USD)	per GB	Prev: Basic Configurations	Next: System Configura	tions Preview

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

Compute Service	ECS) Basic Custom				Purchased history 🗈 Buy Disk
Basic Configurations	(Required)		3 System Configurations	(4) Grouping	5 Preview (Required)
Log on Credentials :	Key Pair Inherit Passw Use the password pre-configured in	ord From Image O Password O Set Later In the image of your selection. For a secure access, make i	sure that the selected image has password configured.		
Instance Name:	fortialiyun	The name can be 2 to 128 c	haracters in length and can contain letters, Chinese characters, numbers, 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	20 Control of the same can be ? to \$4 observators in length 1	r one contain assured ecomments delimited by nariadie (). Each ecomment one occ	ntsia unaanaaa lattare lauaranaa lattare numbare or hunbare. Soob	exament expect contrin continuous periods or humbers. The party
	cannot start or end with a period o	r hyphen. The new hostname will take effect after the inst	ance restarts.	павн орренсаве лецена, коненсаве текена, кыписта, от туритела. Цасин	азулнень саллот солтант сонтялоров репова от турлена. Тле наг
Sequential Suffix:	Add Sequential Suffix to Insta Sequential suffixes can be from 00	nce Name and Host Name 11 to 999. For example: LocalHost001, LocalHost002 or M	yinstance001, Myinstance002.		
nce Deletion Protect	0 Prevent users from relea	using the instance inadvertently by using the console or Al-	PI (7)		
dvanced (based on insta	nce RAM roles or cloud-init)				

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

Home		Q. Messag	e ⁹⁹⁺ Billing Management	More English 🥘
Elastic Compute Service (EC	SS) Basic Custom		Purchased history	🗎 Buy Disk 🕂 Console
Basic Configurations (R	kequired) — O Networking (Required) — O System Configurations —	4 Grouping	(5) Pre	view (Required)
🐞 Tags	Tags are control by upper and lowercase key values. For example, you can add a tag with the key as "Name" and the value 'Weboarver' Tag keys must be unique and cannot encoded 64 characters. Tag values can be black and cannot encoded 128 characters. Tag key and tag value cannot include 'Albaba cloud' or start with "http You can create up to 20 tags, these tags will be applied to all the instances and disks created. Add Tag	bs://" or "http://"		
99 Deployment Set	Select a displayment set Viou can go to the console to manuage the displayment set.			
				Contact Us
Bandwidth: 5Mbps Pay-By-Traffic	Totat: \$ 0.124 USD per Hour + Public traffic fee: () \$ 0.077 USD per GB	Prev: System Co	nfigurations Next: Pre	view Preview

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

Basic Configurations	(Required)	System Configurations	Grouping	uired)
Configurations	Basic Configurations 🔽			
selected	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-i9mtrml72q8z6qiybd1a Security Group: fmg-all/sg-i92w1iug9gidaj4dy6t	VSwitch: fmgvSwitch/ vaw-tj91ejbrawf4xce6324h9/ 10.0.0.0/16	
	System Configurations	,		
	Log on Credentials : Inherit Password From Image	Instance Name : fortimanageraliyun	Host : fortimanagerallyun	
	Save as launch template ⑦ View Open API ⑦			
automatic Release	Auto Release Schedule			
	This ECS instance will be released at the scheduled time			
g Terms of Service	ECS Service Level Agreement and Product Terms of Service			

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

×

Activated		
The instance takes about 1-5 to continue buying or Go to Co	minutes to be cre onsole to manage	eated. Click Back e instances.
	Back	Console
Alibaba Cloud can provide you with mo services. See the following documenta	ore preferential ar ation:	nd flexible cloud
Auto Scaling Service> No fees for stopped instances(VPC-Cc Switch from Pay-As-You-Go to subscrij Change configurations of Pay-As-You- Change EIP Internet bandwidth>	onnected)> ption> Go instances>	

Connecting to the FortiManager-VM

To connect to the FortiManager-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 FortiManager-VM:

- 1. Click the FortiManager 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 FortiManager instance.

- 4. Enter the following information, and press Enter:
 - Login: admin
 - Password: Paste the instance ID from the clipboard. You are logged into the FortiManager GUI.
- **5.** Change your password by following the prompts.

Security Fabric connector integration with AliCloud

You can use FortiManager to create a Fabric connector for AliCloud, and then install the Fabric connector to FortiOS.

FortiManager Fabric connectors define the connector type and include information for FortiOS to communicate with and authenticate with the products. In some cases the FortiGate must communicate with products through the Fabric connector, and in other cases the FortiGate communicates directly with the products.

FortiOS works with the Fabric connector to communicate with AliCloud.

For information about Fabric connector, see the Fortinet Document Library.



You cannot import a policy package for the Fabric connector from FortiOS to FortiManager.

Following is an overview of creating Fabric connectors for AliCloud using FortiManager:

- 1. Create a Fabric connector object for AliCloud. See Creating Fabric connector objects for AliCloud on page 21.
- Import address names from Azure to the Fabric connector. See Importing address names to a Fabric connector on page 22. FortiManager imports the address names and converts them to dynamic firewall address objects. The objects do not include IP addresses and display in *Firewall Objects > Addresses*.
- **3.** In the policy package in which you will be creating the new policy, create an IPv4 policy and include the firewall address objects for AliCloud. See Creating an IP address policy on page 22.
- **4.** Install the policy package to FortiGate. See Installing policy packages on page 23. FortiGate communicates with AliCloud to dynamically populate the firewall address objects with IP addresses.

Creating Fabric connector objects for AliCloud

With FortiManager, you can create a Fabric connector for AliCloud and import address names from AliCloud to automatically create dynamic objects that you can use in policies. When you install the policies to one or more FortiGates, FortiOS uses the information and the Fabric connector to communicate with AliCloud and dynamically populate the objects with IP addresses.

When you create a Fabric connector for AliCloud, you specify how FortiOS can communicate with AliCloud through the Fabric connector. As a result, you are configuring communication and authentication information for the Fabric connector.

If you enable ADOMs, you can create multiple Fabric connectors per ADOM. However, each Fabric connector requires a unique IP address.

This configuration requires the following:

- FortiManager with ADOM 6.4 or later. The method that this topic describes for creating Fabric connectors requires ADOM version 6.4 or later.
- FortiManager is managing the FortiGate.
- You have configured the managed FortiGate to work with AliCloud.

To create a Fabric connector for AliCloud:

- 1. Go to Fabric View > Fabric Connectors.
- 2. Click Create New. The Create New Fabric Connector wizard displays.
- 3. Under SDN, select Alibaba Cloud Service, and click Next. The Alibaba Cloud Service screen displays.
- 4. Configure the following options, and then click OK:

Name	Enter a name for the Fabric connector object.
Туре	Displays Alibaba Cloud Service (ACS).
AccessKey ID	Specify the Fabric connector access key ID.
AccessKey Secret	Specify the Fabric connector access key secret.
Region ID	Specify the Fabric connector region ID.
Update Interval (s)	 Specify the update interval for the Fabric connector. Select one of the following options: Use Default to use the default interval. Specify and specify the interval.
Status	Toggle <i>On</i> to enable the Fabric connector object. Toggle <i>OFF</i> to disable the fabric connector object.

Importing address names to a Fabric connector

After you configure a Fabric connector, you can import dynamic objects from cloud platforms, such as AliCloud, to the Fabric connector, and dynamic firewall address objects are automatically created.

To import address names for AliCloud:

- 1. Go to Policy & Objects > Object Configurations.
- 2. Go to Security Fabric > Fabric Connectors.
- **3.** In the content pane, right-click the AliCloud Fabric connector, and select *Import*. The *Import SDN Connector* dialog displays.
- **4.** Select the address names, and click *Import*. FortiManager imports the address names and converts them to dynamic firewall address objects that display on the *Firewall Objects > Addresses* pane.

Creating an IP address policy

The section describes how to create new IPv4 and IPv6 policies.

IPv6 security policies are created both for an IPv6 network and a transitional network. A transitional network is a network that is transitioning over to IPv6, but must still have access to the Internet or must connect over an IPv4 network. IPv6 policies allow for this specific type of traffic to travel between the IPv6 and IPv4 networks.



On the *Policy & Objects* tab, from the *Tools* menu, select *Display Options*. In the *Policy* section, select the *IPv6 Policy* checkbox to display this option.

To create a new IPv4 or IPv6 policy:

- **1.** Ensure that you are in the correct ADOM.
- 2. Go to Policy & Objects > Policy Packages.
- **3.** In the tree menu for the policy package in which you will be creating the new policy, select *IPv4 Policy* or *IPv6 Policy*. If you are in the Global Database ADOM, select *IPv4 Header Policy*, *IPv4 Footer Policy*, *IPv6 Header Policy*, or *IPv6 Footer Policy*.
- 4. Click *Create New*, or, from the *Create New* menu, select *Insert Above* or *Insert Below*. By default, policies will be added to the bottom of the list, but above the implicit policy. The *Create New Policy* pane opens.

Create New IPv4 Policy		
Name		
Incoming Interface	⊕ any	8
Outgoing Interface	⊕ any	8
Source Internet Service	OFF	
Source Address	♦ all	8
Source User	+	
Source User Group	+	
Source Device	+	
Destination Internet Service	OFF	
Destination Address	⊕ all	8
Service	♦ ALL	0
Schedule	✿ always	8
Action	Deny Accept IPSEC	
Log Traffic	✓ Log Violation Traffic	
	Generate Logs when Session Starts	
Comments		
Meta Fields >		.d

- 5. Complete the options.
- 6. Click OK to create the policy.

You can select to enable or disable the policy in the right-click menu. When disabled, a disabled icon will be displayed in the *Seq.#* column to the left of the number.

Installing policy packages

When installing a policy package, objects that are referenced in the policy will be installed to the target device. Default or per-device mapping must exist or the installation will fail.



Some objects that are not directly referenced in the policy will also be installed to the target device, such as FSSO polling objects, address and profile groups, and CA certificates.

To install a policy package to a target device:

- **1.** Ensure you are in the ADOM that contains the policy package.
- 2. Go to Policy & Objects > Policy Packages.
- 3. Select a policy package and from the *Install* menu or right-click menu select *Install Wizard*. The *Install Wizard* opens.
- 4. Follow the steps in the install wizard to install the policy package. You can select to install policy package and device settings or install the interface policy only.

Change log

Date	Change Description	
2020-04-09	Initial release.	





Copyright© 2020 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiGare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., in the U.S. and other jurisdictions, and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. In no event does Fortinet make any commitment related to future deliverables, features or development, and circumstances may change such that any forward-looking statements herein are not accurate. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.