

04 Workspace Quick Start

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Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base
Bantian, Longgang
Shenzhen 518129
People's Republic of China

Website: <https://www.huawei.com>

Email: support@huawei.com

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1 Quickly Purchasing and Logging In to a Desktop

Scenarios

Workspace is a desktop service based on cloud computing. Unlike conventional PCs and VDIs, Workspace enables enterprises to quickly build office environments without investing a large amount of money and spending days in deployment. After purchasing a desktop, you can operate it as easily as using a local PC. This section describes how to purchase a desktop on the management console. For more information, see section "Introducing Workspace Purchase Options" in the *Workspace User Guide (Administrators)*.

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

- Quantity: 1
- Billing mode: pay-per-use
- Specifications: 4 vCPUs | 8 GB
- OS: Windows

Process

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.
Step 1: Purchase a Desktop	Log in to the Workspace console and purchase a desktop.
Step 2: Log In to the Desktop	Log in to the desktop using the downloaded SC, TC, or mobile client.

Preparations

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

Before purchasing a desktop, [sign up for a HUAWEI ID, enable Huawei Cloud services](#), and [complete real-name authentication](#).

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

Step 2 Top up your account.

Ensure that your account has sufficient balance. For details, see [Topping Up an Account](#).

Step 3 Plan networking resources, such as VPCs and subnets.

When you are purchasing a desktop, the system creates a default VPC and subnet.

If you do not want to use the default VPC and subnet, you can create a VPC and subnet in the desired region in advance. For more information, see [VPC Network Planning Suggestions](#).

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

When you are purchasing a desktop, the system creates a default security group. For details about default security groups, see [Default Security Groups and Rules](#).

If the default security group and rules cannot meet your service requirements, you can modify the rules. For details, see [Configuring Security Group Rules](#).

----End

Step 1: Purchase a Desktop

The following is an example for your reference only. For more information, see section "Purchasing a Desktop or Desktop Pool" in the *Workspace User Guide (Administrators)*.

Step 1 [Log in to the Workspace console](#).

Step 2 On the **Dashboard** page, click **Purchase Desktop**. The **Purchase Desktop** page is displayed.

Step 3 Determine whether to interconnect with an enterprise Windows AD domain.

NOTICE

After you purchase a desktop for the first time, the choice you make (whether to interconnect with a Windows AD domain or not) cannot be changed. Exercise caution when performing this operation.

- If you select **No Interconnection with AD**, go to step [Step 4](#).
After subscribing to the service, you can use the account authentication system of Huawei to authenticate users and manage user accounts on the Workspace console.

- If you select **Interconnection with AD**, configure a Windows AD domain. For details, see [Configuring an AD Domain](#). After the configuration information is saved, the Workspace service will be deployed.

After the service is subscribed, the existing unified AD of the enterprise is used to authenticate users and manage user accounts.

Step 4 Configure basic settings.

Figure 1-1 Basic settings

Billing Mode ⓘ Yearly/Monthly **Pay-per-use** ⓘ
 Yearly/Monthly is more favorable for long-term use, while pay-per-use is ideal for fluctuating desktop needs, allowing you to create or delete desktops as required.

Region ⓘ
 Desktops in different regions cannot communicate with each other over the intranet and need to be managed by region. You can create desktops in the same region.

Project ⓘ

AZ ⓘ Random AZ1 AZ2 AZ3 ⓘ
 To achieve better disaster recovery, you are advised to create desktops in different AZs.

Table 1-1 Basic settings

Parameter	Description	Example Value
Billing Mode	Desktops will be billed based on the usage duration. You can provision or delete resources at any time. For more information, see Billing Overview .	Pay-per-use
Region	For low network latency and fast resource access, select the region nearest to your target users. Once a desktop is purchased, its region cannot be changed. Exercise caution when selecting a region. For more information, see Regions and AZs .	CN South-Guangzhou
Project	A project corresponds to a region. Projects group and isolate compute, storage, and networking resources across physical regions. Users can be granted permissions in a default project to access all resources in the region associated with the project. For more refined access control, create subprojects under a project and purchase resources in the subprojects. Users can then be assigned permissions to access only specific resources in the subprojects.	cn-north-1
AZ	After you select Random , the system will select a default AZ based on your Universally Unique Identifier (UUID). Once a desktop is purchased, its AZ cannot be changed.	Random

Step 5 Set desktop specifications.

Figure 1-2 Desktop specifications

CPU Architecture

x86

Package Type

Ultimate

Specifications	vCPUs Memory	CPU	Package Description
☐ Ultimate Desktop	2vCPUs 4GB	x86	Ultimate Desktop 2vCPUs 4GB
☐ Ultimate Desktop	2vCPUs 8GB	x86	Ultimate Desktop 2vCPUs 8GB
☒ Ultimate Desktop	4vCPUs 8GB	x86	Ultimate Desktop 4vCPUs 8GB
☐ Ultimate Desktop	4vCPUs 16GB	x86	Ultimate Desktop 4vCPUs 16GB
☐ Ultimate Desktop	8vCPUs 16GB	x86	Ultimate Desktop 8vCPUs 16GB
☐ Ultimate Desktop	8vCPUs 32GB	x86	Ultimate Desktop 8vCPUs 32GB

Current Specifications: Ultimate | 4 vCPUs | 8 GB

Table 1-2 Desktop specifications

Parameter	Description	Example Value
Ultimate Desktop	Select appropriate specifications based on service requirements.	4vCPUs 8GB

Step 6 Select an image.

Image Type

PublicPrivate?

Windows

Windows Server 2022

Marketplace

Marketplace Images are provided by a third party.
Marketplace image invoices are issued by third parties as well.

Step 7 Configure one system disk and one or more data disks.

Figure 1-3 Disk settings

System Disk

High IO Disk

80

GB

Data Disk

High IO Disk

10

GB

Delete

+ Add

You can add 9 more data disks.

After the desktop is created, you will be billed for the disk until the desktop is deleted.

Disk Encryption

☐ Encryption

Enable encryption to enhance data protection.

Table 1-3 System disk and data disk parameters

Parameter	Description	Example Value
Disk Type	A system disk will be automatically created and initialized upon desktop purchase. It stores the OS of a desktop.	General Purpose SSD Disk
System Disk (GiB)		80
Data Disk (GiB)		10

Step 8 Click **Next: Advanced Settings**.

Step 9 Set the desktop network.

 NOTE

For details about how to create a VPC, see [Creating a VPC with a Subnet](#).

Figure 1-4 Network

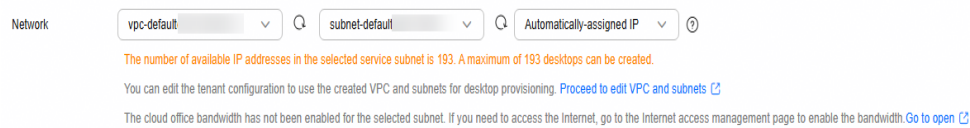


Table 1-4 Network parameters

Parameter	Description	Example Value
VPC	Use the default VPC and subnet. For more information, see VPC Network Planning Suggestions .	vpc-default
Subnet		subnet-default
IP address allocation mode		Automatically-assigned IP

Step 10 Click **Next: Assign Desktop**.

Click **Select User**. On the **Select User** page, select the desired users and click **OK**.

Figure 1-5 Parameters for assigning desktops

Desktop Assignment Type

ManuallyBatchNot assigned ?

Desktop User Type

Single-user ?

Desktop Naming Rule ?

Do not use

Q

Create Desktop Naming Rule

Managing Desktop Naming Rule

User Authorization

Select UserCreate User

Users with Assigned Desktops

Username	Permission Group	Batch Settings	(Optional) Desktop Name ?	Operation
No user is selected. Select User				

- Step 11 Click **Next: Confirm**.
- Step 12 Select an enterprise project as needed.
- Step 13 Read and agree to the agreement, and click **Buy Now**.
- Step 14 After the desktop is provisioned, administrators can view it in the desktop list.

Figure 1-6 Viewing desktops

Desktop List

StartStopTag InputTag OutputMoreExport

Select an attribute for filtering, or enter a desktop name to search.

Desktop ...	Monitorin...	Specifications	Image	Status	Conn...	Disk Status	AZ	IP Address	Enabl...
test0100001		4 vCPUS 8 GB	Windows Server 2022	Creating 31	Cann...	--	AZ3	--	Disabled

----End

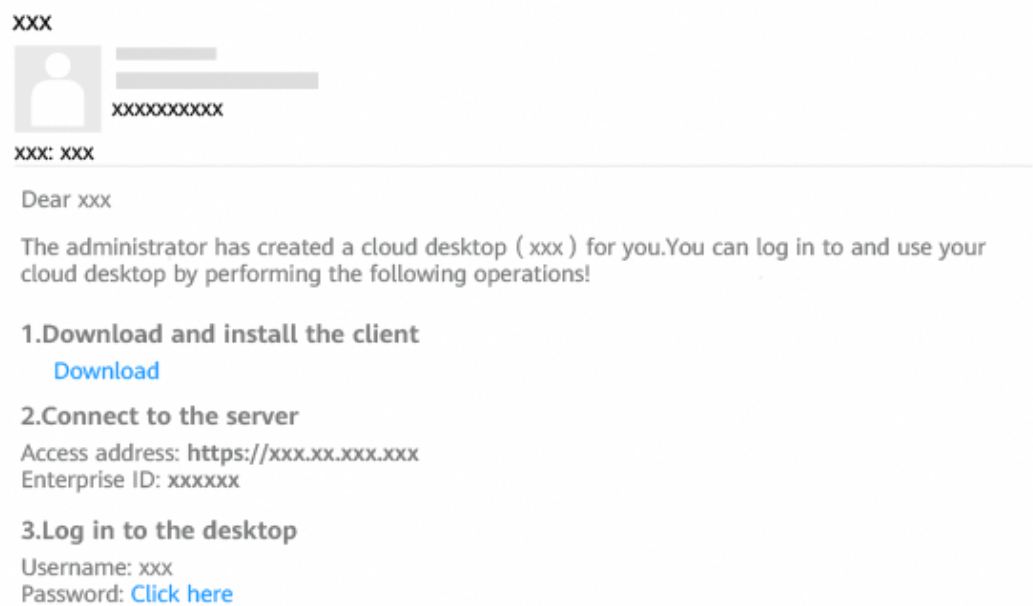
Step 2: Log In to the Desktop

This step applies only to the login to a desktop through an SC. For more login methods, see [Logging In to a Desktop](#).

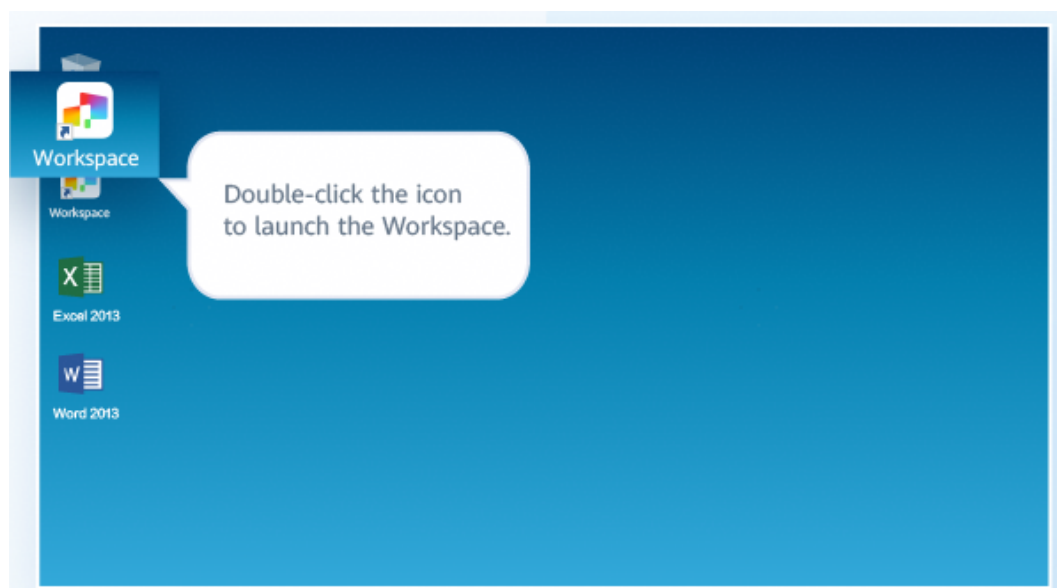
NOTE

- The login details for the newly created desktop will be emailed to the end user. The end user can activate the account, download the client, and configure the desktop as instructed.
- You can log in from a Windows 10 PC or a Mac running macOS 10.14 through 15.2.
- When security software displays a dialog box, allow the installation to continue.

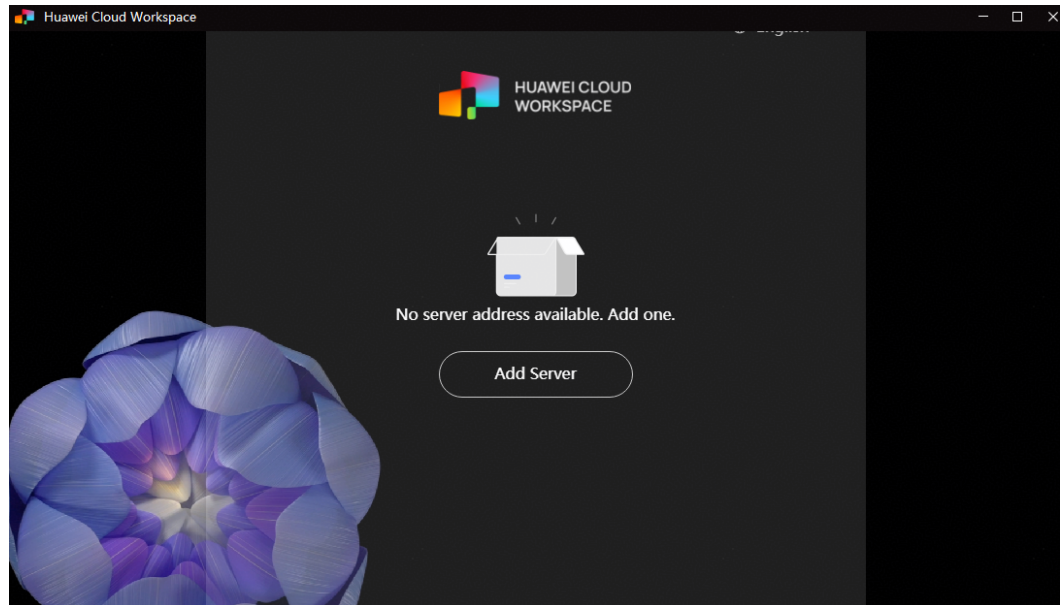
- Step 1 In the notification email, click the download link to go to the client download page, obtain the client installation package, and double-click it to run the installation program.



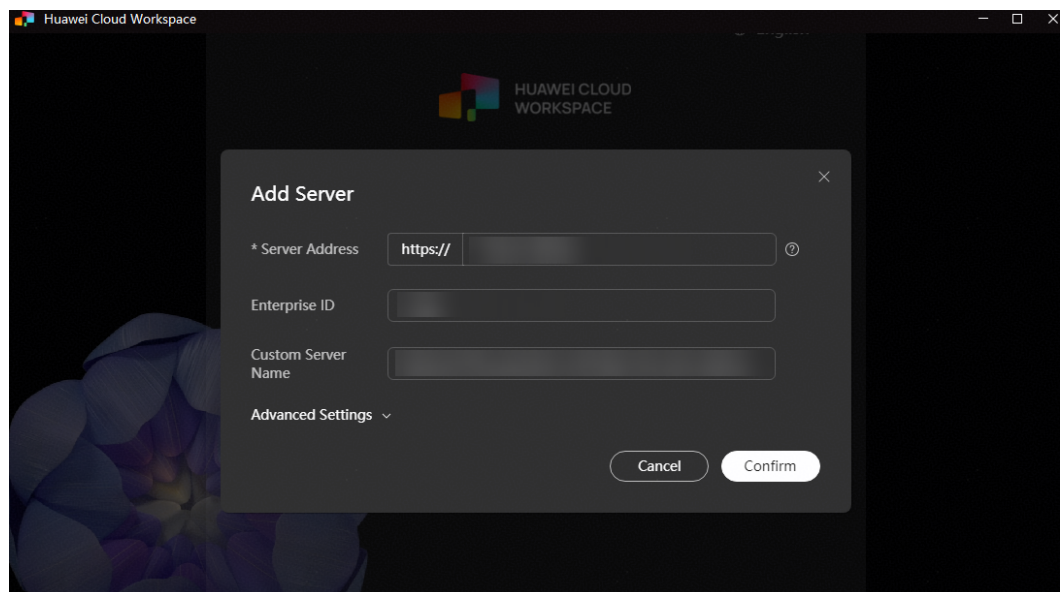
Step 2 Double-click the Huawei Cloud Workspace client.



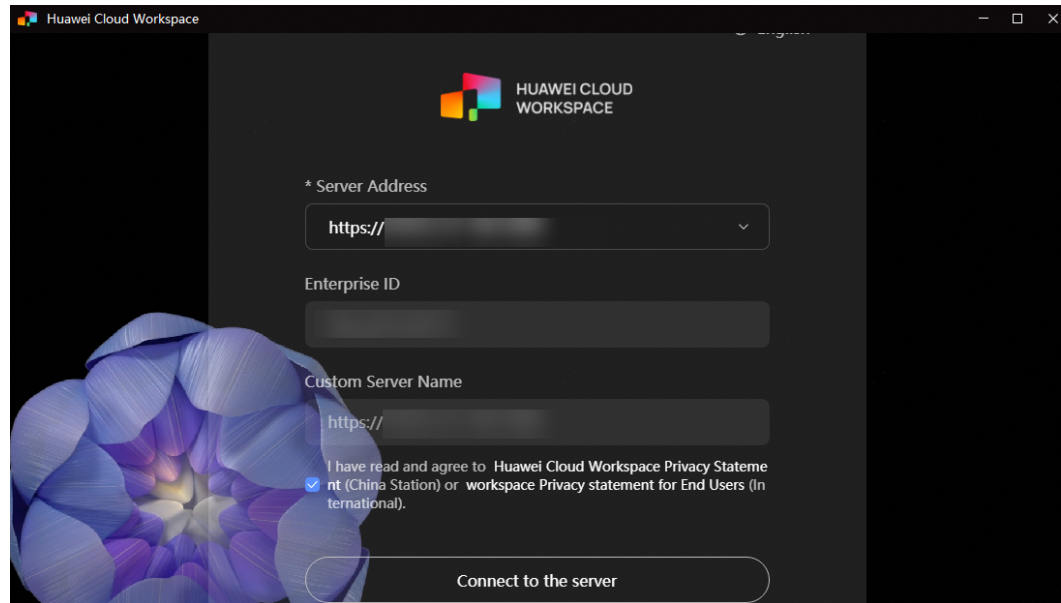
Step 3 On the Huawei Cloud Workspace page, click **Add Server**.



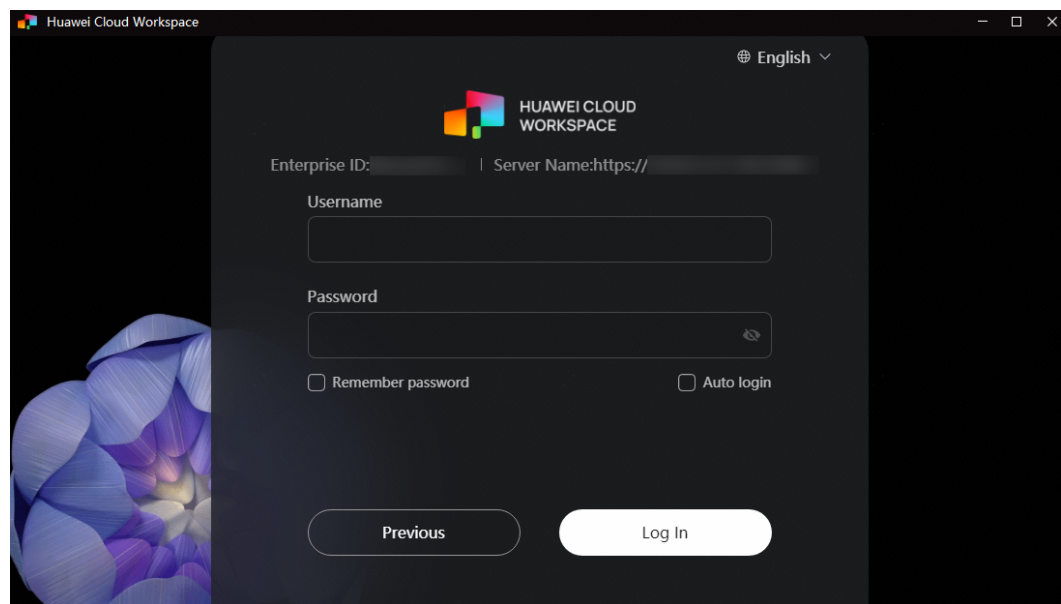
Step 4 On the server setting page, enter the server address and enterprise ID obtained from the email mentioned in step **Step 1** and click **Confirm**.



Step 5 Read and agree to the agreement, and click **Connect to the server**.



Step 6 Enter the username and password, and click **Log In**.



Step 7 Read and agree to the agreement. The desktop list is displayed. Click **Connect** to access the desktop.



----End

2 Quickly Purchasing a Desktop Pool and Logging In to a Desktop Within It

Scenarios

A desktop pool is a collection of image desktops with same specifications. It provides administrators with unified management and O&M capabilities for a group of desktops within a project. Administrators can create and manage desktop pools. Desktops within a pool support batch configuration, rapid scaling, and unified policy management. They are suitable for secure office, teaching and training, and mobile office scenarios. Desktop pools also provide a flexible deployment model and keep all data securely in the cloud.

- Quantity: 1
- Billing mode: Pay-per-use
- Pool type: Dynamic pool
- Specifications: 4 vCPUs | 8 GB
- OS: Windows

Process

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.
Step 1: Buy a Desktop Pool	Log in to the Workspace console and purchase a desktop pool.
Step 2: Log In to a Desktop Within the Desktop Pool	Log in to a desktop within the desktop pool using the downloaded SC, TC, or mobile client.

Preparations

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

Before purchasing a desktop, [sign up for a HUAWEI ID, enable Huawei Cloud services](#), and [complete real-name authentication](#).

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

Step 2 Top up your account.

Ensure that your account has sufficient balance. For details, see [Topping Up an Account](#).

Step 3 Plan networking resources, such as VPCs and subnets.

When you are purchasing a desktop, the system creates a default VPC and subnet.

If you do not want to use the default VPC and subnet, you can create a VPC and subnet in the desired region in advance. For more information, see [VPC Network Planning Suggestions](#).

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

When you are purchasing a desktop, the system creates a default security group. For details about default security groups, see [Default Security Groups and Rules](#).

If the default security group and rules cannot meet your service requirements, you can modify the rules. For details, see [Configuring Security Group Rules](#).

----End

Step 1: Buy a Desktop Pool

The following is an example for your reference only. For more details, see section "Purchasing a Desktop or Desktop Pool" in the *Workspace User Guide (Administrators)*.

Step 1 [Log in to the Workspace console](#).

Step 2 In the navigation pane, choose **Desktops > Desktop Pools**. The **Desktop Pools** page is displayed.

Step 3 Click **Purchase Desktop Pool**. The **Purchase Desktop Pool** page is displayed.

Step 4 Configure basic settings.

Figure 2-1 Basic settings

Billing Mode  Yearly/Monthly **Pay-per-use** 

Yearly/Monthly is more favorable for long-term use, while pay-per-use is ideal for fluctuating desktop needs, allowing you to create or delete desktops as required.

Region  

Desktops in different regions cannot communicate with each other over the intranet and need to be managed by region. You can create desktops in the same region.

Project 

Pool Name

Pool Type  ☒ Dynamic pool ☐ Static pool

Description 0/255 

AZ **Random** AZ1 AZ2 AZ3 

To achieve better disaster recovery, you are advised to create desktops in different AZs.

Table 2-1 Basic settings

Parameter	Description	Example Value
Billing Mode	Desktops will be billed based on the usage duration. You can provision or delete resources at any time. For more information, see Billing Overview .	Pay-per-use
Region	For low network latency and fast resource access, select the region nearest to your target users. Once a desktop is purchased, its region cannot be changed. Exercise caution when selecting a region. For more information, see Regions and AZs .	CN South-Guangzhou
Project	A project corresponds to a region. Projects group and isolate compute, storage, and networking resources across physical regions. Users can be granted permissions in a default project to access all resources in the region associated with the project. For more refined access control, create subprojects under a project and purchase resources in the subprojects. Users can then be assigned permissions to access only specific resources in the subprojects.	cn-north-1
Pool Name	User-defined desktop pool name. The value contains 1 to 15 characters. Only uppercase letters, lowercase letters, digits, and hyphens (-) are allowed.	DesktopPools
AZ	After you select Random , the system will select a default AZ based on your Universally Unique Identifier (UUID). Once a desktop pool is purchased, its AZ cannot be changed.	Random

Step 5 Set desktop pool specifications.

Figure 2-2 Desktop pool specifications

CPU Architecture

x86

Package Type

Ultimate

Specifications	vCPUs Memory	CPU	Package Description
☐ Ultimate Desktop	2vCPUs 4GB	x86	Ultimate Desktop 2vCPUs 4GB
☐ Ultimate Desktop	2vCPUs 8GB	x86	Ultimate Desktop 2vCPUs 8GB
☒ Ultimate Desktop	4vCPUs 8GB	x86	Ultimate Desktop 4vCPUs 8GB
☐ Ultimate Desktop	4vCPUs 16GB	x86	Ultimate Desktop 4vCPUs 16GB
☐ Ultimate Desktop	8vCPUs 16GB	x86	Ultimate Desktop 8vCPUs 16GB
☐ Ultimate Desktop	8vCPUs 32GB	x86	Ultimate Desktop 8vCPUs 32GB

Current Specifications : Ultimate | 4 vCPUs | 8 GB

Table 2-2 Desktop pool specifications

Parameter	Description	Example Value
Ultimate Desktop	Select appropriate specifications based on service requirements.	4vCPUs 8GB

Step 6 Select an image.

Image Type

Public

Private

Windows

Windows Server 2022

Marketplace

Marketplace

 Images are provided by a third party.
Marketplace image invoices are issued by third parties as well.

Step 7 Configure one system disk and one or more data disks.

Figure 2-3 Disk settings

System Disk

High IO Disk

80

GB

Data Disk

High IO Disk

10

GB

Delete

+

 Add You can add 9 more data disks.

After the desktop is created, you will be billed for the disk until the desktop is deleted.

Disk Encryption

☐ Encryption

Enable encryption to enhance data protection.

Table 2-3 System disk and data disk parameters

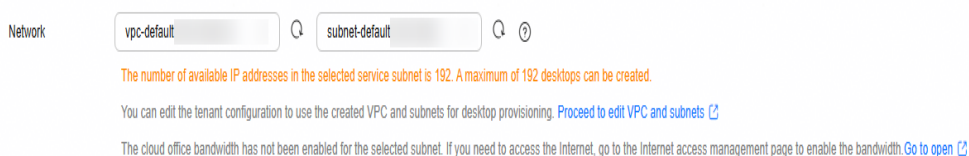
Parameter	Description	Example Value
Disk Type	A system disk will be automatically created and initialized upon desktop pool purchase. It stores the OS of a desktop.	General Purpose SSD Disk
System Disk (GiB)		80
Data Disk (GiB)		10

Step 8 Click **Next: Advanced Settings**.

Step 9 Set the desktop network.

 NOTE

For details about how to create a VPC, see [Creating a VPC with a Subnet](#).

Figure 2-4 Network**Table 2-4** Network parameters

Parameter	Description	Example Value
VPC	Use the default VPC and subnet.	vpc-default
Subnet	For more information, see VPC Network Planning Suggestions .	subnet-default

Step 10 Configure a scaling policy and the binding retention duration upon disconnection for the desktop pool.

Figure 2-5 Scaling Policy

Scaling strategy

After the scaling policy is enabled, the system automatically adjusts the number of desktops in the desktop pool dynamically based on the configuration to meet flexible business requirements.

The automatically created desktop is a desktop that is dynamically expanded based on the configuration. The billing mode for this desktop is pay-as-you-go.

Creation method

Pre-creation

During access

Automatically scale the number of desktops in a desktop pool based on the configured value.

Basic capacity

Minimum number of desktops

1

desktops

Expansion strategy

Reserved idle desktops

1

desktops

Maximum number of automatically created desktops

1

desktops

Reduction strategy

Idle desktop retention duration

0

minutes

Retention duration range: 0~43200 min

Disconnect and unbind retention duration

10

minutes

After the disconnection and unbinding retention period ends, the desktop will be unbound and reset. Please save the desktop data in time to avoid data loss.

Table 2-5 Desktop pool scaling policy

Parameter	Description	Example Value
Minimum Desktops	Minimum number of desktops reserved in a desktop pool. If the total number of desktops exceeds this value and idle desktops outnumber reserved idle desktops, the excess idle desktops will be automatically deleted. If the total number of desktops falls below this value, desktops will be automatically created to reach this value.	1
Reserved Idle Desktops	To improve user access efficiency, some idle desktops (those not assigned to users) can be reserved in a desktop pool. If the number of idle desktops in the current desktop pool does not reach the maximum number of auto-created desktops, desktops will be automatically created to reach the value of reserved idle desktops.	1

Parameter	Description	Example Value
Maximum Auto-Created Desktops	Set this limit to prevent excessive, unnecessary costs from continuous auto-creation in a desktop pool.	1
Idle Desktop Retention Duration	Excess idle desktops (not assigned to users) in a desktop pool can be retained for a configured duration before being automatically deleted. Excess idle desktops: This value represents the difference between total idle desktops and reserved idle desktops, when total desktops in a desktop pool outnumber minimum desktops.	0
Binding Retention Duration upon Disconnection	After a client user disconnects from a desktop, the desktop can be retained for a period of time. After the retention period expires, the desktop is automatically unbound from the user and reset.	10

Step 11 Click Next: Assign Desktop.

Click **Select User**. On the **Select User** page, select the desired users and click **OK**.

Figure 2-6 Parameters for assigning desktops

Desktop Naming Rule Do not use (Randomly named) [Create Desktop Naming Rule](#) [Managing Desktop Naming Rule](#)

User Authorization Select User Create User

Users with Assigned Desktops

Username	Permission Group	Batch	Settings	Operation
No user is selected. Select User				

User Group Authorization Select User Group Create User Group

Assigned User Group

User Group Name	User Group Type	Permission Group	Batch	Settings	Operation
No user is selected. Select User Group					

Step 12 Click Next: Confirm.**Step 13** Select an enterprise project as needed.**Step 14** Read and agree to the agreement, and click **Buy Now**.**Step 15** After the desktops are provisioned, administrators can view them in the desktop list.

Figure 2-7 Viewing desktop pools

----End

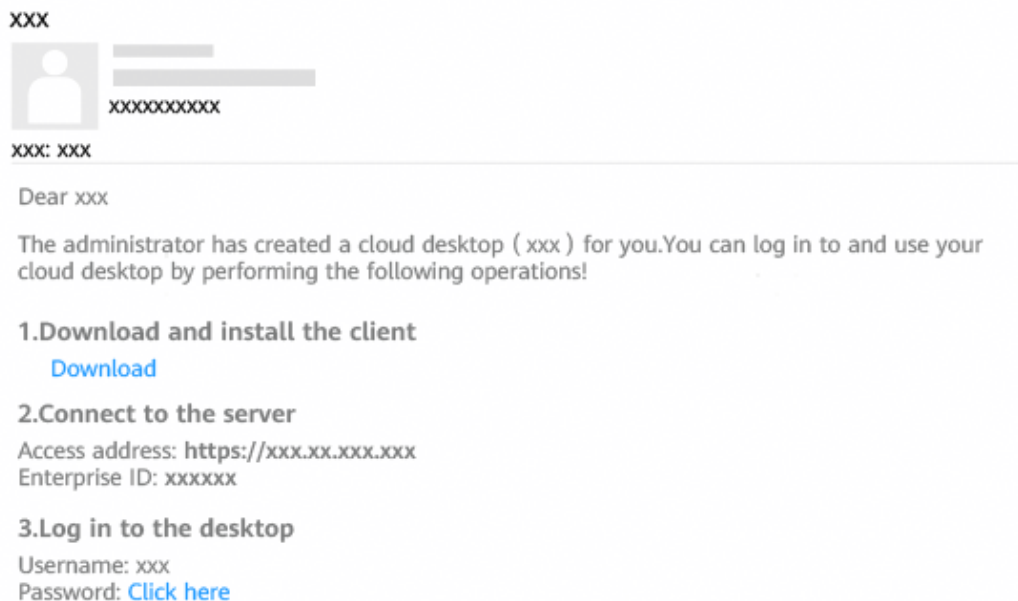
Step 2: Log In to a Desktop Within the Desktop Pool

This step applies only to the login to a desktop through an SC. For more login methods, see [Logging In to a Desktop](#).

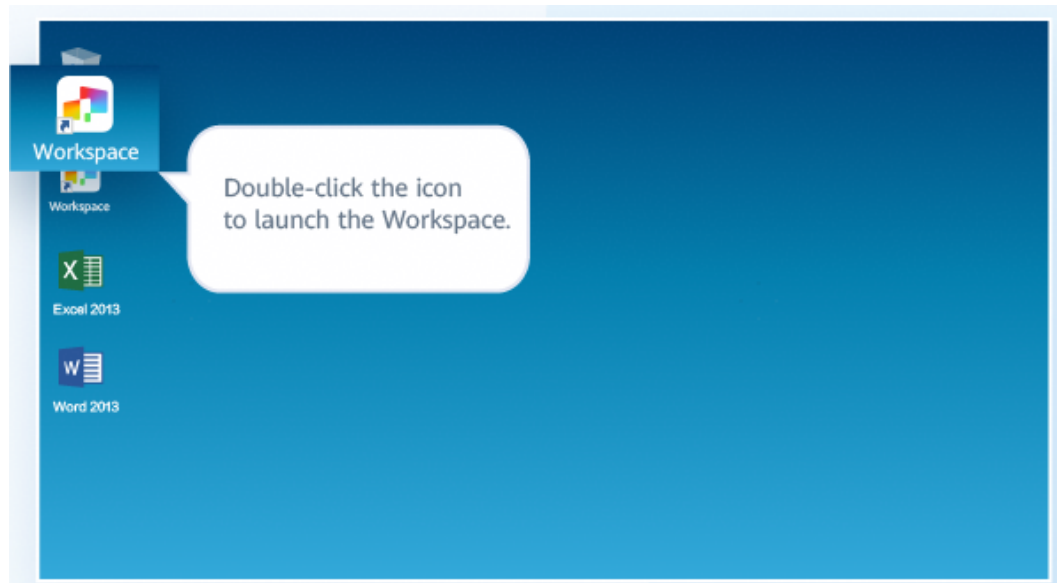
NOTE

- The login details for the newly created desktop will be emailed to the end user. The end user can activate the account, download the client, and configure the desktop as instructed.
- You can log in from a Windows 10 PC or a Mac running macOS 10.14 through 15.2.
- When security software displays a dialog box, allow the installation to continue.

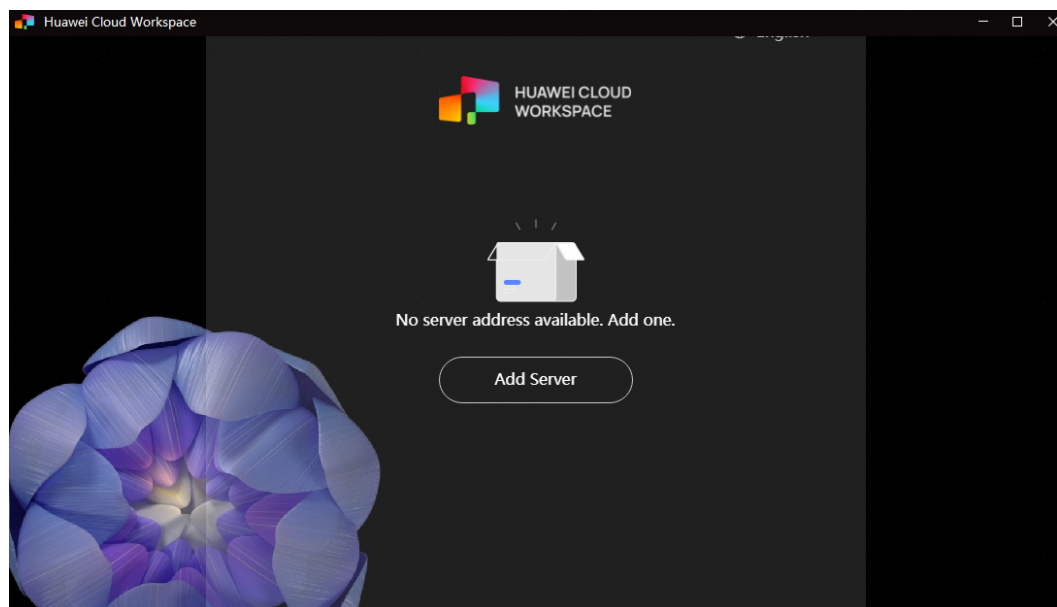
Step 1 In the notification email, click the download link to go to the client download page, obtain the client installation package, and double-click it to run the installation program.



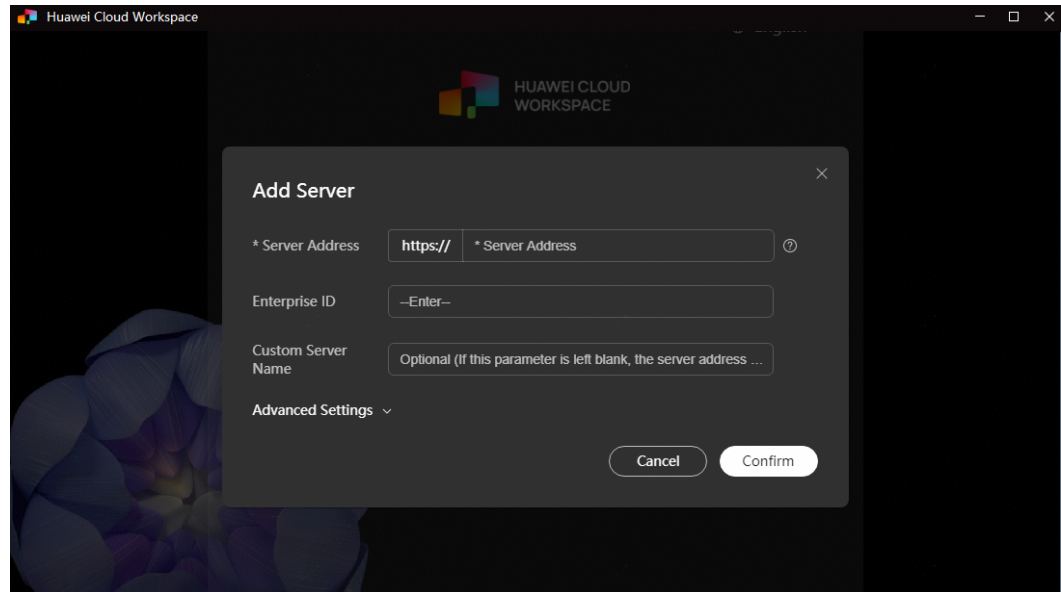
Step 2 Double-click the Huawei Cloud Workspace client.



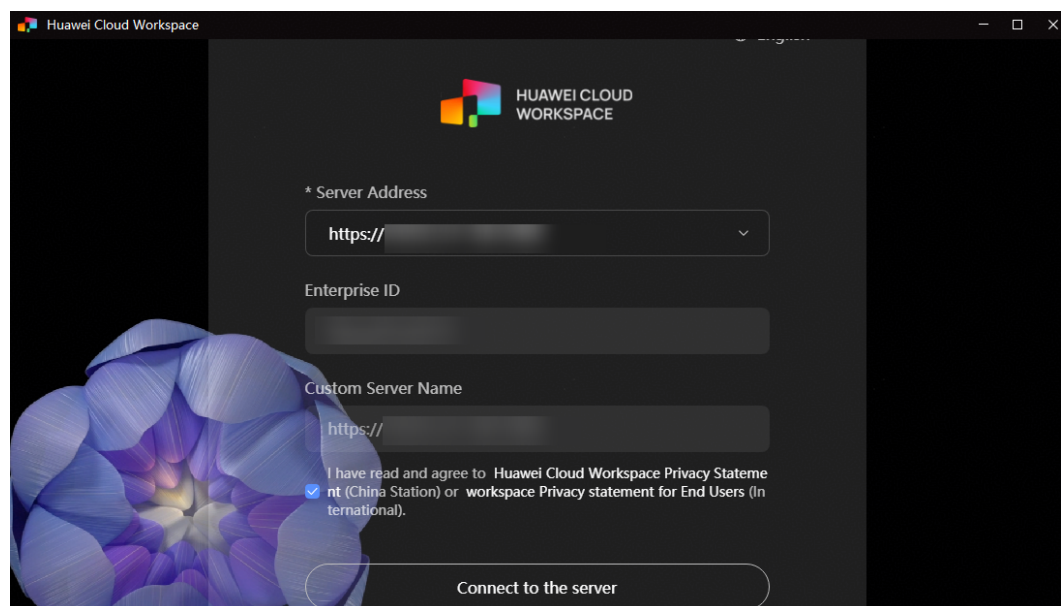
Step 3 On the Huawei Cloud Workspace page, click **Add Server**.



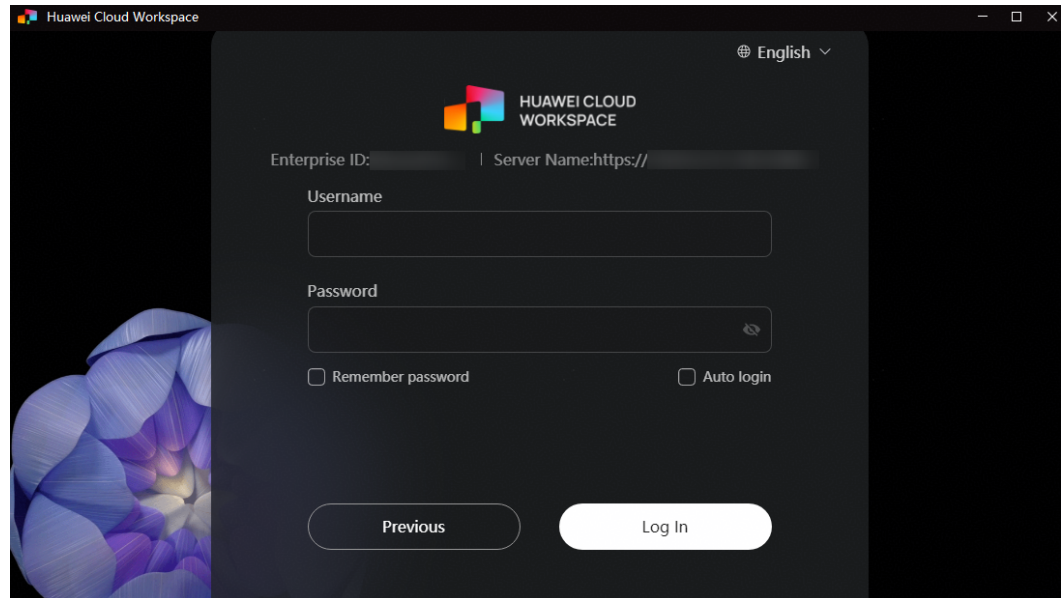
Step 4 On the server setting page, enter the server address and enterprise ID obtained from the email mentioned in step [Step 1](#) and click **Confirm**.



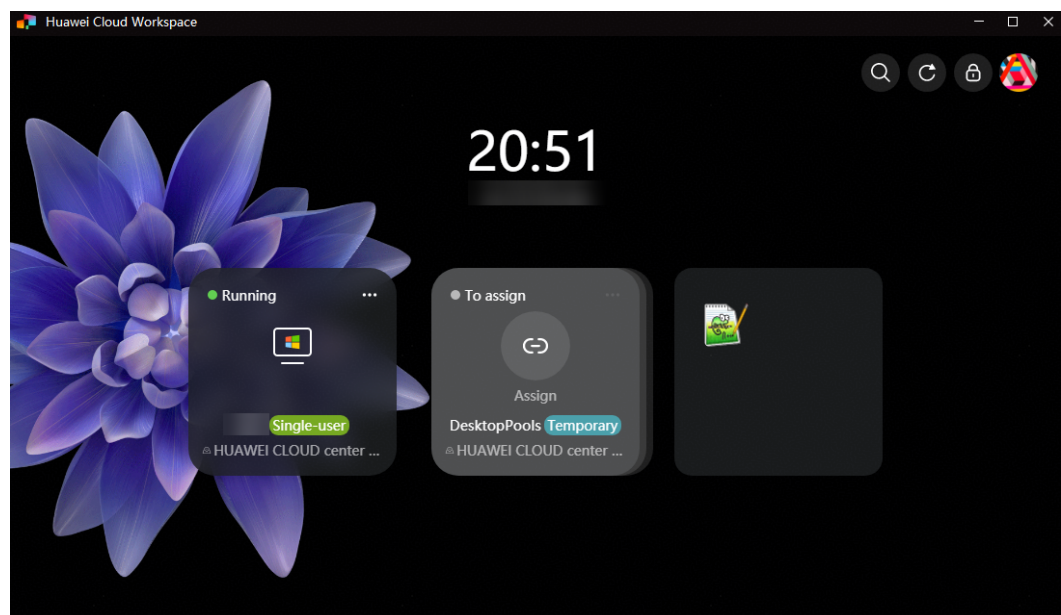
Step 5 Read and agree to the agreement, and click **Connect to the server**.



Step 6 Enter the username and password, and click **Log In**.



Step 7 Read and agree to the agreement. The desktop list is displayed. Click **Assign** to assign the desktop.



Step 8 Click **Connect** to access the desktop in the desktop pool.



----End