

KooPhone

User Guide

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Huawei Cloud Computing Technologies Co., Ltd.

Address: Huawei Cloud Data Center Jiaoxinggong Road
Qianzhong Avenue
Gui'an New District
Gui Zhou 550029
People's Republic of China

Website: <https://www.huaweicloud.com/intl/en-us/>

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1 Before You Start

Huawei Cloud KooPhone is a user-friendly, low-cost, and secure cloud phone service oriented for government agencies, enterprises, and Internet customers. It uses core technologies such as Arm server virtualization, audio/video encoding and decoding, and real-time transmission, and has a rich app ecosystem of Huawei devices.

Registering a HUAWEI ID and Enabling Huawei Cloud Services

For details, see [Registering a HUAWEI ID and Enabling HUAWEI CLOUD Services](#).

Completing Real-Name Authentication

Step 1 After [registering a HUAWEI ID and enabling Huawei Cloud services](#), complete individual or enterprise real-name authentication.

Step 2 For details, see [Real-Name Authentication](#).

----End

2 OBT Application

Apply for open beta test (OBT). After your application is approved, you can use KooPhone.

Prerequisites

OBT resources are limited. Only HUAWEI IDs that have completed real-name authentication can apply for OBT.

Procedure

To apply for an OBT, perform the following steps:

- Step 1** Go to the [KooPhone official website](#) and click **Apply Now**.
- Step 2** Fill in the OBT application form.
- Step 3** Click **Apply Now** to submit the application.

The system displays a message indicating that the OBT application has been submitted and will be approved within five working days.

- Step 4** Wait for the application to be approved.

After it is approved, the system notifies you by email (if an email address is entered in the application form) or SMS.

----End

3 About the Console

The **Overview** page displays the entry of buying cloud phones, service overview, usage guide, recommendations, highlights of KooPhone. For details, see [Table 3-1](#).

Figure 3-1 Overview page

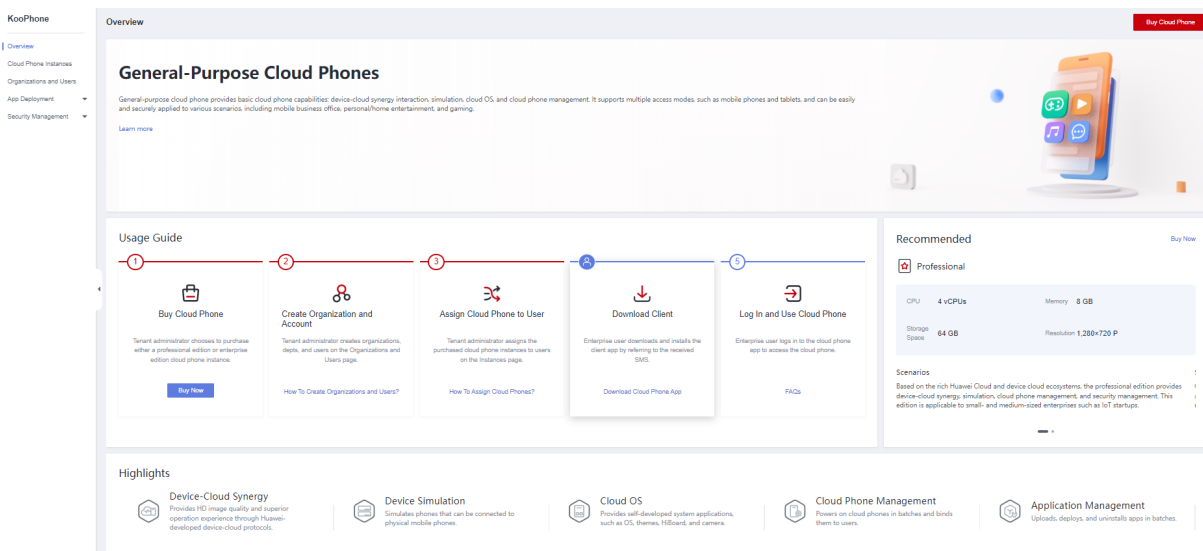


Table 3-1 Operations on the Overview page

Card	Operation	Description
KooPhone overview	Checking the service overview	KooPhone is a user-friendly and secure cloud phone service for government, enterprise, and Internet customers.
Usage Guide	Buying a cloud phone	An administrator buys a cloud phone of the professional or enterprise edition. NOTE Currently, only professional cloud phones are available.

Card	Operation	Description
	Creating an organization and adding a user	The administrator creates an organization, adds a user, and manages the user.
	Assigning a cloud phone to a user	The administrator assigns the cloud phone to the user on the Cloud Phone Instances page.
	Downloading the app	The user downloads the Android app by scanning the QR code on the KooPhone app download page .
	Signing in to and using a cloud phone	The user signs in to the KooPhone app and uses the cloud phone.
Recommended	Professional edition	Provides basic cloud phone capabilities, such as device-cloud synergy, cloud operating system (OS), and device simulation, for small- and medium-sized enterprises (SMEs) such as Internet startups.
Highlights	Device-cloud synergy	Cloud-pipe-device synergy, high definition (HD) image quality, and superior operation experience
	Device simulation	Simulates phones that can be connected to physical mobile phones.
	Cloud OS	Provides self-developed system apps, such as OS, themes, HiBoard, and camera.
	Cloud phone management	Powers on cloud phones in batches and binds them to users.
	App management	Uploads, deploys, and uninstalls apps in batches.

4 Cloud Phone Subscription

Scenarios

KooPhone is a user-friendly, cost-effective, and secure cloud phone service for government, enterprise, and Internet customers.

After learning the advantages of KooPhone, you can buy a cloud phone to try KooPhone.

Prerequisites

You have applied for the OBT and the application has been approved.

Procedure

- Step 1** Sign in to the KooPhone console and go to the **Overview** page.
- Step 2** Click **Buy Cloud Phone** in the upper right corner, or click **Buy Now** in the **Usage Guide > Recommended** area.
- Step 3** Complete basic settings as prompted and based on [Table 4-1](#).

Table 4-1 Parameters

Parameter	Description	Example
Billing Mode	Yearly/Monthly or pay-per-use. For details, see Billing .	Yearly/Monthly
Region	Cloud phones in different regions cannot communicate with each other over an intranet. For lower network latency and quicker resource access, select the nearest region.	AP-Singapore

Parameter	Description	Example
Cloud Phone Type	Cloud phone instance specifications vary between editions. For details, see Instance Specifications . NOTE Currently, only professional cloud phones are available.	Professional/ Enterprise edition
Cloud Phone Bandwidth	Select a bandwidth flavor as required.	4 Mbit/s or 8 Mbit/s

- **Yearly/Monthly:** You can set the required duration as required. The system deducts fees at a go.

 **NOTE**

Yearly/Monthly cloud phone instances cannot be deleted. They can only be renewed or unsubscribed. If you do not want to use a cloud phone anymore, choose **More > Unsubscribe** in the **Operation** column of the cloud phone on the **Cloud Phone Instances** page.

- **Pay-per-use:** You do not need to set the required duration when purchasing a pay-per-use cloud phone. The system deducts fees based on your actual usage duration.

 **NOTE**

Pay-per-use cloud phone instances cannot be unsubscribed. To stop using such an instance, choose **More > Delete** in the **Operation** column of the cloud phone on the **Cloud Phone Instances** page.

Step 4 Set the cloud phone name.

 **NOTE**

- A name contains up to 14 characters. Only letters, digits, hyphens (-), and underscores (_) are allowed.
- Cloud phone names are automatically suffixed with a number in ascending order. Example: If you enter **KooPhone**, cloud phone instance names start from **KooPhone-00001**.

Step 5 Select the required duration and quantity.

 **NOTE**

- **Duration:** Set the required duration for yearly/monthly instances. The duration ranges from one month to three years.
- **Auto-renew:**
 - Monthly subscriptions renew each month.
 - Yearly subscriptions renew each year. For details, see [Auto-renewing a Cloud Phone](#).
- **Quantity:** Set the number of cloud phones to purchase. The value ranges from 1 to 200.
- **Price:** price of the configured cloud phones.

Step 6 Read and agree to the agreements. Confirm the information and click **Pay Now**.

 **NOTE**

Skip this step if you select **Pay-per-use**.

Wait for several minutes. If the cloud phones are displayed in the cloud phone instance list, the purchase or subscription is successful.

----End

Follow-Up Operations

After buying a cloud phone, check its status, name, and other information on the **Cloud Phone Instances** page.

The newly purchased cloud phone is not assigned to any user. Create an organization and add users as required. For details, see [Organization and User Management](#).

5 Organization and User Management

5.1 Creating an Organization

Scenarios

After buying a cloud phone for the first time, an administrator must create an organization. The HUAWEI ID automatically becomes the organization creator, that is, the tenant administrator, and has all management permissions of the organization.

A HUAWEI ID can create up to five organizations. You can switch between organizations on the **Organizations and Users** page.

Prerequisites

You have bought a cloud phone instance on the console.

Procedure

Step 1 Sign in to the KooPhone console.

Step 2 In the navigation pane, choose **Organizations and Users**.

Step 3 Click **Create Organization**, enter the organization name, and click **Next Step**.

A name contains 1 to 60 characters, including letters, digits, and special characters.

Step 4 Set the domain name of the organization.

A domain name refers to the content following **www.** in a website address. For example, **example.com** in **www.example.com** is a domain name. Alternatively, a domain name refers to the content following the at sign (**@**) in an email address. For example, **example.com** in **username@example.com** is a domain name.

- If no domain name is available, enter the organization abbreviation. An abbreviation contains 2 to 30 characters, including letters and digits, for example, **abc**. The abbreviation will be suffixed with **.orgid.top**. Click **Next Step**.

Figure 5-1 Setting the organization domain name

Set organization domain name

Already have a domain name? [Use existing domain name >](#)

Domain name?

This is used by the organization admin to create accounts for members.

Organization abbreviation, Ex: "abc" .orgid.top

Must consist of 2-30 letters or numbers

Previous Next Step

- If a domain name is available, click **Use existing domain name** and enter the domain name. Click **Next Step**.

Figure 5-2 Using an existing domain name

Set organization domain name

No domain name? [Use free domain name >](#)

Domain name?

This is used by the organization admin to create accounts for members.

Organization domain name, Ex: "example.com"

Previous Next Step

After the domain name is set, when the administrator adds a member to the organization, the managed HUAWEI ID of the member is suffixed with the domain name by default. For example, if the organization domain name is **abc.orgid.top**, an added member account will be **xxx@abc.orgid.top**. If the domain name is **example.com**, an added member account will be **xxx@example.com**. The domain name cannot be changed after being set.

Step 5 Read the *Managed HUAWEI ID Service Agreement* and click **Agree**.

----End

5.2 Managing Departments

On the department management page, an administrator can add departments and sub-departments, and edit and delete departments to maintain the organizational structure.

Adding a Department

- Step 1** Sign in to the KooPhone console.
- Step 2** In the navigation pane, choose **Organizations and Users**.
- Step 3** In the upper left corner, select an organization.
- Step 4** Choose **Manage Dept > Add Dept**.
- Step 5** Set **Dept Name**, **Upper-Level Dept**, and (optional) **Dept Code**, and click **OK**.

 **NOTE**

After setting the department code, you can search for a department by code on the department management page.

----End

Follow-Up Operations

After adding a department, you can perform the following operations.

Table 5-1 Department management

Operation	Procedure
Editing a department	<ol style="list-style-type: none"> Locate the row that contains the target department and click Edit Dept in the Operation column. Edit the department information and click Update. <p>NOTE By default, a level-1 department is generated for an organization. This department cannot be edited.</p>
Adding a sub-department	<ol style="list-style-type: none"> Locate the row that contains the target department and click Add Sub-dept in the Operation column. Set Dept Name and (optional) Dept Code and click OK.
Deleting a department	<ol style="list-style-type: none"> Locate the row that contains the target department and click Delete in the Operation column. Click OK. <p>NOTE</p> <ul style="list-style-type: none"> Before deleting a department, delete all its sub-departments. Otherwise, the department cannot be deleted. Deleted departments cannot be restored.

5.3 Managing Members

On the member management page, an administrator can check member details, add or remove members, change member departments, and invite users with personal HUAWEI IDs to organizations.

Constraints

By default, an organization can have up to 200 members, including those invited.

Adding a Member

- Step 1** Sign in to the KooPhone console.
- Step 2** In the navigation pane, choose **Organizations and Users**.
- Step 3** In the upper left corner, select an organization.
- Step 4** Choose **Manage Member > Create Member**. Enter member information by referring to [Table 5-2](#), and click **Next**.

Table 5-2 Parameters for creating a member

Parameter	Description
Member Name	Name of a member. Enter up to 20 characters.
Member Account	Account set by the administrator for a member. The account is automatically suffixed with the organization domain name. Example: zhansan01@international.orgid.top
Mobile Number	Mobile number of the member. This parameter is required when the email address of the member is not specified.
Email Address	Email address of the member. This parameter is required when the mobile number of the member is not specified.
Set Password	Password set by the administrator for the member. You can select Auto generated or Set now . A custom password must: <ul style="list-style-type: none">• Contain at least eight characters.• Contain both letters and digits, and does not contain spaces. NOTE The member needs to change the password upon the first sign-in.
Dept	Department and sub-department to which the member belongs.
More information (optional)	Employee ID, Position, User Group, and Expired (account expiration time)

----End

Inviting a Member

- Step 1** In the upper left corner of the **Organizations and Users** page, select an organization.
- Step 2** Choose **Manage Member > Invite Member**.

- Step 3** Enter the information about the member and click **OK**. [Table 5-3](#) describes the parameters.

Table 5-3 Parameters for inviting a member

Parameter	Description
Name	Name of a member. Enter up to 20 characters.
Mobile Number	Personal mobile number of the member. NOTE Enter a mobile number containing the country code. Example: 008613812345678
Email	Personal email address of the member.
Member Type	Organization member or Organization admin .
Valid for	Three days.

- Step 4** Complete member information by referring to [Table 5-4](#). Then click **Save** or **Save and Continue**.

Table 5-4 Parameters for completing member information

Parameter	Description
Dept	(Mandatory) Department to which the member belongs.
Position	Position held by the member.
Role	Role of the member.
User Group	User group to which the member belongs. The member information will be displayed in the user group list.
Expiration Time	Expiration time of the member account. When the time arrives, the system automatically disables the account. If this parameter is left blank, the account is always valid.

----End

Importing Members

- Step 1** In the upper left corner of the **Organizations and Users** page, select an organization.
- Step 2** Choose **Manage Member > Bulk Import Members**.
- Step 3** Select the department to which the members are to be imported and click **OK**.

Step 4 Click **Download CSV File Template** to download the template, complete member information, upload the edited file, and click **OK** to import members in batches.

On the **Manage Member** page, click **Import History** to check the historical information about the imported members.

----End

Checking Member Details

Step 1 In the upper left corner of the **Organizations and Users** page, select an organization.

Step 2 Choose **Manage Member**.

Step 3 Select the target department. You can search for a department name and select the department in the search result.

Step 4 Locate the row that contains the target member and click **View Details** in the **Operation** column. The **Member Details** page is displayed.

Step 5 Edit the member information or remove the member.

----End

Resetting a Password

You can reset passwords of managed HUAWEI IDs of [members added to your organization](#).

Step 1 In the upper left corner of the **Organizations and Users** page, select an organization.

Step 2 Choose **Manage Member**.

Step 3 Select the target department. You can search for a department name and select the department in the search result.

Step 4 Locate the row that contains the target member and click **Reset Password** in the **Operation** column.

Step 5 On the **Reset Password** page, select **Generate automatically** or **Set manually**. If you select **Set manually**, enter a password. After setting the password, click **OK**.

----End

Changing the Department

Step 1 In the upper left corner of the **Organizations and Users** page, select an organization.

Step 2 Choose **Manage Member**.

Step 3 Select a department. You can search for a department name and select the department in the search result.

Step 4 Locate the row that contains the target member, choose **More > Change Dept** in the **Operation** column, select the destination department, and click **OK**.

----End

Renewing an Account

Step 1 In the upper left corner of the **Organizations and Users** page, select an organization.

Step 2 Choose **Manage Member**.

Step 3 Select the target department. You can search for a department name and select the department in the search result.

Step 4 Locate the row that contains the target member, choose **More > Renew** in the **Operation** column, select the new expiration time, and click **OK**.

----End

Freezing or Unfreezing a Member

Step 1 In the upper left corner of the **Organizations and Users** page, select an organization.

Step 2 Choose **Manage Member**.

Step 3 Select the target department. You can search for a department name and select the department in the search result.

Step 4 Locate the row that contains the target member and choose **More > Freeze** in the **Operation** column.

NOTE

- Only accounts in the **Normal** state can be frozen.
- Frozen accounts cannot be used.
- You can choose **More > Unfreeze** to unfreeze an account.

----End

Removing a Member

Step 1 In the upper left corner of the **Organizations and Users** page, select an organization.

Step 2 Choose **Manage Member**.

Step 3 Select the target department. You can search for a department name and select the department in the search result.

Step 4 Locate the row that contains the target member, choose **More > Remove** in the **Operation** column, and click **OK**.

 **NOTE**

- Accounts in the **Normal** state cannot be removed. Only accounts in the **Frozen** state can be removed.
- Removed members can no longer use their accounts.

----**End**

6 Cloud Phone Instance Management

6.1 Overview





On the **Cloud Phone Instances** page, you can check the instance details. Click  in the upper right corner above the list to customize columns. For details about mandatory and optional parameters, see [Table 6-1](#).

Table 6-1 Parameters

Parameter	Mandatory	Description
Cloud Phone Name/ID	Yes	The cloud phone name is customized when you buy a cloud phone. The cloud phone ID is assigned by the system to identify a cloud phone instance.
Region	Yes	Location of the physical data center of cloud phones. Different regions indicate different physical distances between a physical data center and users, as well as different levels of network latency. NOTE The region can only be set when you buy a cloud phone.
Flavors	Yes	Flavor of the cloud phone, including the vCPU and memory.
Running Status	Yes	Stopped, Running, Taking offline, Starting, or Powered off.
Login Status	No	Signed in or Signed out . Signed in indicates the cloud phone is streaming. Signed out indicates that the cloud phone is not streaming.
Assignment Status	No	Assigned or not assigned.

Parameter	Mandatory	Description
Username	No	Username set by the administrator for a member.
Account	No	Account name set by the administrator for the member.
Billing Mode	Yes	Yearly/Monthly or pay-per-use. The countdown to the expiration time or status information is also displayed. <ul style="list-style-type: none">• Normal: The expiration countdown is displayed (yearly/monthly) or the instance creation time is displayed (pay-per-use).• Frozen upon expiration: The Frozen state and deletion countdown are displayed.

Select one or more cloud phone instances to restart, power on, power off, renew, unsubscribe, or delete them, or uninstall apps. For details about how to uninstall apps, see [Uninstalling an App](#).

- Click the cloud phone ID to check information such as the name, region, flavor, and username. Enter a keyword in the search box or click  next to **Running Status** to filter data.
- Click  on the right to search for instances that meet the criteria.
- Click  in the upper right corner to refresh all instances.

6.2 Assigning a Cloud Phone to a User

After buying a cloud phone instance, you need to assign it to a user so that the user can use the cloud phone.

This section describes how to unbind or bind a user on the console.

Procedure

- Step 1** Sign in to the KooPhone console.
- Step 2** In the navigation pane, choose **Cloud Phone Instances**.
- Step 3** In the instance list, locate the target cloud phone instance.
 - Unbinding a user: Click **Unbind User** in the **Operation** column on the right to unbind the cloud phone instance from the user. The unbinding is successful, and the user's mobile number receives an SMS.

 CAUTION

Unbinding the user will initialize the cloud phone instance and clearing personal data.

- Binding a user: Click **Bind User** in the **Operation** column on the right.
 - a. On the displayed page, select an organization and a user, and click **OK**. You can enter a username or account to search for a user.
 - b. Confirm the user information and click **OK**.
 - c. The user receives an SMS indicating that the binding is successful.

----End

6.3 Restarting a Cloud Phone Instance

This section describes how to restart a cloud phone instance on the console.

Prerequisites

Only cloud phone instances in the **Running** state can be restarted.

Procedure

Step 1 Sign in to the KooPhone console.

Step 2 In the navigation pane, choose **Cloud Phone Instances**.

Step 3 Restart one or more cloud phone instances.

- In the instance list, select one or more cloud phone instances and click **Restart** in the upper left corner above the list.
- In the instance list, locate a cloud phone instance and click **Restart** in the **Operation** column on the right.

Step 4 In the displayed dialog box, click **OK**.

----End

Result

The cloud phone instance status is **Running**.

6.4 Powering on a Cloud Phone Instance

This section describes how to power on a cloud phone instance on the console.

Prerequisites

Only cloud phone instances in the **Stopped** or **Powered off** state can be powered on.

Procedure

Step 1 Sign in to the KooPhone console.

Step 2 In the navigation pane, choose **Cloud Phone Instances**.

Step 3 Power on one or more cloud phone instances.

- In the instance list, select one or more cloud phone instances and click **Power On** in the upper left corner above the list.
- In the instance list, locate a cloud phone instance and choose **More > Power On** in the **Operation** column on the right.

Step 4 In the displayed dialog box, click **OK**.

----End

Result

The cloud phone instance status is **Running**.

6.5 Powering off a Cloud Phone Instance

This section describes how to power off a cloud phone instance on the console.

Prerequisites

Only cloud phone instances in the **Running** state can be powered off.

Procedure

Step 1 Sign in to the KooPhone console.

Step 2 In the navigation pane, choose **Cloud Phone Instances**.

Step 3 Power off one or more cloud phone instances.

- In the instance list, select one or more cloud phone instances and click **Power Off** in the upper left corner above the list.
- In the instance list, locate a cloud phone instance and choose **More > Power Off** in the **Operation** column on the right.

Step 4 In the displayed dialog box, click **OK**.

----End

Result

The cloud phone instance status is **Powered off**.

6.6 Renewing a Cloud Phone Instance

If you want to continue using a yearly/monthly cloud phone instance, you can renew the instance before it expires.

Procedure

Step 1 Sign in to the KooPhone console.

Step 2 In the navigation pane, choose **Cloud Phone Instances**.

Step 3 Renew one or more cloud phone instances.

- In the instance list, select one or more cloud phone instances and choose **More > Renew** in the upper left corner above the list.
- In the instance list, locate a cloud phone instance and choose **More > Renew** in the **Operation** column on the right.

Step 4 In the displayed dialog box, click **OK**.

Step 5 The system redirects you to the renewal page, as shown in **Figure 6-1**.

Confirm the cloud phone instance to be renewed again and drag the slider to adjust **Renewal Duration**.

If you select **Renew on the standard renewal date**, all instances you renew this time will be renewed on the *X* day (the first day by default) of each month. You can click the edit icon to customize a date, as shown in **Figure 6-2**.

Figure 6-1 Renewal page

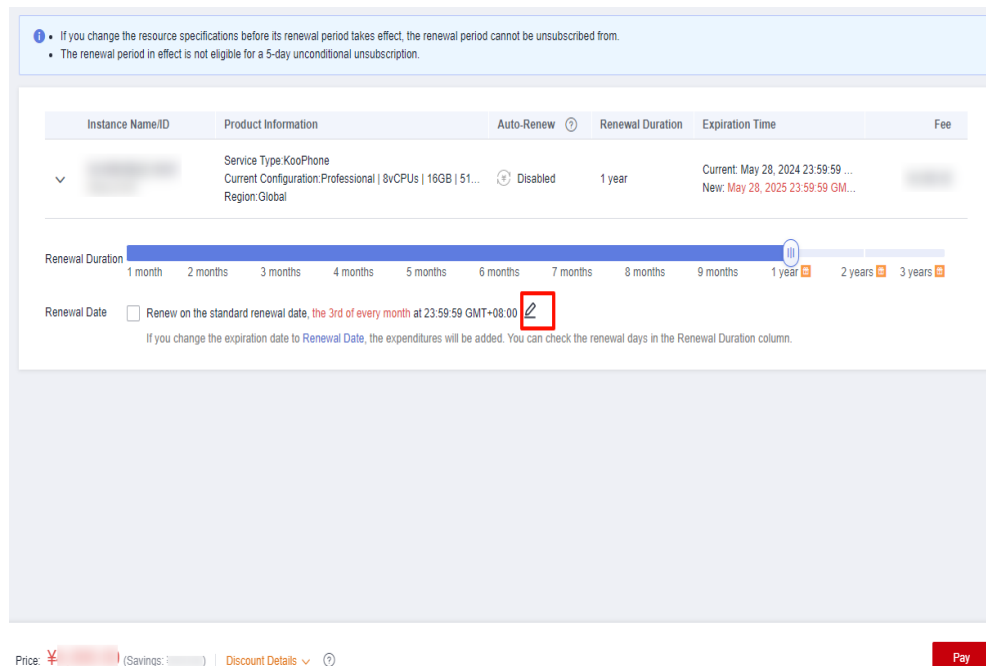
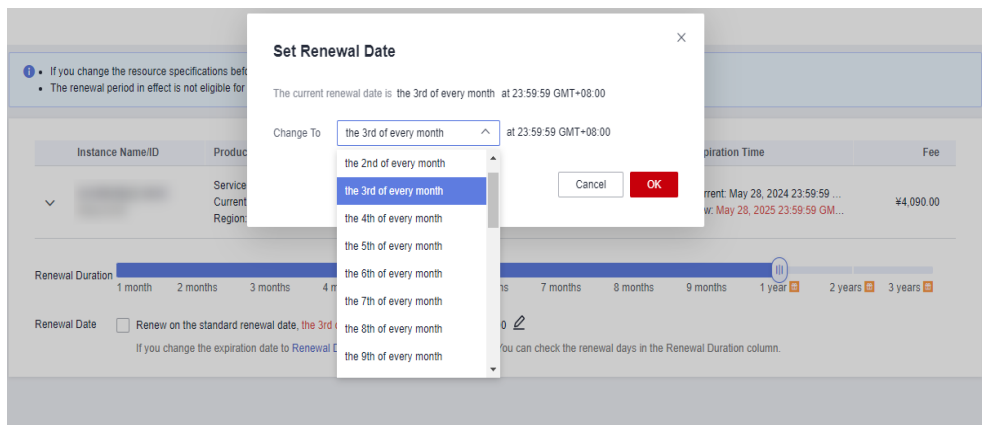


Figure 6-2 Setting a fixed renewal date

Step 6 After the settings are complete, click **Pay** and complete the payment as prompted.

----End

6.7 Unsubscribing from a Cloud Phone Instance

You unsubscribe from a yearly/monthly cloud phone instance within the billing period if you do not want to use it anymore.

Procedure

Step 1 Sign in to the KooPhone console.

Step 2 In the navigation pane, choose **Cloud Phone Instances**.

Step 3 Unsubscribe from one or more cloud phone instances.

- In the instance list, select one or more cloud phone instances and choose **More > Unsubscribe** in the upper left corner above the list.
- In the instance list, locate a cloud phone instance and choose **More > Unsubscribe** in the **Operation** column on the right.

Step 4 In the displayed dialog box, click **OK**.

Step 5 The system redirects you to the unsubscription page.

Confirm the cloud phone instances to be unsubscribed from again.

Step 6 Select **I understand a handling fee will be charged for this unsubscription and After being unsubscribed from, the resources not in the recycle bin will be deleted immediately and cannot be restored. I've backed up data or no longer need the data.**

Step 7 Click **OK** in the lower right corner.

Step 8 In the displayed dialog box, check the resources to be unsubscribed and deleted and click **OK**.

----End

 NOTE

Cloud phone instances that are **frozen for legal reasons or upon expiration** cannot be unsubscribed. Only cloud phone instances that are frozen upon violation or in the **Normal** state can be unsubscribed.

6.8 Deleting a Cloud Phone Instance

You can delete a pay-per-use cloud phone instance if you do not want to use it anymore.

Procedure

- Step 1** Sign in to the KooPhone console.
- Step 2** In the navigation pane, choose **Cloud Phone Instances**.
- Step 3** Delete one or more cloud phone instances.
 - In the instance list, select one or more cloud phone instances and choose **More > Delete** in the upper left corner above the list.
 - In the instance list, locate a cloud phone instance and choose **More > Delete** in the **Operation** column on the right.
- Step 4** In the displayed dialog box, click **OK**.

----End

7 App Deployment

7.1 Managing the App Library

Overview

The **App Library** page displays all uploaded app packages and used storage space. You can upload and delete app packages, and install apps on specified cloud phone instances.

- The **Used Storage** area displays the used space and total space. The total space of a single region is configured when you buy cloud phone instances in that region. The default total space is 1,000 MB. You can click **View Details** to check the usage details.

NOTE

Up to five regions are displayed in the **Used Storage** area. Regions are sorted in descending order of the total usage. If there are more than five regions, the **Show More** button is displayed. If there are five or fewer regions, the **View Details** button is displayed.





- By default, the app list displays the app name, app package name, version number, file size, upload area, and upload time. Click  in the upper right corner above the list to customize columns. For details about mandatory and optional parameters, see [Table 7-1](#).

Table 7-1 Parameters

Parameter	Mandatory	Description
App Name	Yes	App name entered during app upload. A name contains up to 20 characters. This parameter is a criterion in the search box.
App Package Name	Yes	Name of a local app. This parameter is a criterion in the search box.

Parameter	Mandatory	Description
App Version Number	Yes	Version number of the local app, which can be used for version comparison.
File Size (MB)	No	Size of the local app.
Upload From	No	Region of the cloud phone instance. You can select a region for an app.
Uploaded	No	Time when the app was uploaded.
Operation	Yes	Displays the Install button.
Description	No	App description entered during app upload. The value contains up to 100 characters. NOTE By default, the app description is not displayed in the app list. You can choose to display it when customizing columns.

- Click the app name to check the app package name. Enter a keyword in the search box or click  next to **Upload From** to filter data.
- Click  on the right to search for apps that meet the criteria.
- Click  in the upper right corner to refresh all apps.
- Click **Uninstall** above the app list to go to the **Cloud Phone Instances** page. For details, see [Uninstalling an App](#).

Uploading an App


Step 1 Sign in to the KooPhone console.

Step 2 In the navigation pane, choose **App Deployment > App Library**.

Step 3 Click **Upload App**. Configure app parameters based on [Table 7-2](#) and click **OK**.

Table 7-2 App parameters

Parameter	Description
App Name	App name entered during app upload. The value contains up to 20 characters.
Description	App description entered during app upload. The value contains up to 100 characters.

Parameter	Description
Upload From	Region of the purchased cloud phone instance. You can select a region from the drop-down list.
Upload App	Local app file to be uploaded, which must be an APK file. <ul style="list-style-type: none">• Click Add File and select a local file. Only one file can be uploaded at a time.• Click  to delete the temporarily uploaded app package and upload a new one.

Step 4 When the message "App uploaded" is displayed, click **OK**.

----End

Deleting an App

Step 1 In the app list on the **App Library** page, select one or more apps to be deleted.

Step 2 Click **Delete App** in the upper left corner above the list.

Step 3 Check the app name and other information. In the **Confirm** dialog box, enter information as prompted and click **OK**.

CAUTION

Batch deletion will clear app upload records in all upload regions.

Step 4 When the message "App Deleted" is displayed, click **OK**.

----End

Installing an App

Step 1 In the app list on the **App Library** page, locate the app to be installed.

Step 2 Click **Install** in the **Operation** column on the right.

Step 3 Select a cloud phone instance where the app is to be installed and click **OK**.

NOTE

- The list displays all purchased cloud phone instances. You can click a cloud phone name to check the flavor and username, or enter a keyword in the search box or click the filter button next to **Running Status** to filter data.
- Apps can only be installed on running cloud phones.

Step 4 When the message "Install App Requested" is displayed, click **OK**.

 **NOTE**

It takes some time to install the app. You can click **App Query** to check the installation progress.

----End

Uninstalling an App

Step 1 Sign in to the KooPhone console.

Step 2 In the navigation pane, choose **Cloud Phone Instances**.

Step 3 Uninstall an app from one or more cloud phones.

- In the instance list, select one or more cloud phone instances and choose **More > Uninstall App** in the upper left corner above the list.
- In the instance list, locate a cloud phone instance and choose **More > Uninstall App** in the **Operation** column on the right.

Step 4 In the displayed dialog box, enter the app package name and click **OK**.

 **NOTE**

When uninstalling an app from multiple cloud phones, a dialog box is displayed, showing the list of all cloud phone instances with this app installed.

An app can be uninstalled only from running cloud phones.

Step 5 When the message "Uninstall App Requested" is displayed, click **OK**.

 **NOTE**

It takes some time to uninstall the app. You can click **App Query** to check the uninstallation progress.

----End

7.2 Querying App Tasks

The **App Query** page displays app installation and uninstallation tasks.



- Enter an app package name in the search box or click  next to the task type or status to filter data.
- By default, the task list displays the task ID, task type, app package name, number of cloud phones, delivery time, and execution status. Click  in the upper right corner above the list to customize columns. For details about mandatory and optional parameters, see [Table 7-3](#).

Table 7-3 Parameters

Parameter	Description
Task ID	(Mandatory) It is automatically generated by the system to distinguish tasks.

Parameter	Description
Task Type	(Optional) App installation or App uninstallation .
App Package Name	(Mandatory) Name of a local app. This parameter is a criterion in the search box.
Cloud Phones	(Optional) Number of cloud phone instances selected when an app installation or uninstallation task is created.
Delivered	(Optional) Time when the task is created.
Execution Status	(Mandatory) Execution status of the task. The status can be executing or completed.
Operation	(Mandatory) You can view task details.

Viewing App Task Details

You can query the execution results of a created app installation or uninstallation task.

- Step 1** Sign in to the KooPhone console.
- Step 2** In the navigation pane, choose **App Deployment > App Query**.
- Step 3** Click **View Details** in the **Operation** column on the right of a task.
- Step 4** On the **App Deployment Details** page, view details and click **OK**.

NOTE

The list displays the execution results of all cloud phone instances in the task. You can enter a cloud phone name or ID in the search box or click the filter button next to the execution result to filter the cloud phone instances.

Cloud phone instances are sorted by execution result in the following sequence: **Failed > Executing > Unexecuted > Successful**.

Click the setting button in the upper right corner above the list to customize columns. Only the **Task Type** column is optional.

----End

8 Security Management

8.1 Anti-screen Capture

The **Anti-screen Capture** page displays your purchased cloud phone instances. You can enable or disable the anti-screen capture function for them.





- Click the cloud phone name to check information such as the ID, region, flavor, and username. Enter a keyword in the search box or click  next to **Status** to filter data.
- Click  on the right to search for instances that meet the criteria.
- Click  in the upper right corner to refresh all instances.
- By default, the list displays information such as the cloud phone name/ID, region, flavor, and username. Click  in the upper right corner above the list to customize columns. For details about mandatory and optional parameters, see [Table 8-1](#).

Table 8-1 Parameters

Parameter	Description
Cloud Phone Name/ID	(Mandatory) Name of a cloud phone defined when you purchased the cloud phone and ID that the system assigns to a cloud phone instance.
Region	(Mandatory) Location of the physical data center of cloud phones. Different regions indicate different physical distances between a physical data center and users, as well as different levels of network latency.
Flavors	(Mandatory) Flavor of the cloud phone, including the vCPU and memory.
Username	(Optional) Member name configured by the administrator.

Parameter	Description
Status	(Mandatory) Task execution status, which is Enabled or Disabled .

Enabling Anti-screen Capture

You can enable the anti-screen capture function for cloud phones.

- Step 1** Sign in to the KooPhone console.
- Step 2** In the navigation pane, choose **Security Management** > **Anti-screen Capture**.
- Step 3** In the instance list, select one or more cloud phone instances and click **Enable** in the upper left corner above the list.
- Step 4** On the displayed page, confirm the cloud phone instance information and click **OK**.
- Step 5** When the message "Enabled" is displayed, click **OK**.

----End

Disabling Anti-screen Capture

You can disable the anti-screen capture function for cloud phones.

- Step 1** In the instance list, select one or more cloud phone instances and click **Disable** in the upper left corner above the list.
- Step 2** On the displayed page, confirm the cloud phone instance information and click **OK**.
- Step 3** When the message "Disabled" is displayed, click **OK**.

----End

8.2 Video Watermarks

The **Video Watermark** page displays your purchased cloud phone instances. You can enable or disable the video watermark function for them.





- Click the cloud phone name to check information such as the ID, region, flavor, and username. Enter a keyword in the search box or click  next to **Status** to filter data.
- Click  on the right to search for instances that meet the filter criteria.
- Click  in the upper right corner to refresh all instances.
- By default, the list displays information such as the cloud phone name/ID, region, flavor, and username. Click  in the upper right corner above the list to customize columns. For details about mandatory and optional parameters, see [Table 8-2](#).

Table 8-2 Parameters

Parameter	Description
Cloud Phone Name/ID	(Mandatory) Name of a cloud phone defined when you purchased the cloud phone and ID that the system assigns to a cloud phone instance.
Region	(Mandatory) Location of the physical data center of cloud phones. Different regions indicate different physical distances between a physical data center and users, as well as different levels of network latency.
Flavors	(Mandatory) Flavor of the cloud phone, including the vCPU and memory.
Username	(Optional) Account name set by the administrator for a member.
Status	(Mandatory) Task execution status, which is Enabled or Disabled .

Enabling Video Watermark

You can enable the video watermark function for cloud phones.

- Step 1** Sign in to the KooPhone console.
- Step 2** In the navigation pane, choose **Security Management** > **Video Watermark**.
- Step 3** In the instance list, select one or more cloud phone instances and click **Enable** in the upper left corner above the list.
- Step 4** On the displayed page, confirm the cloud phone instance information and click **OK**.
- Step 5** When the message "Enabled" is displayed, click **OK**.

----End

Disabling Video Watermark

You can disable the video watermark function for cloud phones.

- Step 1** In the instance list, select one or more cloud phone instances and click **Disable** in the upper left corner above the list.
- Step 2** On the displayed page, confirm the cloud phone instance information and click **OK**.

Step 3 When the message "Disabled" is displayed, click **OK**.

----End




8.3 App Blacklists/Whitelists

On the **App Blacklist/Whitelist** page, you can view the blacklist or whitelist details, including ID, name, type, description, creation time, status, and available operations. For details, see [Table 8-3](#).

Table 8-3 Parameters

Parameter	Description
List ID	ID that the system assigns to the created list.
List Name	Custom name of the list. A name contains up to 20 characters.
List Type	Blacklist or Whitelist .
Description	Custom description of the list. The value contains up to 100 characters.
Created	Time when the list was created.
Status	Enabled or unopened .
Operation	Enable , Disable , Modify , and Delete .

You can set filter criteria above the list to filter the list.

- Click the list name to check the list ID. Enter a keyword in the search box or click  next to **List Type** or **Status** to filter data.
- Click  on the right to search for lists that meet the filter criteria.
- Click  in the upper right corner to refresh all lists.

Enabling a Blacklist/Whitelist

Step 1 In the list area, locate a created blacklist or whitelist.

 **NOTE**

All lists created by the tenant are displayed.

Step 2 Click **Enable** in the **Operation** column.

----End

Creating a Blacklist/Whitelist

If no blacklist or whitelist is available for an app, you can create one.

- Step 1** Sign in to the KooPhone console.
- Step 2** In the navigation pane, choose **Security Management > App Blacklist/Whitelist**.
- Step 3** Click **Create Blacklist/Whitelist**. Enter the blacklist or whitelist information based on [Table 8-4](#) and click **Next**.

Table 8-4 Blacklist or whitelist information

Parameter	Description
List Name	Custom name of the list. A name contains up to 20 characters.
List Type	Blacklist or Whitelist .
App Package Name	Name of a local app.
Description	Custom description of the list. The value contains up to 100 characters.

- Step 4** Select cloud phones and click **Next**.

 **NOTE**

Purchased cloud phone instances are displayed. You can enter a cloud phone name, ID, region, flavor, or username in the search box to filter the instances.

A cloud phone can be added to only one app blacklist or whitelist.

- Step 5** Confirm the list and cloud phone information and click **Submit**.
- Step 6** When the message "Created" is displayed, click **OK**.

----End

Modifying a Blacklist/Whitelist

- Step 1** On the **App Blacklist/Whitelist** page, locate a list to be modified and click **Modify** in the **Operation** column on the right.
- Step 2** Enter the blacklist or whitelist information based on [Table 8-4](#) and click **Next**.
- Step 3** Select cloud phones and click **Next**.
- Step 4** Confirm the list and cloud phone information and click **Submit**.
- Step 5** When the message "Modified" is displayed, click **OK**.

----End

Deleting a Blacklist/Whitelist

- Step 1** On the **App Blacklist/Whitelist** page, delete one or more lists.

- Select one or more lists and click **Bulk Delete** in the upper left corner above the list.
- Locate a list and click **Delete** in the **Operation** column on the right.

Step 2 In the **Confirm** dialog box, enter information as prompted and click **OK**.

----End

Disabling a Blacklist/Whitelist

Step 1 On the **App Blacklist/Whitelist** page, locate a list to be disabled and click **Disable** in the **Operation** column on the right.

Step 2 In the displayed dialog box, click **OK**.

----End

8.4 Encrypted Transmission

The **Encrypted Transmission** page displays your purchased cloud phone instances. You can enable or disable the encrypted transmission function for them.





- Click the cloud phone name to check information such as the ID, region, flavor, and username. Enter a keyword in the search box or click  next to **Status** to filter data.
- Click  on the right to search for instances that meet the filter criteria.
- Click  in the upper right corner to refresh all instances.
- By default, the list displays information such as the cloud phone name/ID, region, flavor, and username. Click  in the upper right corner above the list to customize columns. For details about mandatory and optional parameters, see [Table 8-5](#).

Table 8-5 Parameters

Parameter	Description
Cloud Phone Name/ID	(Mandatory) Name of a cloud phone defined when you purchased the cloud phone and ID that the system assigns to a cloud phone instance.
Region	(Mandatory) Location of the physical data center of cloud phones. Different regions indicate different physical distances between a physical data center and users, as well as different levels of network latency.
Flavors	(Mandatory) Flavor of the cloud phone, including the vCPU and memory.
Username	(Optional) Member name configured by the administrator.

Parameter	Description
Status	(Mandatory) Task execution status, which is Enabled or Disabled .

Enabling Encrypted Transmission

You can enable encrypted transmission for your cloud phones.

- Step 1** Sign in to the KooPhone console.
- Step 2** In the navigation pane, choose **Security Management** > **Encrypted Transmission**.
- Step 3** In the instance list, select one or more cloud phone instances and click **Enable** in the upper left corner above the list.
- Step 4** On the displayed page, confirm the cloud phone instance information and click **OK**.
- Step 5** When the message "Enabled" is displayed, click **OK**.

----End

Disabling Encrypted Transmission

You can disable encrypted transmission for your cloud phones.

- Step 1** In the instance list, select one or more cloud phone instances and click **Disable** in the upper left corner above the list.
- Step 2** On the displayed page, confirm the cloud phone instance information and click **OK**.
- Step 3** When the message "Disabled" is displayed, click **OK**.

----End

9 Download, Sign-in, and Use of the KooPhone App

9.1 Downloading the KooPhone App

Step 1 Visit the [app download page on the KooPhone official website](#) and scan the QR code to download the installation package.

Step 2 After the administrator creates a user account for you and assigns a cloud phone instance to you, you will receive an email indicating that the account is created. Use the account, password, and link in the email to sign in to the KooPhone app.

----End

•  **NOTE**

Android devices must run Android 6.0 or later.

9.2 Signing In to the KooPhone App

After downloading and installing the KooPhone app, you can sign in to it using the account and password in the email.

Prerequisites

- The administrator has added you as a user and assigned a cloud phone instance to you. For details, see [Organization and User Management](#).
- You have downloaded and installed the KooPhone app. For details, see [Downloading the KooPhone App](#).

Concepts

- Physical device

A physical device, such as a smartphone, tablet, or personal computer, has physical hardware.

- Cloud phone

A cloud phone is based on the cloud computing and provides a virtual mobile device environment through the Internet. Users can use any network-connected device to access cloud phones for operation and management.

A cloud phone is a virtual phone independent of a physical phone.

Procedure

Step 1 Start the KooPhone app.

When you sign in for the first time, read and agree to the *Privacy Policy*, *User Agreement*, and *SDK Collection Checklist* before continuing to use cloud phones.

Step 2 Enter an account and password and obtain a verification code to sign in.

NOTE

1. If you use a temporary password to sign in to the app for the first time, you need to change the password. A password contains at least eight characters. It is a combination of letters and digits. It cannot contain spaces.
2. When you sign in for the first time, the system asks you whether to trust the browser. If you trust the browser, you will not be asked for a verification code the next time you sign in.

----End

Result

After the sign-in is successful, you will access the cloud phone home screen. You can learn about the functions of the home screen as prompted upon the first sign-in.

Follow-Up Operations

- After accessing a cloud phone, tap the floating bubble on the desktop to check the network signal of the cloud phone. You can also restart and sign out of the cloud phone and set navigation keys.
- Use the cloud phone functions, such as downloading apps, and taking photos.

9.3 Setting the KooPhone App Permissions

When using the KooPhone app, you can grant permissions to the app to facilitate app use.

Tap the profile picture in the upper left corner of the app home screen to enter the personal center and tap **Privacy** > **Permissions** to set cloud phone permissions.

- **Read Clipboard Content**
Allows you to paste content copied from a physical device to a cloud phone. You are advised to grant this permission to synchronize clipboard content between a physical device and a cloud phone.
- **Obtain Storage**

Allows apps on a cloud phone to read or store information.

- **Obtain Phone**

Allows you to make calls and send SMS messages on a cloud phone.

- **Authorize access to**

Retains records of calls made on a cloud phone in the cloud phone instead of in a physical device.

- **Obtain Location**

Obtains accurate location information for apps or functions such as navigation and positioning.

Tap **Go to Settings** to set more permissions required by the KooPhone app.

9.4 Setting the KooPhone App

Log in to the KooPhone app. On the home screen, tap the settings button to perform basic settings on the cloud phone and restart the cloud phone.

Adding a Quick App to the App Home Screen

On the app home screen, tap the settings button and tap **Quick Apps** to add common functions to the home screen as quick apps. Then you can tap a quick app on the home screen to access the cloud phone and start the app.

Up to four quick apps can be added.

Synchronizing Messages Between a Physical Device and a Cloud Phone

To receive messages of cloud phone apps on a physical device even if you exit the cloud phone, you can enable message synchronization between the cloud phone and physical device.

1. Tap the settings button and tap **Message synchronization**.
2. Turn on **Notification Synchronisation** and select the apps for which you want to synchronize their messages.
3. Access the cloud phone, choose **Settings > Notifications**, and enable message notifications.

Submitting Feedback

If you find any problems when using a cloud phone or you want to provide suggestions, you can use the **Help and Feedback** function to provide feedback.

1. Tap the settings button and tap **Help and Feedback**.
2. Select **Feedback** or **Function error**.
3. Enter your feedback in the **Description** text box. If there is a function error, you can select **Auto upload logs**.
4. Tap **Submit**. The product team will contact you as soon as possible.

9.5 Accessing a Cloud Phone Desktop and Using the Cloud Phone

After installing and logging in to the KooPhone app, tap **Enter CloudPhone** on the app home screen to access the cloud phone desktop and start using the cloud phone.

Checking and Using the Desktop Floating Bubble

The desktop shortcut menu is hidden in the desktop floating bubble. You can drag the floating bubble to adjust its position, tap it to open the shortcut menu to check the network signal of the cloud phone, or perform the following operations:

- Enable **Voice Keep** to keep playing audio when audio and video apps run in the background.
- Enable **Silent** to mute the cloud phone.
- Enable **PiP** to perform background operations after exiting the KooPhone app.
- Tap **Navigation** to set the navigation mode of the cloud phone.
- Tap **Home** to return to the cloud phone desktop.
- Tap **Restart** to restart the cloud phone.
- Tap **Sign Out** to return to the app home screen.

Downloading Apps

System apps such as clock, album, camera, and calendar are pre-installed. You can tap AppGallery, search for apps such as game, office, and entertainment apps, and download and install them.

10 Permissions Management

10.1 Creating a User and Granting KooPhone Permissions

You can use [Identity and Access Management \(IAM\)](#) for fine-grained permissions control for your Huawei Cloud KooPhone resources.

With IAM, you can create IAM users for employees and grant them permissions to access and operate Huawei Cloud resources.

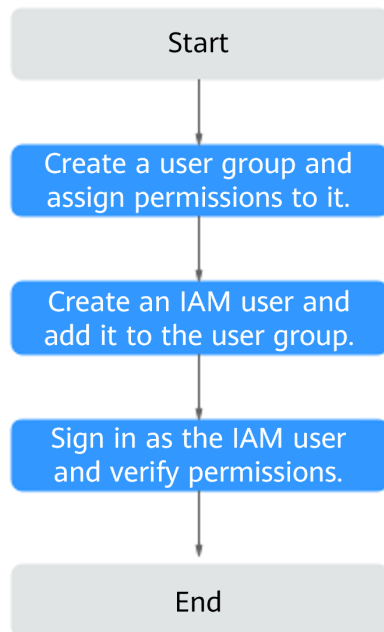
If your Huawei Cloud account does not require individual IAM users, you may skip over this section. This section describes the procedure for granting user permissions. [Figure 10-1](#) shows the process flow.

Prerequisites

New IAM users do not have any permissions assigned by default. You need to first add them to one or more groups and then attach policies or roles to these groups. The users then inherit permissions from the groups and can perform specified operations on cloud services based on the permissions. Before granting permissions to user groups, learn about system-defined roles and relationships between common KooPhone operations and system-defined permissions in [Permissions Management](#).

Process Flow

Figure 10-1 Process for granting KooPhone permissions



To grant the KooPhone permissions, perform the following steps:

- Step 1** On the IAM console, **create a user group and grant it permissions** (KooPhone Administrator as an example).
- Step 2** **Create an IAM user and add it to the created user group.**
- Step 3** **Sign in as the IAM user** and verify permissions.

Choose **Service List > KooPhone**. On the **Overview** page, if the **Buy Cloud Phone** button is displayed in the upper right corner, the KooPhone Administrator policy is in effect. If the button is not displayed, you have the read-only permissions.

----End

10.2 System Agencies

KooPhone depends on various cloud service resources, such as compute and storage resources. Therefore, when you sign in to the KooPhone console for the first time, KooPhone automatically requests to obtain cloud resource permissions in the current region to provide better services for you.

KooPhone requests the permissions to visit the following services:

- Compute
Cloud Phone Host (CPH) to provide virtualization management for cloud phone instances
- Networking
Virtual Private Cloud (VPC) to provide network access for cloud phones

- Storage
Object Storage Service (OBS) to provide storage for cloud phones

After you agree to the authorization, an agency named `kp_cph_trust` will be created on the IAM console to delegate the operation permissions on other resources in your account to Huawei Cloud KooPhone.

About the `kp_cph_trust` Agency

The `kp_cph_trust` agency is granted the CPH FullAccess, VPC FullAccess, and OBS Administrator permissions to use the CPH resources on which KooPhone depends. The authorization takes effect only in the current region.

NOTE

KooPhone depends on CPH, VPC, and OBS. If the CPH FullAccess, VPC FullAccess, or OBS Administrator permissions are not granted, KooPhone may fail to work properly. Therefore, do not delete or modify the `kp_cph_trust` agency when using KooPhone.