



HUAWEI CLOUD COMPUTE SERVICES PRACTICE REPORT

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Platform: KooLabs – Huawei Cloud

Practice Title: Compute Services – ECS Lifecycle, Image Creation, and Management

Duration: 120 minutes

Products used: Elastic Cloud Server (ECS), Virtual Private Cloud (VPC), Elastic IP (EIP) Image Management Service (IMS)

1. Objective

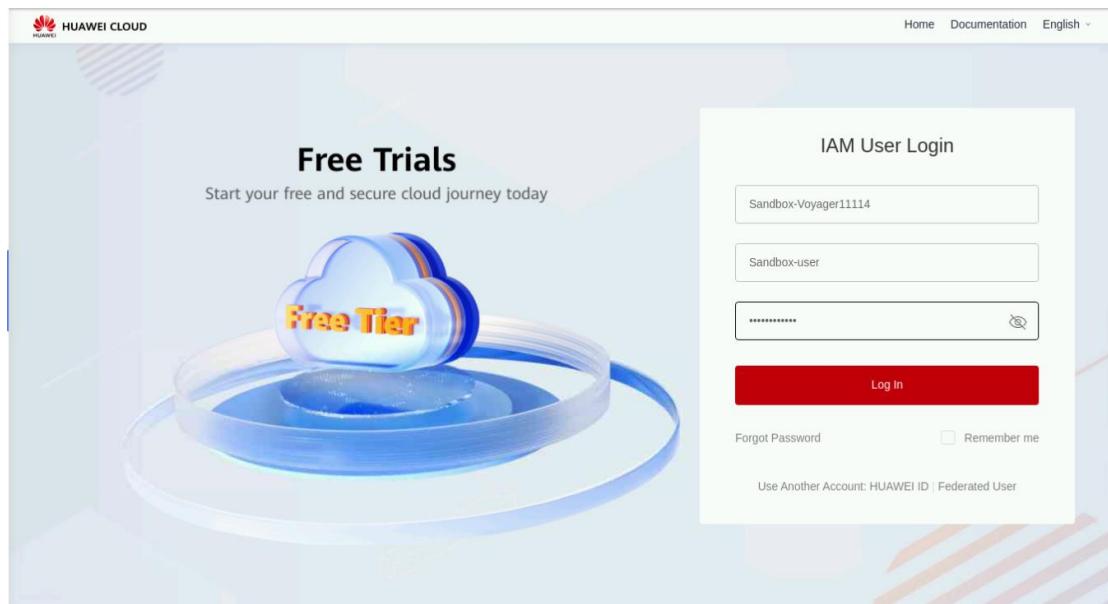
The objective of this lab was to gain hands-on experience with Huawei Cloud Compute Services, specifically focusing on:

- Creating and configuring Elastic Cloud Servers (ECS) for both Windows and Linux
 - Modifying ECS specifications
 - Creating private system disk images
 - Replicating and sharing images
 - Deploying new ECSs from private images
 - Managing cross-platform and regional limitations
-

2. ECS Lifecycle Management

2.1 VPC and ECS Creation

- Logged into the HUAWEI CLOUD console using provided IAM credentials.



- Selected **AP-Singapore** as the working region.
- Created a **Virtual Private Cloud (VPC)**:
 - Name: vpc-Sandbox-Voyager111114
 - CIDR block: 192.168.0.0/16
 - Default Subnet: subnet-, CIDR: 192.168.0.0/24

The screenshot shows the HUAWEI CLOUD console interface. On the left, there's a sidebar with sections for 'Favorites & Recently Visited' and 'All Services'. The 'All Services' section is expanded, showing various cloud services like AI, Analytics, Blockchain, etc. The main content area is a grid of service icons and names. A red arrow points to the 'Virtual Private Cloud' icon, which is highlighted with a red border. Other visible services include Elastic Load Balance, Object Storage Service, Auto Scaling, and Cloud Container Engine.



Basic Information

Region: AP-Singapore

Name: vpc-Sandbox-Voyager11114

IPv4 CIDR Block: 192.168.0.0/16

• Recommended: 10.0.0.0/8-24 Select | 172.16.0.0/12-24 Select | 192.168.0.0/16-24 Select
• To enable communications between VPCs or between a VPC and an on-premises data center, ensure their CIDR blocks do not overlap. Learn more about network planning

Advanced Settings (Optional)

Subnet Setting 1

Subnet Name: subnet-Sandbox-Voyager11114

IPv4 CIDR Block: 192.168.0.0/24 Available IP Addresses: 256

⚠️ The CIDR block cannot be modified after the subnet is created. Before creating a subnet, plan subnet CIDR blocks as required.

IPv6 CIDR Block (Optional) Enable

Create Now

Create VPC

Creation of VPC complete 100%

Creation of subnet complete.subnet-Sandbox-Voyager11114 100%

OK

Subnet Setting 1

Subnet Name: subnet-Sandbox-Voyager11114

IPv4 CIDR Block: 192.168.0.0/24 Available IP Addresses: 256

⚠️ The CIDR block cannot be modified after the subnet is created. Before creating a subnet, plan subnet CIDR blocks as required.

- Created two ECS instances:

- Windows ECS



The screenshot shows the HUAWEI CLOUD console interface for the Elastic Cloud Server. On the left, there's a sidebar with options like Overview, Events, Scheduled O&M, Troubleshooting, Cloud Bastion Host, Servers and Images, and Elastic Cloud Server. The main area is titled 'Elastic Cloud Server' and contains a summary section with links for Alarms, Security Risks, Pending Renewals (0), and UniAgent not Installed. Below this is a search bar and a table header with columns for Name/ID, Mon..., Status, AZ, Specifications/Image, OS..., I..., and Operation. At the top right of the main area, there's a 'Buy ECS' button, which is highlighted with a red box and a red arrow pointing to it from the bottom right.

- Billing Mode: Pay-per-use

The screenshot shows the 'Buy ECS' configuration page. At the top, it says 'Elastic Cloud Server / Buy ECS'. Below that, there are two tabs: 'Quick Config' and 'Custom Config', with 'Custom Config' being active. Under 'Basic Configuration', the 'Billing Mode' dropdown is set to 'Pay-per-use', which is highlighted with a blue box. There are also options for 'Yearly/Monthly' and 'Spot pricing'. A note below says 'Pay-per-use ECSS do not support ICP filing.' The 'Region' dropdown is set to 'AP-Singapore'. Below it, a note says '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.' The 'AZ' dropdown has 'Random' selected, with other options like AZ5, AZ1, AZ3, AZ2, and 'Randomly allocated to multiple AZs'.

- Specification: s6.large.2 (2 vCPUs, 4 GB RAM)



The screenshot shows the 'Buy ECS' page on the Huawei Cloud console. The user has selected the 'General computing' category and the 's6' flavor. A specific instance, 's6.large.2', is highlighted with a red border. The table below lists various ECS types with their details:

ECS Type	Flavor Name	vCPUs	Memory	CPU	Assured / Maximum Bandwidth	Packets Per Second	IPv6	Estimated Price
General computi...	s6.large.05	2 vCPUs	1 GiB	Intel Cascade ...	0.2 / 1.5 Gbit/s	150,000 PPS	Yes	¥0.41/hour
General computi...	s6.large.1	2 vCPUs	2 GiB	Intel Cascade ...	0.2 / 1.5 Gbit/s	150,000 PPS	Yes	¥0.44/hour
General computi...	s6.large.2	2 vCPUs	4 GiB	Intel Cascade ...	0.2 / 1.5 Gbit/s	150,000 PPS	Yes	¥0.47/hour
General computi...	s6.large.4	2 vCPUs	8 GiB	Intel Cascade ...	0.2 / 1.5 Gbit/s	150,000 PPS	Yes	¥0.57/hour
General computi...	s6.xlarge.2	4 vCPUs	8 GiB	Intel Cascade ...	0.35 / 2 Gbit/s	250,000 PPS	Yes	¥0.94/hour

▪ Image: Windows Server 2012 R2 Standard 64bit

The screenshot shows the 'Image' section of the Huawei Cloud console. The 'Public image' tab is selected. A search bar at the bottom left contains the text 'Windows Server 2012 R2 标准版 64位英文(40GB)-新加...'. The 'Windows' image is highlighted with a blue border. Below the search bar, there is a note about third-party images and a checkbox for 'Host protection (HSS)'. The 'Basic Edition' and 'Enterprise' sections are also visible.

▪ Login Mode: Password



Public Network Access

EIP [?](#)

An ECS without an EIP cannot access the Internet. However, it can still be used to deploy services or clusters in a private network.

Instance Management

ECS Name Allow duplicate name

When you purchase multiple ECSS, they are named based on automatic or custom naming rules. [Learn more](#)

Login Mode [?](#)

Keep the password secure. If you forget the password, you can log in to the ECS console and change it.

Username Password Confirm Password

Tag [?](#)

It is recommended that you use TMS's predefined tag

+ Add Tags you can still add: 10

Billed Resource	Amount
ECS	¥0.90/hour
Disk	¥0.0456/hour

- Name: ecs-windows

We recommend one of the following browsers: [Google Chrome 93+](#) [Mozilla Firefox 91+](#) [Microsoft Edge 93+](#) [Learn more](#)

HUAWEI CLOUD | Console [Search for...](#) More [EN](#) [Sandbox-Voyager11114](#) [sandbox-user](#)

< [Buy ECS](#) [Go to Old Edition](#) [Flexi Purchase](#) [?](#)

Set scheduled deletion time [?](#)

Quantity

You can create a maximum of 20 ECSS. [Increase Quota](#)

Configuration Summary [Generate Open API](#)

Billing Mode	Region	AZ	Specifications
Pay-per-use	AP-Singapore	Random	General computing s6.large.2 2 vCPUs 4 GiB
Image	Host Security	System Disk	Backup:
Windows Server 2012 R2 标准版 64位英文(40GB...)	Basic edition enabled One-month free trial	General Purpose SSD, 40 GiB	vault-f0ba 80 GiB
VPC	Primary NIC	Source/Destination Check	Security Group:
vpn-Sandbox-Voyager11114(192.168.0.16)	subnet-Sandbox-Voyager11114(192.168.0.24)	Enable	default
EIP	ECS Name	Login Mode	Tag
Not required	ecs-windows	Password	--
Deletion Time	Quantity		
--	1		

Agreement

I have read and agree to [Elastic Cloud Server Service Statement](#), [Image Disclaimer](#), [KooGallery EULA](#), and [KooGallery Terms](#).

If you intend to use cloud resources to provide website services in the Chinese mainland, ICP filing is required. [Learn more about ICP filing](#)

Purchase Details Price **¥0.9768 /hour** + Image Price **¥0.0075 /hour** [Submit](#)

You will be charged based on the bill. [Pricing details](#) | A cash coupon will automatically be applied to your bill. [Learn more](#)



The screenshot shows the HUAWEI CLOUD Compute Services Practices Report interface. On the left, there's a sidebar with options like Overview, Events, Scheduled O&M, Troubleshooting, Cloud Bastion Host, Servers and Images, and Elastic Cloud Server. Under Elastic Cloud Server, it lists ECS Group, Huawei Cloud Flexus, Dedicated Host, Bare Metal Server, and Image Management Service. The main area is titled 'Elastic Cloud Server' and shows a table of servers. One row is highlighted with a red box: 'ecs-windows' (Instance ID: f8662663-35c5-49e9-8...), which is currently 'Running' in AZ3. The table also includes columns for Name/ID, Mon..., Status, AZ, Specifications/Image, OS..., I..., Operation, and a 'Remote Login' button.

○ Linux ECS

- Same specifications as Windows ECS
- Image: CentOS 7.6 64-bit
- Name: ecs-linux
- EIP: Auto-assigned

The screenshot shows the 'Buy ECS' configuration summary page. It includes sections for Configuration Summary, Agreement, and a footer note about ICP filing. The Configuration Summary table is highlighted with a large red box. It contains the following data:

Configuration Summary			
Billing Mode Pay-per-use	Region AP-Singapore	AZ Random	Specifications General computing s6.large.2 2 vCPUs 4 GiB
Image CentOS 7.6 64bit	Host Security Basic edition enabled	System Disk General Purpose SSD, 40 GiB	Backup: vault-2b6f 80 GiB
VPC vpc-Sandbox-Voyager11114(192.168.0.0/16)	Primary NIC subnet-Sandbox-Voyager11114(192.168.0.0/24)	Source/Destination Check Enable	Security Group default
EIP Dynamic BGP Bandwidth 5 Mbit/s	ECS Name ecs-linux	Login Mode Password	Tag --
Cloud Eye Detailed monitoring enabled	Deletion Time --	Quantity 1	

Agreement
 I have read and agree to [Elastic Cloud Server Service Statement](#) and [Image Disclaimer](#).
If you intend to use cloud resources to provide website services in the Chinese mainland, ICP filing is required. [Learn more about ICP filing](#)

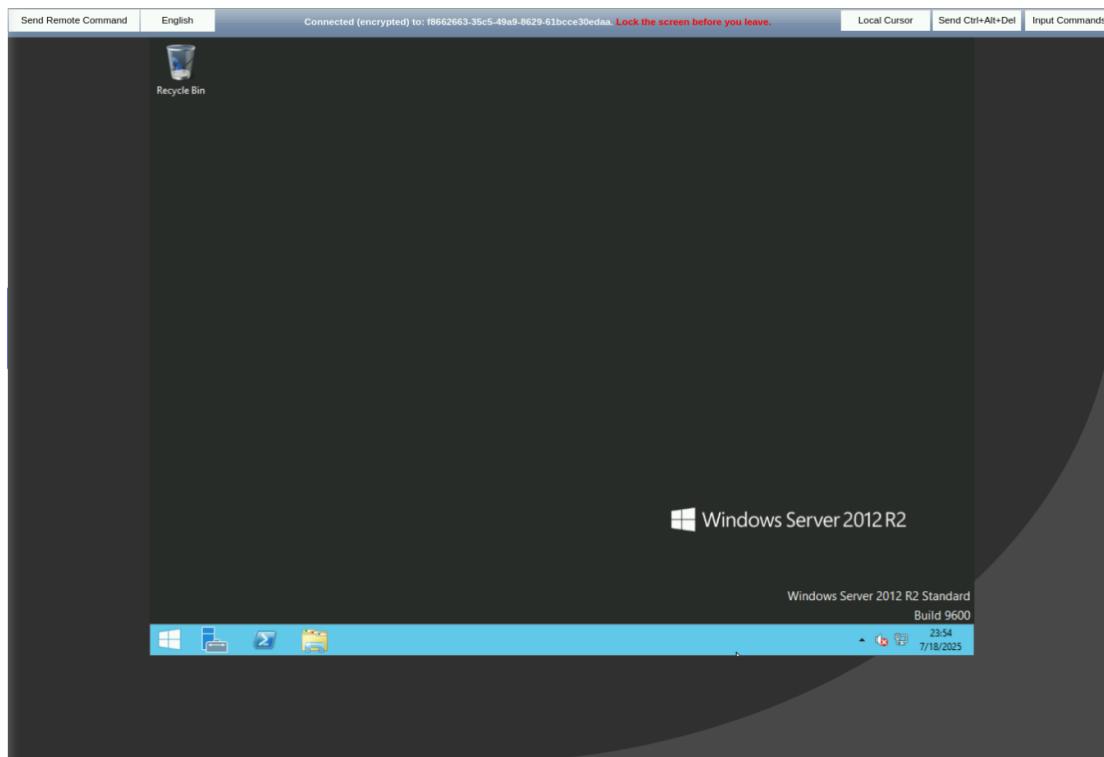


The screenshot shows the 'Elastic Cloud Server' section of the Huawei Cloud Compute Services Practices Report. It displays two running instances: 'ecs-linux' (CentOS 7.6 64bit) and 'ecs-windows' (KooGallery Windows S...). The 'ecs-windows' instance is highlighted with a red box. The interface includes various buttons for monitoring, restarting, and resetting passwords.

2.2 Logging in to ECS Instances

- Used the **Remote Login** feature to access both ECS instances.
- For the **Windows ECS**, login was completed by sending the **Ctrl+Alt+Del** command and entering the defined password.

The screenshot shows a Windows Server 2012 R2 login screen. The user 'Administrator' is logged in, and the password field is visible. At the top right, there are three buttons: 'Local Cursor', 'Send Ctrl+Alt+Del', and 'Input Commands'. A red arrow points from the 'Send Ctrl+Alt+Del' button to the password field, indicating the key combination used to trigger the login process.



- For the **Linux ECS**, login was done via VNC. Used root credentials to log in via terminal (no GUI available).



2.3 Modifying ECS Specifications

- The Windows ECS was stopped and its specifications modified:
 - Memory upgraded from 4 GB to 8 GB

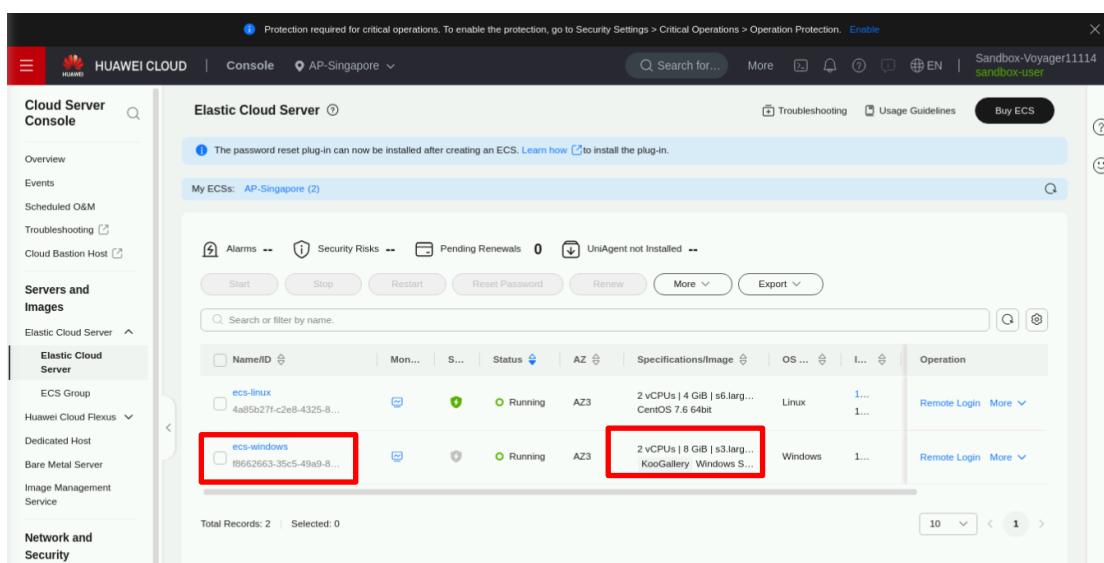
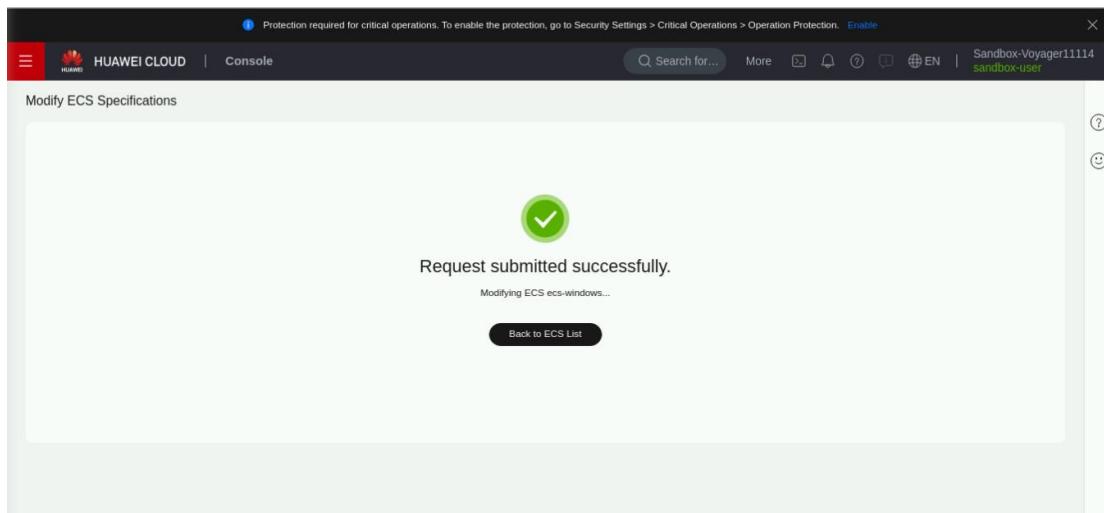


The screenshot shows the 'Elastic Cloud Server' page in the Huawei Cloud console. On the left, there's a sidebar with 'Cloud Server Console' and 'Elastic Cloud Server' selected. The main area lists two ECS instances: 'ecs-windows' (Stopped) and 'ecs-linux' (Running). A red box highlights the 'Modify Specifications' option in the context menu for the 'ecs-windows' instance.

The screenshot shows the 'Modify ECS Specifications' dialog box. It displays the current configuration for the 'ecs-windows' instance, including its name, image, billing mode, and region. Below this, there's a table of available ECS types. A red box highlights the 's3.large.4' row, which has 2 vCPUs and 8 GiB of memory. At the bottom, it shows the total price as '\$1.00 /hour + Image Price \$0.0075 /hour'.

ECS Type	Flavor Name	vCPUs	Memory	Assured / Maximum Bandwidth	Packets Per Second	IPv6	Estimated Price
General computing	s3.large.4	2 vCPUs	8 GiB	Intel SkyLake ...	0.2 / 0.8 Gbit/s	100,000 PPS	\$0.57/hour
General computing	s3.xlarge.2	4 vCPUs	8 GiB	Intel SkyLake ...	0.4 / 1.5 Gbit/s	150,000 PPS	\$0.94/hour
General computing	s3.xlarge.4	4 vCPUs	16 GiB	Intel SkyLake ...	0.4 / 1.5 Gbit/s	150,000 PPS	\$1.14/hour

- After confirmation and submission, the ECS status changed to **Resized**, and the instance was restarted.

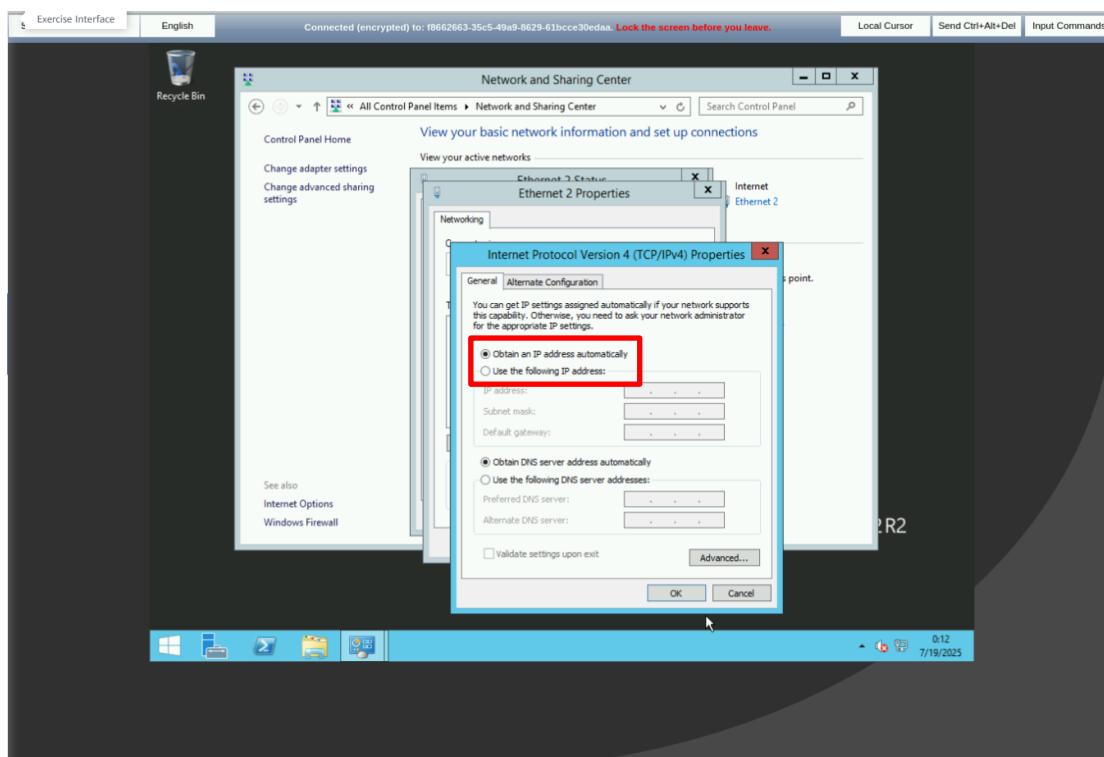


3. Windows Image Creation and Management

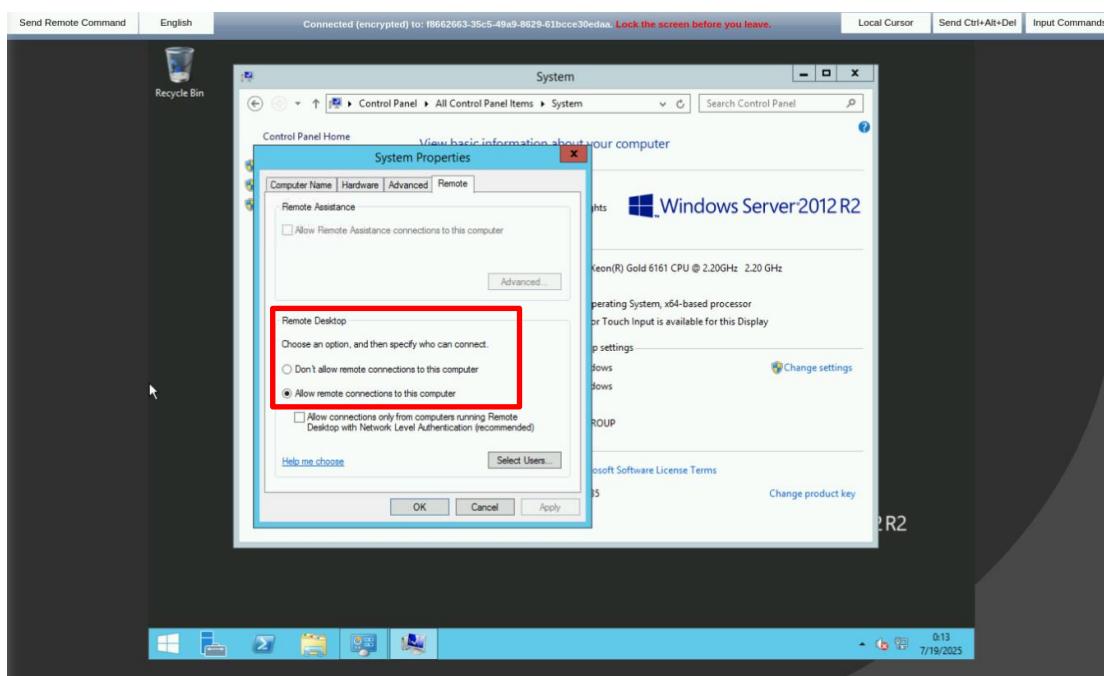
3.1 ECS Preparation

Before image creation, the following checks were made:

- DHCP was enabled on the ECS NIC.

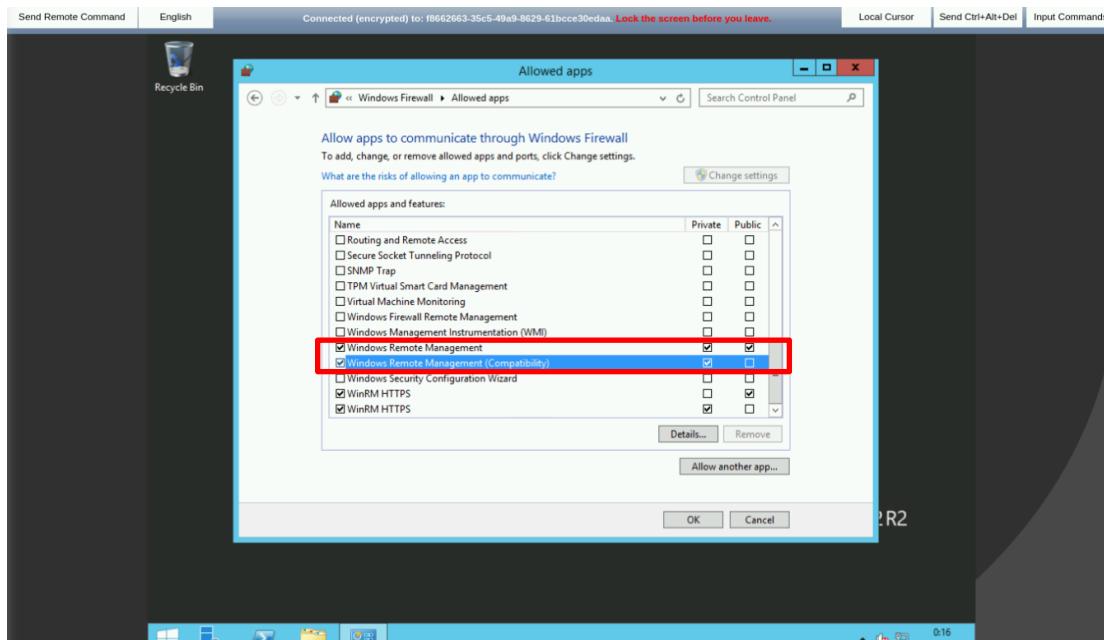


- Remote Desktop access was enabled.

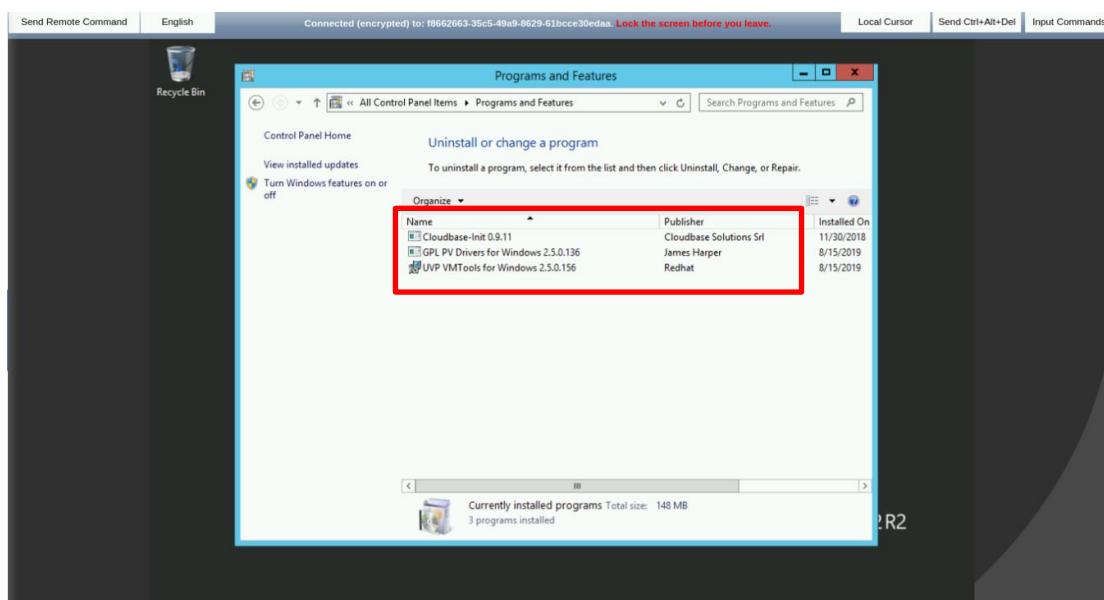




- Windows Firewall settings were updated to allow Remote Desktop through both public and private networks.



- Verified that **Cloudbase-Init** was already installed, as expected for a public image.



3.2 Creating a Private Image

- Navigated to **Image Management Service > Create Image**



The screenshot shows the Huawei Cloud Console interface. A search bar at the top contains the query 'im'. Below the search bar, a list of services is displayed. The 'Image Management Service' is highlighted with a red box and a red arrow from the previous screenshot. Other visible services include Image Recognition, Image Search, Simple Message Notification, and Huawei Cloud Real-Time Co... . The left sidebar lists various cloud services like AI, Analytics, Blockchain, etc.

The screenshot shows the 'Image Management Service' page within the Cloud Server Console. The left sidebar includes categories like Overview, Events, Scheduled O&M, Troubleshooting, Servers and Images, Image Management Service (which is selected), Network and Security, Storage and Backup, and Key Pair. The main content area displays five cards: 'Image creation' (Create Now), 'Image importing' (Import Now), 'Image replicating' (Replicate Now), 'Image sharing' (Share Now), and 'Image exporting' (Export Now). A prominent 'Create Image' button is located in the top right corner of the main content area, highlighted with a red box and a red arrow from the previous screenshot.

- Selected:

- Image Type: System disk image
- Source: ecs-windows
- Name: aziz_windows2012



The screenshot shows the 'Create Image' page in the HUAWEI CLOUD console. The 'Image Type and Source' section is visible, with 'Region' set to 'AP-Singapore'. Under 'Type', 'Create Image' is selected. 'Image Type' is set to 'System disk image'. The 'Source' dropdown is set to 'ECS'. A note states: 'Only ECSSs in the running or stopped state can be used to create private images.' Below this, a table lists two ECS instances: 'ecs-linux' (CentOS 7.6 64bit, Running) and 'ecs-windows' (Windows Server 2012 R2 Standard 64bit, Running). The 'ecs-windows' row is highlighted with a red box. The status bar at the bottom indicates 'Selected : ecs-windows | OS: Windows Server 2012 R2 Standard 64bit | System Disk: General Purpose SSD | 40 GiB'.

The screenshot shows the 'Create Image' page in the HUAWEI CLOUD console. The 'Details' section is displayed, containing a table with the following data:

Resource	Configuration	Quantity								
System disk image	<table><tr><td>Region</td><td>AP-Singapore</td></tr><tr><td>Name</td><td>aziz_windows2012</td></tr><tr><td>Source</td><td>ECS (ecs-windows)</td></tr><tr><td>Description</td><td>I created that image for a lab.</td></tr></table>	Region	AP-Singapore	Name	aziz_windows2012	Source	ECS (ecs-windows)	Description	I created that image for a lab.	1
Region	AP-Singapore									
Name	aziz_windows2012									
Source	ECS (ecs-windows)									
Description	I created that image for a lab.									

A red box highlights the entire configuration table, and a red arrow points to the 'Name' field which contains 'aziz_windows2012'.

- Submitted the form. Image creation took approximately 15 minutes and was marked as **Normal**.



The screenshot shows the Huawei Cloud Image Management Service interface. On the left, there's a sidebar with various service links like Overview, Events, Scheduled O&M, Troubleshooting, Cloud Bastion Host, Servers and Images, Image Management Service (which is selected and highlighted in blue), Network and Security, Storage and Backup, and others. The main content area has tabs for Public Images, Private Images (which is selected), and Images Shared with Me. It features sections for Image creation, Image importing, Image replicating, Image sharing, and Image exporting. A message at the top says "IMS is now in commercial use. Any private images stored will be billed according to IMS pricing." Below this, a table lists images. One row is highlighted with a red box: "aziz_window... e78bddd-31f..." with status "Normal". The table includes columns for Name/ID, Status, OS Type, OS Version, Image Type, Disk Capacity, Encry..., Signed, Boot..., and Created. At the bottom, it shows "Total Records: 1 | Selected: 0".

3.3 Image Modification and Replication

- Modified the name and metadata of the image as needed.



The screenshot shows the 'Modify Image' dialog box within the Huawei Cloud Image Management Service. The 'Name' field is set to 'aziz_windows2012'. The 'Description' field contains the text 'I created that image for a lab.'. Under 'Minimum Memory', the 'Unlimited' option is selected. Under 'Maximum Memory', the 'Unlimited' option is also selected. Other settings like NIC Multi-Queue, Boot Mode, SR-IOV Driver, and Virtio-net Passthrough have their respective supported and unsupported options listed. At the bottom right of the dialog are 'Cancel' and 'OK' buttons.

- Replicated the image within the AP-Singapore region without encryption.

The screenshot shows the main interface of the Image Management Service. It features several informational cards: 'Image creation' (Create Now), 'Image importing' (Import Now), 'Image replicating' (Replicate an image within a region), 'Image sharing' (Share images with tenants in the same region), and 'Image exporting' (Export a private image to a local PC). Below these cards is a message: 'You are advised to optimize private images that do not support fast ECS creation. To check whether a private image supports this function, go to its details page.' At the bottom of the screen, there is a table listing private images. Two specific rows are highlighted with a red box: 'copy_aziz_windows...' and 'aziz_windows...'. The table has columns for Name/ID, Status, OS Type, OS, Image Type, Disk Capacity (GiB), Encryption, Signed, Boot Mode, and Create Date. The 'aziz_windows...' row has a checked checkbox in the first column and a green circular icon in the second column.

3.4 Deploying ECS from Private Image



- Created a new ECS from image-windows2012 and verified that the pre-installed environment was preserved.

The screenshot shows the HUAWEI CLOUD Console interface for buying an Elastic Cloud Server (ECS). The 'Buy ECS' page is displayed, showing various server specifications like s3.4xlarge.4. The 'OS' section is highlighted with a red box, showing the 'Private image' tab selected and the image 'aziz_windows2012(40 GiB)' chosen. Other tabs like 'Public image', 'Shared image', and 'KooGallery image' are also visible. Below the OS selection, there's a note about Host protection (HSS) and a 'One-month free trial' offer for the Enterprise edition.

The screenshot shows the HUAWEI CLOUD Console interface for managing Elastic Cloud Servers. The 'Elastic Cloud Server' list page is displayed, showing three running instances: 'ecs-windows2', 'ecs-linux', and 'ecs-windows'. The 'ecs-windows2' instance is highlighted with a red box. The table columns include Name/ID, Status, AZ, Specifications/Image, OS, Billing, and Operation. The 'ecs-windows2' row shows it is running in AZ2 with Windows OS and Pay-as-you-go billing.

4. Linux Image Creation and Management

4.1 ECS Preparation

- Checked that DHCP was enabled in /etc/sysconfig/network-scripts/ifcfg-eth0

```
CentOS Linux 7 (Core)
Kernel 3.10.0-1160.119.1.el7.x86_64 on an x86_64

ecs-linux login: _

CentOS Linux 7 (Core)
Kernel 3.10.0-1160.119.1.el7.x86_64 on an x86_64

ecs-linux login: root
Password:
Last login: Fri Jul 18 23:56:17 on tty1

        Welcome to Huawei Cloud Service

[root@ecs-linux ~]# vi    /etc/sysconfig/network-scripts/ifcfg-eth0_
```

```
DEVICE="eth0"
BOOTPROTO="dhcp"
ONBOOT="yes"
TYPE="Ethernet"
PERSISTENT_DHCLIENT="yes"
:
```

- Verified the presence of:
 - One-click password reset plugin: CloudResetPwdAgent
 - Cloud-Init package

Commands used for verification:

```
ls -lh /Cloud*
```

```
rpm -qa | grep cloud-init
```

- Confirmed absence of network rule files under /etc/udev/rules.d to prevent NIC name drift.

4.2 Creating a Private Image

- Used ecs-linux as source.
- Image Name: aziz_image-centos7.6



- Image Type: System disk

Protection required for critical operations. To enable the protection, go to Security Settings > Critical Operations > Operation Protection. [Enable](#)

HUAWEI CLOUD | Console

Search for... More ⓘ EN

Sandbox-Voyager11114
sandbox-user

Create Image

Details

Resource	Configuration	Quantity
System disk image	Region: AP-Singapore Name: aziz_image-centos7.6 Source: ECS (ecs-linux) Description: I also created that image for a lab	1

- Image status changed to **Normal** after creation.

HUAWEI CLOUD | Console

Cloud Server Console

Overview Events Scheduled O&M Troubleshooting Cloud Bastion Host

Servers and Images Elastic Cloud Server Huawei Cloud Flexus Dedicated Host Bare Metal Server

Image Management Service

Network and Security Security Groups Elastic IP Key Pair

Storage and Backup Elastic Volume Service Cloud Backup and Recovery Cloud Server Backup Service

Image Management Service

Image Management Service ⓘ

IMS is now in commercial use. Any private images stored will be billed according to IMS pricing.
IMS is now in commercial use. From now on, you will be charged for using any IMS related resources, according to IMS pricing.

Public Images Private Images Images Shared with Me Go to KooGallery to publish images. Quick Guide

Image creation Create Now A private image can be a system disk image, data disk image, or full-ECS image. You can create or import a private image. [Learn more](#)

Image importing Import Now Select an import method based on the image file type, format, or size. [Learn more](#)

Image replicating Replicate an image within a region. [Learn more](#) Replicate an image across regions. [Learn more](#)

Image sharing You can share images with tenants in the same region as you. To share an image across regions, replicate the image to the target region first. [Learn more](#)

Image exporting You can export a private image to a standard OBS bucket and then download it to your local PC. [Learn more](#)

You are advised to optimize private images that do not support fast ECS creation. To check whether a private image supports this function, go to its details page. [Learn more](#)

You can create 97 more private images.

	Image	OS	Disk Capacity (G...)	Encry...	Signed	Boot ...	Cre...			
<input checked="" type="checkbox"/>	aziz_image-centos7.6 9ba19cdf-c0c8-4479-909d-1b18ade06e1	Normal	Linux	CentOS 7...	ECS syst...	40	No	No	BIOS	Jul 1
<input checked="" type="checkbox"/>	copy_aziz_wl... ae8c1472-64...	Normal	Windows	Windows ...	ECS syst...	40	No	No	BIOS	Jul 1
<input checked="" type="checkbox"/>	aziz_window... e78bfdd0-31...	Normal	Windows	Windows ...	ECS syst...	40	No	No	BIOS	Jul 1

5. Image Sharing and Permissions

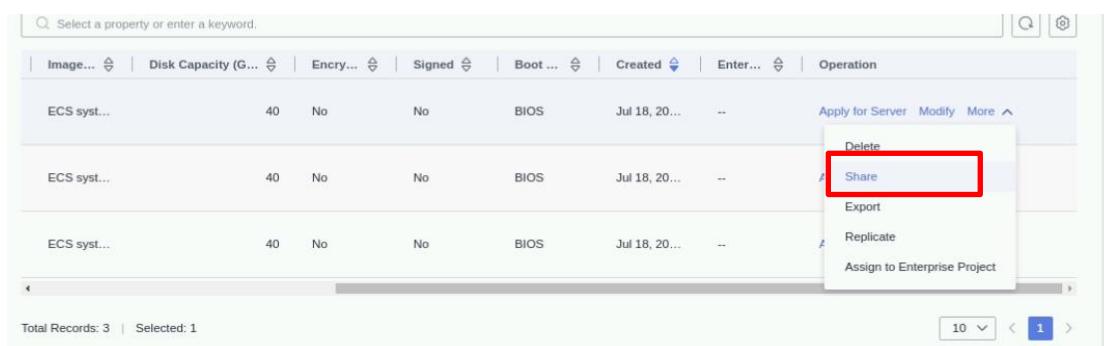
5.1 Image Sharing Attempt

- Retrieved **Project ID** from the personal HUAWEI CLOUD account (based in **CN-Hong Kong**).

- Attempted to share the image created in **AP-Singapore** region from the sandbox account.

5.2 Outcome

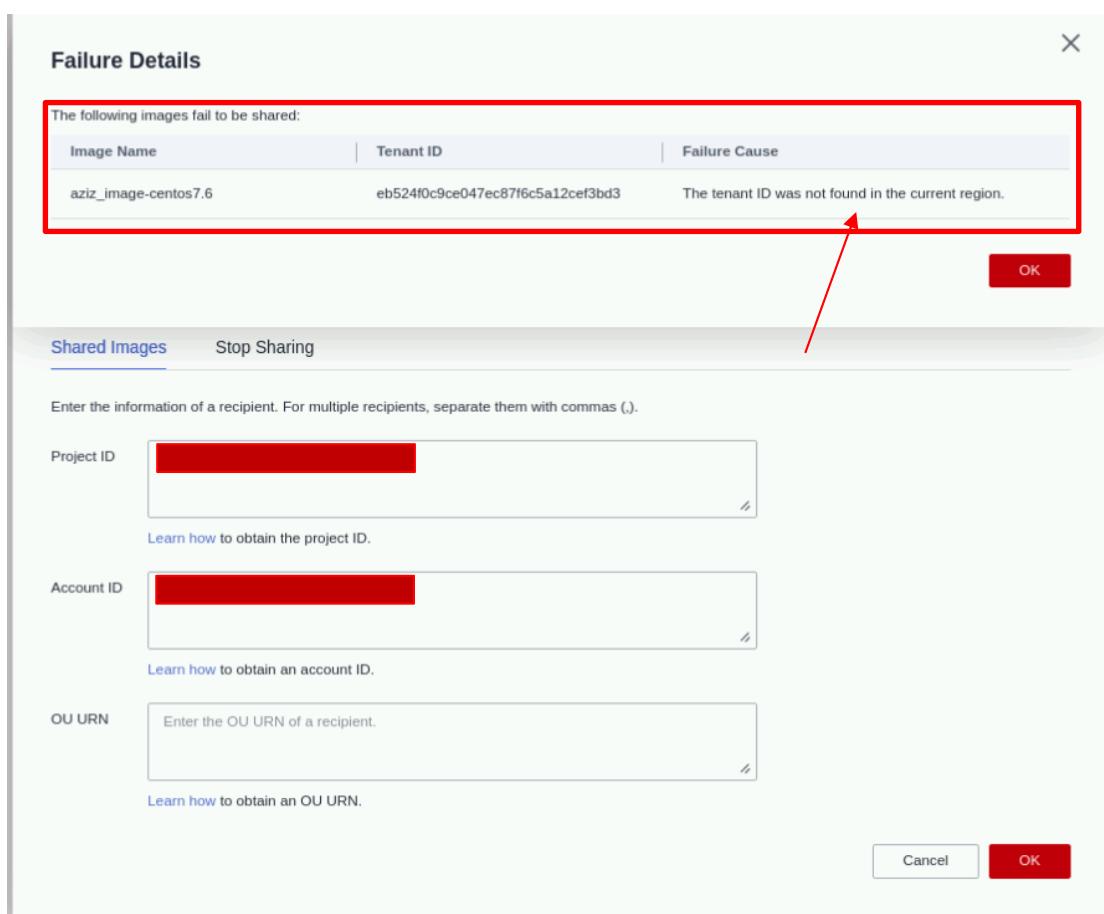
- Sharing failed due to regional incompatibility. The private image could not be accepted in an account registered in a different region.



Select a property or enter a keyword.

Image...	Disk Capacity (G...)	Encry...	Signed	Boot ...	Created	Enter...	Operation
ECS syst...	40	No	No	BIOS	Jul 18, 20...	--	Apply for Server Modify More ^
ECS syst...	40	No	No	BIOS	Jul 18, 20...	--	Delete Share Export Replicate Assign to Enterprise Project
ECS syst...	40	No	No	BIOS	Jul 18, 20...	--	

Total Records: 3 | Selected: 1



The following images fail to be shared:

Image Name	Tenant ID	Failure Cause
aziz_image-centos7.6	eb524f0c9ce047ec87f6c5a12cef3bd3	The tenant ID was not found in the current region.

Failure Details X

OK

Shared Images Stop Sharing

Enter the information of a recipient. For multiple recipients, separate them with commas (,).

Project ID Learn how to obtain the project ID.

Account ID Learn how to obtain an account ID.

OU URN Learn how to obtain an OU URN.

Cancel OK



6. Difficulties Encountered

6.1 Latency During Remote Operations

Despite a stable and fast internet connection, there was significant latency when using the lab environment:

- Delays in loading ECS interfaces via VNC
- Input lag during command entry and GUI interactions
- Slower response times overall during ECS login and configuration

This was likely due to the lab region (**AP-Singapore**) being physically distant from the user's location.

6.2 Cross-Region Image Sharing Limitation

Another challenge was encountered while attempting to share a private image with a personal Huawei Cloud account:

- The personal account was registered in the **CN-Hong Kong** region.
- The lab environment and image were based in the **AP-Singapore** region.
- As images are **region-specific**, they cannot be shared across different regions.
- The image could not be accepted or accessed from the CN-Hong Kong account.

7. Conclusion

This practice provided a complete overview of Elastic Cloud Server operations and image lifecycle management within the Huawei Cloud environment. Key takeaways include:

- How to create and configure ECS instances
- How to scale ECS resources by modifying specifications
- Steps to create, replicate, and deploy private system disk images
- Limitations of cross-region image sharing
- The importance of preparing ECS instances properly before image creation



This experience serves as a valuable foundation for deploying, scaling, and managing production-level cloud infrastructure on Huawei Cloud.