Elastic Cloud Server

Getting Started

 Issue
 01

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Purchasing and Using a Linux ECS (New Edition)

Scenarios

Elastic Cloud Server (ECS) is a cloud server that provides scalable, on-demand computing resources, including vCPUs, memory, OS, and Elastic Volume Service (EVS) disks. After purchasing an ECS, you can use it like using your local computer or physical server.

You can create an ECS by specifying its vCPUs, memory, OS, flavor, and login mode.

This section uses the following configuration as an example to describe how to purchase and use an ECS:

- Quantity: 1
- Billing mode: yearly/monthly
- Flavor: s7n.xlarge.2 (4 vCPUs | 8 GiB of memory)
- OS: Linux
- Login mode: key pair

Procedure

Step	Description
Preparations	Sign up for a HUAWEI ID, enable Huawei Cloud services, complete real-name authentication, top up your account, and create resources such as VPCs, subnets, security groups, and key pairs.
Step 1: Purchase an ECS	Set parameters about the basic configuration, instance, OS, storage & backup, network, and other configurations to purchase a Linux ECS.
Step 2: Log In to an ECS	Use PuTTY and a key pair to log in to an ECS.

Step	Description
Step 3: Use an ECS	Perform operations on an ECS.

Preparations

 Sign up for a HUAWEI ID and complete real-name authentication.
 Before purchasing an ECS, sign up for a HUAWEI ID and enable Huawei Cloud services and complete real-name authentication first.

If you have enabled Huawei Cloud services and completed real-name authentication, skip this step.

2. Top up your account.

Ensure that your account has sufficient balance. If not, top up your account.

3. Plan network resources, such as VPCs and subnets.

When you are purchasing an ECS, the system creates a default VPC (vpc-default) and subnet (subnet-default).

If you do not want to use the default VPC and subnet, you can create a VPC and subnet in the corresponding region in advance. For details, see VPC and Subnet Planning.

4. Create a security group and add rules to it.

When you are purchasing an ECS, the system creates default security groups (default, Sys-WebServer, and Sys-FullAccess). For details about default security groups, see **Default Security Groups and Rules**.

If the default security groups and rules cannot meet your service requirements, you can modify them. For details, see **Configuring Security Group Rules**.

5. Create a key pair.

To log in to the ECS using a key pair, **create one on the management console**.

Step 1: Purchase an ECS

The following is an example for your reference. For more details, see **Purchasing an ECS**.

- 1. Log in to the management console and go to the **ECS console**.
- 2. Set **Basic Configuration**.

Figure 1-1 Basic configuration

Basic Configuration
Billing Mode 💮
Yearly/Monthly Pay-per-use Spot pricing
Region 🕜
♥ CN-Hong Kong ∨
Once ECSs are created, the region cannot be changed. Resources in different regions cannot communicate with each other over an intranet. To reduce network latency, select the region nearest to your target users Learn how C to select a region.
AZ ()
Random AZ3 AZ7 AZ2 AZ1
Randomly allocated to multiple AZs

Parame ter	Example	Description
Billing Mode	Yearly/Monthly	Select the yearly/monthly billing mode. You pay in advance for a subscription term, and in exchange, you get a discounted rate. Ensure that you have a top- up account with a sufficient balance or have a valid payment method configured first. For details, see Billing Overview .
Region	CN-Hong Kong	For lower network latency and faster resource access, select the region nearest to your target users. After an ECS is purchased, the region cannot be changed. Exercise caution when selecting a region. For details, see Region and AZ .
AZ	Random	After you select a random AZ, the system will select a default AZ based on your Universally Unique Identifier (UUID). The AZ of a purchased ECS cannot be changed.

Table 1-1 Basic configuration parameters

3. Set Instance.

Figure 1-2 Instance

Instance							
By Type By Scenario							
CPU Architecture ③							
x86 Kunpeng							
FlexusX launch: Flexible cor	mpute with 6x the performance	and a superlative experience, su	uitable for general work	loads in tech, retail, finance, and gar	ning industries. Buy FlexusX Inst	tance 🕑	
Search Filters ①							
-Select vCPUs- V	-Select Memory-	Enter a keyword for	or fuzzy search.	۵ و	Only show latest generation	 Hide sold-out specifications 	
General computing-plus	General computing	Memory-optimized	Large-memory	High-performance computing	Disk-intensive	Ultra-high I/O GPU-accelerate	d
General computing-basic							
EC S Type	Flavor Name	vCPUs 🔶	Memory 🖯	CPU 🕀	Assured / Maximum Bandwi	dth 💿 Packets Per Second 💿 🖯	IPv6
General computing s7n	s7n.large.2	2 vCPUs	4 GIB	Intel Ice Lake 2.6GHz	0.2 / 1.5 Gbit/s	150,000 PPS	No
General computing s7n	s7n.large.4	2 vCPUs	8 GIB	Intel Ice Lake 2.6GHz	0.2 / 1.5 Gbit/s	150,000 PPS	No
 General computing s7n 	s7n.xlarge.2	4 vCPUs	8 GIB	Intel Ice Lake 2.6GHz	0.35 / 2 Gbit/s	250,000 PPS	No
General computing s7n	s7n.xlarge.4	4 vCPUs	16 GiB	Intel Ice Lake 2.6GHz	0.35 / 2 Gbit/s	250,000 PPS	No
General computing s7n	s7n.2xlarge.2	8 vCPUs	16 GiB	Intel Ice Lake 2.6GHz	0.75 / 3 Gbit/s	500,000 PPS	No
General computing s7n	s7n.2xlarge.4	8 vCPUs	32 GiB	Intel Ice Lake 2.6GHz	0.75 / 3 Gbit/s	500,000 PPS	No
Selected specifications General of	computing s7n.xlarge.2 4 v	CPUs 8 GIB					

Table 1-2 Instance parameters

Parame ter	Example	Description
Search Filters	s7n.xlarge.2	Select appropriate specifications based on service requirements. For details, see A Summary List of x86 ECS Specifications.

4. Set **OS**.

Figure 1-3 OS

os									
Image ③									
Public image Private image	Shared image Marke	etplace image							
Husmei Cloud EulerOS	Ubuntu EulerOS	() Debian	(DenSUSE	Fedora	AlmaLinux	OS Rocky Linux	OS CentOS Stream	CoreOS	openEuler
Other									
CentOS 7.9 64bit(40 GiB)	~ 0	a							
Host protection (HSS) ③ HSS provides you with a range of security function	ons, such as risk prevention, intrusion o	detection, advanced pr	rotection, security ope	erations, and web pag	je tampering.				
Basic Edition Basic Enterprise Premium Web Tamper Protection (WTP) Basic protection, such as weak password and vulmerability detection Basic protection, such as weak password and vulmerability detection Premium Web Tamper Protection (WTP)					P) Vebsite				
One-month free trial	One-motify free trial Savings for a yearly package: 330 USD USD (updatmonth LE USD (updatmonth </td <td>E \$300 U</td>			E \$300 U					
Centrol 7.9 44bit(40 0B) Host protection (HSS) ③ Host protection (HSS) ④ Host protection (HSS) ④ Basic protection, such as weak password and vulnerability detection One-month free triat Hypou do not renew the subscription after the one	such as risk prevention, infrusion of Basic Basic protection, such as weak p and vulnerability detection Savings for a yearly package: s will USD (quotalmonth -month free triat, HSS will be automatis -	C detection, advanced pr bassword is USD icatly unsubscribed.	terprise terprise nerability patches, vir avings for a yearly pa 2 USD /quota/month	erations, and web pag rus scan and rckage: \$28 USD	Premium Enterprise editic Ransomware pr Savings for a y	in functions + otection rearly package: \$35 U /month	Web Tan Premium tamper p Saving: DSD Saving: US	nper Protection (WT edition functions + V rotection s for a yearly package D /quota/month	P) Vebsite X: \$300 U

Table 1-3 OS parameters

Parame ter	Example	Description		
Image	CentOS 7.9 64bit (40 GiB)	Select a free public Linux image provided by Huawei Cloud.		

Parame ter	Example	Description
Host protecti on (HSS)	Basic Edition	HSS Basic Edition is free for one month. It provides functions such as weak password and vulnerability detection. For details, see HSS .

5. Set Storage & Backup.

Figure 1-4 Storage & backup

Storage & Backup
System Disk ⊘
Disk Type System Disk (GiB)
General Purpose SSD v - 40 +
IOPS limit: 2,280, IOPS burst limit: 8,000 Advanced Options
+ Add Data Disk
Disks you can still add: 23
Senable backup
CBR backups can help you restore data in case anything happens to your ECSs. To ensure data security, you are advised to use CBR.
Cloud Backup and Recovery ⑦
Create new Use existing
Vault Name
vault-eb70
Capacity
- 80 + Gib v
To ensure continuity, it is recommended that the vault space be greater than or equal to the space of the server to be backed up.
Backup Policy
defaultPolicy Enabled Automatically perform weekly full backups at 06 🗸 Q Create Backup Policy 🖸

 Table 1-4 Storage & backup parameters

Parame ter	Example	Description	
Disk Type	General Purpose SSD	A system disk will be automatically created and initialized upon ECS creation. It stores the OS of an ECS. For details, see EVS Overview .	
System Disk (GiB)	40		
(Option al) Enable backup	 Vault Name: vault-eb70 Capacity: 80 GiB Backup Policy: defaultPolicy 	CBR lets you restore data to any point in the past if there is a virus attack, accidental deletion, or software or hardware fault. For details, see CBR Overview.	

6. Set Network.

Figure 1-5 Network

Network	
VPC	
vpc-default(192.168.0.0/16)	Q Create VPC 🖸
Primary NIC (?)	
subnet-default(192.168.0.0/24)	Automatically assign IP address V Q Available private IP addresses: 250
Add Extension NIC	
NICs you can still add: 1	
Source/Destination Check ⑦	

Table 1-5 Network parameters

Parame ter	Example	Description
VPC	VPC: vpc-default	Select the default VPC and subnet.
Primary NIC	 Primary NIC: subnet- default Automatically assign IP address 	For details, see VPC and Subnet Planning .
Source/ Destina tion Check	Enable	By default, Source/Destination Check is enabled. When this function is enabled, source IP addresses in the outbound packets will be checked. If the IP addresses are incorrect, the packets will not be sent out.

7. Set Security Group.

Figure 1-6 Security group

Securi	ty Group								
Security	Group ③								
defaul	t(6b54e7e9-30a2-4440-b9	4e-168dae9f0bcf) ×	~ Q Cre	ate Security Group	5				
Ensure	that the selected security g	roup allows access to port 22	(SSH-based Linux login), 338	9 (Windows login),	and ICMP (ping op	eration). Configure Security	Group Rules 🕑		
Security	Group Rules								
Selecte	d security groups(1)		Inbound Rules Outbound	Rules					
	Security Group Name	Organize	Security Group Name	Priority	Action	Protocol & Port (?)	Туре	Source ()	Description
1	default	Down Up		1	Allow	TCP: 3389	IPv4	192.168.0.1/32	Permit default Windows remote
defa		dafasil	1	Allow	TCP: 22	IPv4	192.168.0.1/32	Permit default Linux SSH port.	
		Geradit	100	Allow	All	IPv4	default		
				100	Allow	All	IPv6	default	

Table 1-6	Security	group	parameters
-----------	----------	-------	------------

Parame ter	Example	Description
Security Group	default	Select the default security group. For details, see Security Group Overview .

8. Set Public Network Access.

Figure 1-7 Public network access

Public Network Acce	955				
EIP 💿					
Auto assign	Use existing	Not required			
EIP Type 🧿					
Dynamic BGP	Premium BGP				
⊘ Greater than or equal	to 99.95% service avail	ability rate			
Billed By 🧿					
Bandwidth 🖕 For heavy/stable	traffic	Traffic For light/sh	arply fluctuating traffic	Ц. С	Shared bandwidth For staggered peak hours
Billed based on usage du	ration and bandwidth si	ze.			
Bandwidth Size					
1 2	5 10	100	200 -	5 +	Enter an integer from 1 to 500.
Anti-DDoS protection	ee				

Table 1-7 Public net	work access parameters
----------------------	------------------------

Parame ter	Example	Description
EIP	Auto assign	Purchase an EIP and bind it to the
EIP Type	Dynamic BGP	For details, see EIP Overview .
Billed By	Bandwidth	
Bandwi dth Size	5 Mbit/s	

9. Set Instance Management.

Figure 1-8 Instance management



Parame ter	Example	Description
ECS Name	ecs-example	Specify an ECS name based on naming rules.
Login Mode	Key pair	Select the key pair login mode.
Key Pair	KeyPair-4f7f	You can use an existing key pair or create another one. Ensure that you have obtained the private key. For details, see Creating a Key Pair on the Management Console .
Enterpri se Project	default	This parameter is displayed only when you use an enterprise account to purchase an ECS. It enables unified management of cloud resources by project.

Table 1-8 Instance management parameters

10. Set Advanced Settings.

Figure 1-9 Advanced settings

Advanced Settings
✓ Detailed monitoring Free ⑦
Enable 1-minute fined-grained monitoring of ECS metrics, such as CPU, memory, network, disk, and process.
ECS group ⑦
An ECS group allows ECSs within the group to be automatically allocated to different hosts. To improve service reliability, select an ECS group.
ECS Description
0/85 %
User Data 💿
As text As file Learn how 🕜 to run a script
Inject user data by entering the text.
Enter the data.
0/32,768 *
Windows ECSs support bat and PowerShell scripts. For more formats, see cloudBase-init 🕐.
Linux ECSs support shell and Python scripts. For more formats, see cloud-init C.
Agency 🧿
-Select V Q Create Agency 🖸

Table 1-9 Advanced settings

Parame ter	Example	Description
Detaile d monitor ing	Enable	Detailed monitoring is enabled by default. It enables 1-minute fine- grained monitoring of ECS metrics, such as vCPUs, memory, network, disks, and processes. For details, see Monitoring ECSs .

11. Set Purchase Details.

Figure 1-10 Purchase details



Table 1-10 Purchase details

Parame ter	Example	Description
Require d Duratio n	1 month	Specify the ECS required duration, from one month to one year.

Parame ter	Example	Description
Quantit y	1	To ensure effective resource usage, an upper limit is set on the ECSs to be created. If the number of ECSs you need exceeds the upper limit, increase the quota.

12. In the **Configuration Summary** panel on the right side, confirm the ECS details.

Figure 1-11 Configuration summary

Configuration Summary

Save as Launch Template

Basic Configuration Billing Mode: Yearly/Monthly Region/AZ: CN-Hong Kong | Random

Instance Flavor: General computing | s7n.xlarge.2 | 4 vCPUs | 8 GiB

OS

Image: CentOS 7.9 64bit Host Security: Basic edition enabled One-month free trial

Storage & Backup System Disk: General Purpose SSD, 40 GiB Backup: vault-eb70 | 80 GiB | defaultPolicy | Enabled

Network

VPC: vpc-default(192.168.0.0/16) Primary NIC: subnet-default(192.168.0.0/20) Source/Destination Check: Enable

Security Group default

Billed By EIP: Dynamic BGP | Bandwidth | 5 Mbit/s

Instance Management ECS Name: ecs-example Login Mode: Key pair | KeyPair-4f7f Enterprise Project: default Tag: --

- 13. Read and select the agreement, and click Submit.
- 14. Pay for the order.
- 15. Go back to the ECS list and view the purchased ECS.

Figure 1-12 Viewing the purchased ECS

Name/ID 🕀	Monito	Sec	Status 🖯	AZ 🖯	Specifications/Image ⊖	OS Type ⊖	IP Address \varTheta	Billing Mode	Tag \varTheta	Operation
ecs-example 644c4bcb-7512-4f06-b	•	٠	🕤 Running	AZ7	4 vCPUs 8 GiB s7n.xlarge.2 CentOS 7.9 64bit	Linux	(EIP) 5 M 192.168.0.20 (Private I	Yearly/Monthly 31 days until expiration	-	Remote Login More ~

Step 2: Log In to an ECS

The following shows how to use PuTTY and a key pair to log in to an ECS from a local Windows server. For more login methods, see Login Overview (Linux).

1. On the local Windows server, download PuTTY and PuTTYgen and run PuTTYgen from the following:

https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

NOTE

PuTTYgen is a key generator, which is used to create a key pair that consists of a public key and a private key for PuTTY.

When you use PuTTY to log in to an ECS, the private key file must be in .ppk format, but the private key file generated from the console is in .pem format. You need to convert its format using PuTTYgen.

- 2. Convert the format of the private key file to the .ppk format.
 - a. Run PuTTYgen.
 - In the Actions area, click Load and import the private key file set in 9.
 Ensure that the format of All files (*.*) is selected.

Key Lony	ersions Help			
, Key Conv	ersions neip			
Vey				
No key.				
Actions				
Actions Generate a public	:/private key pair			Generate
Actions Generate a public Load an existing r	:/private key pair private key file		ſ	Generate
Actions Generate a public Load an existing p	:/private key pair private key file		[Generate Load
Actions Generate a public Load an existing p Save the generat	:/private key pair private key file ed key		Save public key	Generate Load Save private key
Actions Generate a public Load an existing p Save the generat Parameters	:/private key pair private key file ed key		Save public key	Generate Load Save private key
Actions Generate a public Load an existing p Save the generat Parameters Type of key to ge	:/private key pair private key file ed key merate:		Save public key	Generate Load Save private key
Actions Generate a public Load an existing p Save the generat Parameters Type of key to ge	:/private key pair private key file ed key inerate: O DSA	○ ECDSA	Save public key	Generate Load Save private key O SSH-1 (RSA)

Figure 1-13 Importing the private key file

- c. In the **Actions** area, click **Save private key** to save the converted private key locally.
- 3. Log in to the ECS using PuTTY.
 - a. Double-click **PUTTY.EXE**. The **PuTTY Configuration** dialog box is displayed.
 - b. Choose **Session** and enter the EIP bound to the ECS for **Host Name (or IP address)**.

Session	Basic options for your Pu	TTY session
Logging	Specify the destination you want to	connect to
Terminal	Host Name (or IP address)	Port
		22
- Features Window	Connection type: Raw Telnet Rlogin	SSH O Serial
Appearance Behaviour Translation Selection	Load, save or delete a stored sessi Saved Sessions	on
Colours	Default Settings	Load
Data		Save
Proxy Telnet Rlogin ⊕ SSH Serial		Delete
	Close window on exit:	ily on clean exit

Figure 1-14 Configuring the EIP

c. Choose **Connection** > **Data**. Enter the image username in **Auto-login username**.

- Session	Data to	Data to send to the server				
Logging	Login details					
- Terminal - Keyboard	Auto-login usemame					
- Bell - Features	When username is not Prompt O Use s	When username is not specified: Prompt Use system username (Administrator)				
Window Annearance	Terminal details					
- Behaviour	Terminal-type string	xtem				
Translation Selection	Terminal speeds	38400,38400				
Colours	Environment variables					
Data	Variable	Add				
- Proxy	Value	Remove				
Serial Telnet Rlogin SUPDUP						

Figure 1-15 Entering the username

NOTE

When you log in to an ECS using an SSH key:

- The image username is core for a CoreOS public image.
- The image username is **root** for a non-CoreOS public image.
- d. Choose Connection > SSH > Auth > Credentials. In the configuration item Private key file for authentication, click Browse and select the private key converted in step 2.

- Window	^	Credentials to authenticate with
- Appearance		Public-key authentication
- Behaviouro		Private key file for authentication:
		Browse
Colours		Certificate to use with the private key (optional):
E Connection		Browse
Host keys Cipher Auth <mark>Credent</mark>		
GSSAP - TTY - X11	1	
- Tunnels - Bugs		

Figure 1-16 Importing the private key file

e. Click **Open** to log in to the ECS.

Step 3: Use an ECS

After purchasing an ECS, you can build websites or applications on the ECS and manage the ECS.

Table 1-11	Common	ECS operations	,
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Operation Type	If You Want To	Refer To
Connection	Learn more about ECS connection methods	Login Overview (Linux)
Website building	Build websites or applications on an ECS	Setting Up Websites on ECSs
Modification	Upgrade vCPUs and memory of an ECS	General Operations for Modifying Specifications
	Upgrade the ECS bandwidth	Modifying an EIP Bandwidth

Operation Type	If You Want To	Refer To
	Expand the storage capacity	 Adding a Disk to an ECS Expanding the Capacity of an EVS Disk
	Change the ECS OS	Changing the OS
	Open a port for ECS access	Configuring Security Group Rules
Backup	Back up ECS data	Backing Up an ECS
Monitoring, auditing, and management	View ECS metrics such as vCPUs, memory, bandwidth, and disks	Monitoring ECSs
	View ECS operation records in the last seven days	Viewing Traces
	Manage ECS resources by tag	Tag Management
Release	Release an ECS	Starting and Stopping ECSs
Bills	View ECS bills	Bills

2 Purchasing and Using an ECS (Old Edition)

Scenarios

Elastic Cloud Server (ECS) is a cloud server that provides scalable, on-demand computing resources, including vCPUs, memory, OS, and Elastic Volume Service (EVS) disks. After purchasing an ECS, you can use it like using your local computer or physical server.

You can create an ECS by specifying its vCPUs, memory, OS, flavor, and login mode.

This section describes how to purchase an ECS on the management console.

Procedure

Step	Description
Preparations	Sign up for a HUAWEI ID, enable Huawei Cloud services, complete real-name authentication, top up your account, and create resources such as VPCs, subnets, and security groups.
Purchasing an ECS	Configure the basic, network, and advanced settings and purchase an ECS.
Logging In to an ECS	Log in to an ECS using VNC.
Using an ECS	Perform operations on an ECS.

Preparations

1. Sign up for a HUAWEI ID and complete real-name authentication.

Before purchasing an ECS, sign up for a HUAWEI ID and enable Huawei Cloud services and complete real-name authentication first. If you have enabled Huawei Cloud services and completed real-name authentication, skip this step.

- 2. Top up your account.
- Ensure that your account has sufficient balance. If not, top up your account.
- 3. Plan network resources, such as VPCs and subnets.

When you are purchasing an ECS, the system creates a default VPC (vpc-default) and subnet (subnet-default).

If you do not want to use the default VPC and subnet, you can create a VPC and subnet in the corresponding region in advance. For details, see VPC and Subnet Planning.

4. Create a security group and add rules to it.

When you are purchasing an ECS, the system creates default security groups (default, Sys-WebServer, and Sys-FullAccess). For details about default security groups, see **Default Security Groups and Rules**.

If the default security groups and rules cannot meet your service requirements, you can modify them. For details, see **Configuring Security Group Rules**.

5. Create a key pair.

To log in to the ECS using a key pair, **create one on the management console**.

Purchasing an ECS

The following is an example for your reference. For more details, see **Purchasing an ECS**.

- 1. Log in to the management console and go to the **ECS console**.
- 2. Configure basic settings.

Figure 2-1 Basic settings

< Buy ECS									
Configure Basic Settings	(2) Configure Network	 3 Configure Advanced Settings — 	(4) Confirm						
Region	e annungen 🗸 V								
Billing Mode	Yearly/Monthly Pay-pec-use	Spot pricing 🕥							
AZ	Random AZ1 AZ	2 AZ3 ()							
	Multi-AZ deployment								
Instance Selection	By Type By Scenario								
CPU Architecture	x86 ①								
	FlexusX launch: Flexible compute with the computer with the c	th 6x the performance and a superlative e	perience, suitable for genera	al workloads in tech, retail, fir	ance, and gaming industries. Buy	FlexusX			
Specifications	VCPUs -Select vCPUs- ~	Memory -Select Memory-	V Flavor Name	Enter a keyword.	Q Hide sold-out specif	ications			
	General computing-plus	eral computing Memory-optimic	ced Large-memory	/ Disk-intensive	Ultra-high I/O	General computing-basic (5)			
	ECS Type	Flavor Name	vCPUs ⊖	Memory 😣	CPU 0	Assured / Maximum Bandwidth ③ 😣	Packets Per Second (2) (3)	IPv8	
	 General computing s7n 	s7n.medium.4	1 VCPU	4 GIB	Intel Ice Lake 2.6GHz	0.1 / 0.8 Gb0's	100,000 PPS	No	
	General computing s7n	s7n.large.2	2 vCPUs	4 GIB	Intel Ice Lake 2.6GHz	0.2 / 1.5 Gb8/s	150,000 PPS	No	
	General computing s7n	s7n.large.4	2 vCPUs	8 GIB	Intel Ice Lake 2.6GHz	0.2 / 1.5 Gbit/s	150,000 PPS	No	
	 General computing s7n 	s7n.xiarge.2	4 vCPUs	8 GIB	Intel Ice Lake 2.6GHz	0.35 / 2 Gbits	250,000 PPS	No	
	General computing s7n	s7n.xiarge.4	4 vCPUs	16 GIB	Intel Ice Lake 2.6GHz	0.35/2 GbNs	250,000 PPS	No	
	General computing s7n	s7n 2xlarge 2	8 vCPUs	16 G/B	Intel Ice Lake 2.6GHz	0.75 / 3 Gbit/s	500,000 PPS	No	
	General computing s7n	s7n.2darge.4	8 vCPUs	32 0/8	Intel Ice Lake 2.6GHz	0.75 / 3 Gbit/s	500,000 PPS	No	L.
	Selected specifications General	computing s7n.xlarge.2 4 vCPUs 8 0	518						
Image	Public image Private image	Shared image Mark	etplace image ()						
	Centos v	tOS 7.9 64bit(40 GIB)	~	0					
Surface Disk			00 hund beek 0.000 @						
-,	Comean colore app	40 TOPS IIIL 2,200,10							
	Add Data Disk Disks you can still add: 3	3							

Table :	2-1	Basic	settings
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Parame ter	Example	Description
Region	LA-Mexico City1	For lower network latency and faster resource access, select the region nearest to your target users. After an ECS is purchased, the region cannot be changed. Exercise caution when selecting a region. For details, see Region and AZ .
Billing Mode	Pay-per-use	Select the pay-per-use billing mode. Resources will be billed based on the usage duration. You can provision or delete resources at any time. You can select an appropriate billing mode based on the required duration and resource inventory to help you save costs. For details, see Billing Overview .
AZ	Random	After you select a random AZ, the system will select a default AZ based on your Universally Unique Identifier (UUID). The AZ of a purchased ECS cannot be changed.
Specific ations	s7n.xlarge.2	Select appropriate specifications based on service requirements. For details, see A Summary List of x86 ECS Specifications .
Image	CentOS 7.9 64bit (40GiB)	Select a free public Linux image provided by Huawei Cloud. You can choose from public, private, shared, and KooGallery images. For details, see IMS Overview.
Protecti on	Basic edition (one-month free trial)	HSS Basic Edition is free for one month. It provides functions such as detection for weak passwords, vulnerabilities, and brute-force attacks. For details, see HSS .

Parame ter	Example	Description
System Disk	General Purpose SSD, 40 GiB	A system disk will be automatically created and initialized upon ECS creation. It stores the OS of an ECS. For details, see EVS Overview .

3. Click **Next: Configure Network** and configure network parameters.

Figure 2-2 Network parameters

< Buy ECS	Buy ECS						
🕑 Configure Basic Settings	ettings © Configure Network 🚯 Configure Advanced Bettings 🕢 Continu						
Network	(with difference of the state of t						
Extension NIC	() Add NIC NICH you can still eds 1						
Source/Destination Check	× 💽 Ø						
Security Group	extractly track blocks the first checks bit is in the first checks bit is in the first check is a constrained bit is a constrained bit in the first check is a constrained						
	Security Group Name	Priority	Action	Protocol & Port ④	Type	Source ③	Description
		100	Allow	TCP: 3389	IPv4	0.0.0.00	-
	444-14	100	Allow	TCP: 22	IPv4	0.0.0.00	
	Geradit	100	Allow	AI	IPv4	default	10
		100	Allow	All	IPv6	default	**
EIP	Auto acogn Uter existing https://www.existing.com/outers/acom/outer						
EIP Type	Dynamic BOP 0						
	⊘ Greater than or equal to 99 95% service availability rate						
Billed By	Handwarf & Image of a production of the production of the standard the						
Bandwidth Size	5 10 20 50 100 Custom - 1 + The bandwidth can be from 1 to 300 Mbbls.						
	Arth 2008 protection Free						

 Table 2-2
 Network parameters

Parame ter	Example	Description	
Networ k	VPC: vpc-defaultSubnet: subnet-default	Select the default VPC and subnet. For details, see VPC and Subnet Planning .	
Security Group	default	Select the default security group. For details, see Security Group Overview .	
EIP	 EIP Type: Dynamic BGP Billed By: Traffic Bandwidth Size: 1 Mbit/s 	Purchase an EIP and bind it to the ECS for public network access. For details, see EIP Overview .	

4. Click Next: Configure Advanced Settings.

Figure 2-3 Advanced settings

< Buy ECS	
Configure Basic Settings	🕗 Configure Naturals 🚯 Configure Advanced Sattings
ECS Name	ecs-example Allow daplate rame
	If multiple ECGs are resulted at the same line, the system automatically adds higher followed by a four-digit nonmental number to the end of each ECS name. For example, if you onter ecs and there is no existing ECS in the system, the first ECS's name will be ecs-0001. If an ECS with the name ecs-0010 already exists, the name of the first new ECS will be ecs-0011.
Description	
	085.4
Login Mode	Pressward Key pair Set personnot later
Usemame	rot
Password	Keep the parameteria factors if you forget the parameteric you can keep to the the CES controls and change it
Confirm Password	
Cloud Backup and	To use CBR, you need to purchase a backup youth. A yourth is a container that stores backups for services.
Recovery	Create new Uite existing Net required ①
	CBR backups can help you retore data in case anything happens to your ECS. To ensure data security, you are adviced to use CBR.
Cloud Eye	😢 Enable Detailed Mantstormy 📶 🛞
	© Enable 1-minute fines-grained monitoring of ECS metrics, such as CPU, memory, network, daix, and process.

Table 2-3 Advanced settings

Parame ter	Example	Description
ECS Name	ecs-example	Specify an ECS name based on naming rules.
Login Mode	Password	Select the password login mode. For security purposes, set a strong one.
		Login Mode specifies the method for logging in to an ECS. You can select an appropriate one for ECS login.
Cloud Eye	Enable detailed monitoring	Detailed monitoring is enabled by default. It enables 1-minute fine- grained monitoring of ECS metrics, such as vCPUs, memory, network, disks, and processes.
		For details, see Monitoring ECSs .

5. Click **Next: Confirm**.

Figure 2-4 Confirming configurations

Configuration	Basic & Billing Mode Specifications	Pay-per-use General computing s7n.xlarge 2 4 vCPUs 8 GIB	Region Image	AP-Jakarta CentOS 7.9.64bit	AZ System Disk	Random General Purpose SSD, 40 G/B
	Network & VPC EP	vpc-delaut(192:168.0.016) Dynamic BOP Billed By: Traffic Bandwidth: 1 MbB/s	Security Group Source/Destination Check	default Enable	Primary NIC	subnet-default (192, 168, 0, 0/24)
	Advanced & ECS Name ECS Oroup	ec5-ecample -	Login Mode	Password	Cloud Eye	Monitoring details
Required Duration	Set scheduled elements time (3)					
Quantity	- 1 + You can create a maximum of 2,048 ECbs. You can create a maximum of 500 ECbs at a time. Increase Quata					
Agreement	There read and agree to the Service Level Agreement and Image Doclarmer.					

- 6. Read and select the agreement, and click **Submit**.
- 7. Go back to the ECS list to view the purchased ECS.

Logging In to an ECS

The following shows how to log in to an ECS using VNC. For more login methods, see **Login Overview (Linux)**.

- 1. In the ECS list, locate the target ECS and click Remote Login in the Operation column.
- 2. In the displayed dialog box, click **Log In** in the **Other Login Modes** area.
- 3. In the upper left part of the displayed page, click **Ctrl+Alt+Del** to unlock the screen.
- 4. Enter the password set in step **4** to log in to the ECS.

Using an ECS

After purchasing an ECS, you can build websites or applications on the ECS and manage the ECS.

Operation Type	If You Want To	Refer To
Connection	Learn more about ECS connection methods	Login Overview (Windows) Login Overview (Linux)
Website building	Build websites or applications on an ECS	Setting Up Websites on ECSs
Modification	Upgrade vCPUs and memory of an ECS	General Operations for Modifying Specifications
	Upgrade the ECS bandwidth	Modifying an EIP Bandwidth
	Expand the storage capacity	 Adding a Disk to an ECS Expanding the Capacity of an EVS Disk
	Change the ECS OS	Changing the OS
	Open a port for ECS access	Configuring Security Group Rules
Backup	Back up ECS data	Backing Up an ECS
Monitoring, auditing, and management	View ECS metrics such as vCPUs, memory, bandwidth, and disks	Monitoring ECSs
	View ECS operation records in the last seven days	Viewing Traces
	Manage ECS resources by tag	Tag Management

Table 2-4 Common ECS operation	Table	2-4	Common	ECS	operations
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Operation Type	If You Want To	Refer To
Release	Release an ECS	Starting and Stopping ECSs
Bills	View ECS bills	Bills