

Short Message Service Console Guide Product Documentation



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Console Guide

Console description

Last updated : 2020-08-03 10:52:00

The new version of console is displayed to users who activate the SMS service after September 18, 2019 by default.

Sending SMS

Currently, Tencent Cloud SMS provides Mainland China SMS and Global SMS services. You can configure SMS content in the console to send Mainland China and Global SMS messages. For detailed directions, please see the following documents:

Service	Document	Description
Mainland China SMS	<ul style="list-style-type: none">• Getting Started with Mainland China SMS (New)• Managing Mainland China SMS Signatures• Managing Mainland China SMS Body Templates• Sending Mainland China SMS	These documents describe how to configure Mainland China SMS content and send Mainland China SMS messages in the console.
Global SMS	<ul style="list-style-type: none">• Getting Started with Global SMS (New)• Managing Global SMS Signatures• Managing Global SMS Body Templates• Sending Global SMS	These documents describe how to configure Global SMS content and send Global SMS messages in the console.

Business Statistics

The SMS Console collects and displays details of Mainland China/Global SMS sending, delivery records, and failure analysis in multiple dimensions. For detailed directions, please see the following

documents:

Service	Document
Mainland China SMS Business Statistics	This document describes how to view the details of Mainland China SMS sending, delivery records, and failure analysis within a specified time period.
Global SMS Business Statistics	This document describes how to view the details of Global SMS sending, delivery records, and failure analysis within a specified time period.

Package Management

You can manage Mainland China SMS packages in the console. For detailed directions, please see the following documents:

Service	Document
Managing Packages	This document describes how to purchase a package and set a package balance alarm.

Application Management

Before using the Tencent Cloud SMS service to send SMS messages, you need to create an application in the console first. After the application is created, you can configure related parameters to use more SMS features. For detailed directions, please see the following documents:

Document	Description
Creating Applications	This document describes how to create an application.
Configuring Basic Information	This document describes how to configure the basic information of an existing application, including modifying application information, setting excessive messaging reminder, setting event callback configuration, and setting sending frequency limit.
Configuring Alarm Contacts	This document describes how to add a new contact and query or delete an existing contact.
Disabling or Deleting Applications	This document describes how to disable, enable, or delete an existing application. Once deleted, the application cannot be

restored directly; instead, you will have to submit a new application for review; therefore, please do so with caution..

General Management

You can manage the blocklist and unsubscribe users in the console. For detailed directions, please see the following documents:

Service	Document
Managing Blocklist	This document describes how to block a new mobile number and query or unblock a blocked number.
Managing Unsubscribed Users	This document describes how to query the unsubscription status of different types of messages under a signature and apply for cancelling unsubscription.
Configuring Reply Callback	This document describes how to enable reply callback and configure the URL.

Best Practice

The following documents describe how to send SMS messages in some common scenarios.

Service	Document
Sending Bulk Best Wishes Messages (for Organizational User)	This document describes how to quickly send bulk best wishes messages to members.

Mainland China SMS

Manage domestic SMS signatures

Last updated : 2020-04-17 19:48:05

A complete SMS message consists of **SMS signature** and **SMS body**. You can set different body templates based on your business needs and then combine a signature and a body into the final SMS content: [SMS signature] SMS body .

After an SMS signature is submitted, it will be reviewed within two hours generally. Review hours: Monday–Sunday, 9:00–23:00 (postponed accordingly in case of public holidays). You can set your mobile number and email address to receive review result notifications.

Creating a Signature

1. Log in to the [SMS Console](#).
2. Select **Mainland China SMS > Signature Management** on the left sidebar and click **Create Signature**.
3. Take into account your actual needs and

signature review standards

to set the following parameters:

- **Signature Type:** type of the SMS signature.
Organizational users can choose **Company, App, Website, Official Account/Mini Program, Trademark, or Government/public institution/other**.
Individual users can choose **App, Website, or Official Account/Mini Program**.
- **Signature Purpose:** purpose of the SMS signature. You can choose **For self-use** (the signature is a company name, website, product name, or something else verified under the current account) or **For others** (the signature is a company name, website, product name, or something else verified under other accounts).
- **Signature Content:** actual content of the SMS signature. There is no need to enter [], such as `Tencent Cloud` .
- **Certificate Type:** type of qualification and identity certificates used to apply for SMS signature.
- **Certificate Upload:** upload the photo or scan of the corresponding certificate according to the selected **Certificate Type**. Images in .jpg or .png format of less than 5 MB in size are supported.

- Authorization: this parameter appears only if the **Signature Purpose** is set to "For others".
 - i. Download and fill out the authorization letter, where the authorized party must be entered as the full name of the individual/organization verified under the current Tencent Cloud account, and the authorizing party must be entered as the full name of the entity to whom the signature belongs.
 - ii. Affix the official seal of the authorizing party onto the authorization letter.
 - iii. Upload a photo or scan of the authorization letter stamped with the official seal of the authorizing party. Images in .jpg or .png format of less than 5 MB in size are supported.
- Note: when applying for a signature of the **app, website, or WeChat Official Account or WeChat Mini Program** type, you must enter the information according to the Signature Review Standards. This parameter is optional for application for signatures of other types.

4. Click **OK**.

Waiting for signature review. The SMS signature will be available only after its status changes to **approved**.

Modifying a Signature

Note:

Modifications can be made only if the signature status is **pending review** or **rejected**. **Approved** signatures cannot be modified.

1. On the

Signature Management

page, you can view the signature information.

- ID: signature ID automatically generated by the system.
- Content: actual content of the SMS signature. The content of an approved signature can be specified as the value of the `sign` parameter when sending SMS via APIs or SDKs. If this parameter is not specified, the content of the first approved signature will be used by default.
- Status/Reason: status of the signature, including **pending review**, **rejected**, and **approved**. If the signature status is **rejected**, you can click **View Details** to view the detailed reason or suggestion.
- Time Applied: the time when the signature was created.

2. Click **Edit** on the line of a **pending review** or **rejected** signature, modify its information, and click **Confirm** to submit it for review again.

Deleting a Signature

When you no longer need a signature, you can delete it. **Once deleted, the signature cannot be restored directly; instead, you will have to submit a new application for review; therefore, please do so with caution.**

1. On the [Signature Management](#) page, click **Delete** on the line of the target signature.
2. In the dialog box that pops up, click **Delete**.

Manage domestic SMS text template

Last updated : 2020-04-17 19:48:05

A complete SMS message consists of **SMS signature** and **SMS body**. You can set different body templates based on your business needs and then combine a signature and a body into the final SMS content: [SMS signature] SMS body .

After an SMS signature or template is submitted, it will be reviewed within two hours generally. Review hours: Monday–Sunday, 9:00–23:00 (postponed accordingly in case of public holidays). You can set your mobile number and email address to receive review result notifications.

Creating a Body Template

1. Log in to the [SMS Console](#).
2. Select **Mainland China SMS > Template Management** on the left sidebar and click **Create Body Template**.
3. Set the following parameters as needed and according to the [body template review standards]:
 - Template Name: name of the template for easy identification.
 - SMS Type: the type of SMS that will be sent with this body template. Enterprise users can choose **Regular SMS** or **Marketing SMS**, while individual users can only choose **Regular SMS**.
 - SMS Content: body content of the SMS with less than 500 characters. Custom content can be configured, but it cannot contain only variables. Variables are in the format of {number} , and the numbers must be consecutive. Marketing SMS must contain an option for unsubscribing, such as Reply with T to unsubscribe .
 - Remarks: you can enter the sending scenario and recipient here, which is optional.
4. Click **OK**.

Waiting for body template review. The body template will be available only after its status changes to **approved**.

Modifying a Body Template

Modifications can be made only if the body template status is **pending review** or **rejected**. **Approved** body templates cannot be modified.

1. On the [Template Management](#) page, you can view the body template information.
 - ID: body template ID automatically generated by the system. The ID of an approved body template can be specified as the value of the `tpl_id` parameter when sending SMS via APIs or SDKs.
 - Content: actual content of the SMS body.
 - Status/Reason: status of the body template, including **pending review**, **rejected**, and **approved**. If the body template status is **rejected**, you can click **View Details** to view the detailed reason or suggestion.
 - Time Applied: the time when the body template was created.
2. Click **Edit** on the line of a **pending review** or **rejected** body template, modify its information, and click **Confirm** to submit it for review again.

Deleting a Body Template

When you no longer need a body template, you can delete it. **Once deleted, the body template cannot be restored directly; instead, you will have to submit a new application for review; therefore, please do so with caution.**

1. On the [Template Management](#) page, click **Delete** on the line of the target body template.
2. In the dialog box that pops up, click **Delete**.

Related Information

- Review process
- Body template review standards
- Sample body template
- [FAQs about body template](#)

Send domestic SMS messages

Last updated : 2020-04-17 19:48:06

Prerequisites

- The SMS signature and body template have been approved.
- A sufficient package has been purchased.

Directions

1. Log in to the [SMS Console](#).
2. Select **Mainland China SMS** > **Bulk SMS** on the left sidebar and click **Create Bulk SMS Task**.
3. Configure the following parameters as needed:
 - Signature Name: select an approved SMS signature to be used (different signatures are distinguished by signature name).
 - Template Name: select an approved body template to be used (different templates are distinguished by template name).
 - Delivery Time: select **Send Now** or **Send by Schedule**.
 - Recipient: click **Download Standard Template**, enter recipient's mobile number and custom SMS content in the form, and click **Select File** to upload it. The maximum form size supported is 30 MB.

Recipient's Mobile Number	SMS Content Variable 1	SMS Content Variable 2	SMS Content Variable N
Example: 139xxxxxxxx Instructions: please enter the mobile numbers of recipients. All the mobile numbers in one single SMS sending must be registered in Mainland China. The cells need to be in a regular	Example: test company A Instructions: please enter the first custom variable content according to the body template, i.e., replacing {1} in the template.	Example: server B Instructions: please enter the second custom variable content according to the body template, i.e., replacing {2} in the template.	Example: 100 USD Instructions: please enter the Nth custom variable content according to the body template, i.e., replacing {N} in the template.

format, i.e., without any specific number formats.				
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- Application: select the application that needs to send the SMS.
4. Click **OK**.
 5. Check the number of recipients, indicate your consent to the prompt about fees, and click **Send**. You can view the status of the task in the Delivery Records list. When the status is **sent**, the task has been completed.

Subsequent Operations

You can view the SMS delivery result in the following ways:

- On the **Mainland China SMS > Bulk SMS** page, click **Details & Report Analysis** on the line of the target task to view its detailed record and report analysis.
- Select **Statistics > Mainland China SMS** and you can filter and view the statistics and relevant analysis of Mainland China SMS by application, signature, body template, and time.

Related Documentation

You can also send SMS via APIs or SDKs. For detailed directions, please see [API documentation] or [SDK documentation](#).

GSMS

Manage international / Hong Kong, Macao and Taiwan SMS signatures

Last updated : 2020-04-17 19:01:35

A complete SMS message consists of **SMS signature** and **SMS body**. You can set different body templates based on your business needs and then combine a signature and a body into the final SMS content: [SMS signature] SMS body .

Signature is optional for Global SMS.

After an SMS signature is submitted, it will be reviewed within two hours generally. Review hours: Monday–Sunday, 9:00–23:00 (postponed accordingly in case of public holidays). You can set your mobile number and email address to receive review result notifications.

Creating Signature

1. Log in to the [SMS Console].
2. Select **Global SMS > Signature Management** on the left sidebar and click **Create Signature**.
3. Set the following parameters as needed and according to the [signature review standards]:
 - Signature Type: type of the SMS signature.
Organizational users can choose **Company, App, Website, Official Account/Mini Program, Trademark, or Government/public institution/other**.
Individual users can choose **App, Website, or Official Account/Mini Program**.
 - Signature Purpose: purpose of the SMS signature. You can choose **For self-use** (the signature is a company name, website, product name, or something else verified under the current account) or **For others** (the signature is a company name, website, product name, or something else verified under other accounts).
 - Signature Content: actual content of the SMS signature. There is no need to enter [], such as `Tencent Cloud` .
 - Certificate Type: type of qualification and identity certificates used to apply for SMS signature.
 - Certificate Upload: upload the photo or scan of the corresponding certificate according to the selected **Certificate Type**. Images in .jpg or .png format of less than 5 MB in size are

supported.

- Authorization: this parameter appears only if the **Signature Purpose** is set to "For others".
 - i. Download and fill out the [authorization letter](#), where the authorized party must be entered as the full name of the individual/organization verified under the current Tencent Cloud account, and the authorizing party must be entered as the full name of the entity to whom the signature belongs.
 - ii. Affix the official seal of the authorizing party onto the authorization letter.
 - iii. Upload a photo or scan of the authorization letter stamped with the official seal of the authorizing party. Images in .jpg or .png format of less than 5 MB in size are supported.
- Note: when applying for a signature of the **app**, **website**, or **WeChat Official Account or WeChat Mini Program** type, you must enter the information according to the [Signature Review Standards]. This parameter is optional for application for signatures of other types.

4. Click **OK**.

Waiting for signature review. The SMS signature will be available only after its status changes to **approved**.

Modifying Signature

Modifications can be made only if the signature status is **pending review** or **rejected**. **Approved** signatures cannot be modified.

1. On the [Signature Management](#) page, you can view the signature information.
 - ID: signature ID automatically generated by the system.
 - Content: actual content of the SMS signature. The content of an approved signature can be specified as the value of the `sign` parameter when sending SMS via APIs or SDKs. If this parameter is not specified, the content of the first approved signature will be used by default.
 - Status/Reason: status of the signature, including **pending review**, **rejected**, and **approved**. If the signature status is **rejected**, you can click **View Details** to view the detailed reason or suggestion.
 - Time Applied: the time when the signature was created.
2. Click **Edit** on the line of a **pending review** or **rejected** signature, modify its information, and click **Confirm** to submit it for review again.

Deleting Signature

When you no longer need a signature, you can delete it. **Once deleted, the signature cannot be restored directly; instead, you will have to submit a new application for review; therefore, please do so with caution.**

1. On the [Signature Management](#) page, click **Delete** on the line of the target signature.
2. In the dialog box that pops up, click **Delete**.

Related Information

- Review process
- Signature review standards
- [FAQs about signature](#)

Manage the text template of international / Hong Kong, Macao and Taiwan SMS

Last updated : 2020-04-17 19:00:15

A complete SMS message consists of **SMS signature** and **SMS body**. You can set different body templates based on your business needs and then combine a signature and a body into the final SMS content: [SMS signature] SMS body .

Signature is optional for Global SMS.

After an SMS signature is submitted, it will be reviewed within two hours generally. Review hours: Monday–Sunday, 9:00–23:00 (postponed accordingly in case of public holidays). You can set your mobile number and email address to receive review result notifications.

Creating Body Template

1. Log in to the [SMS Console](#).
2. Select **Global SMS > Template Management** on the left sidebar and click **Create Body Template**.
3. Set the following parameters as needed and according to the [body template review standards]:
 - Template Name: name of the template for easy identification.
 - SMS Type: the type of SMS that will be sent with this body template. Enterprise users can choose **Regular SMS** or **Marketing SMS**, while individual users can only choose **Regular SMS**.
 - SMS Content: body content of the SMS with less than 500 characters. Custom content can be configured, but it cannot contain only variables. Variables are in the format of {number} , and the numbers must be consecutive. Marketing SMS must contain an option for unsubscribing, such as Reply with T to unsubscribe .
 - Remarks: you can enter the sending scenario and recipient here, which is optional.
4. Click **OK**.

Waiting for body template review. The body template will be available only after its status changes to **approved**.

Modifying Body Template

Modifications can be made only if the body template status is **pending review** or **rejected**. **Approved** body templates cannot be modified.

1. On the [Template Management](#) page, you can view the body template information.
 - ID: body template ID automatically generated by the system. The ID of an approved body template can be specified as the value of the `tpl_id` parameter when sending SMS via APIs or SDKs.
 - Content: actual content of the SMS body.
 - Status/Reason: status of the body template, including **pending review**, **rejected**, and **approved**. If the body template status is **rejected**, you can click **View Details** to view the detailed reason or suggestion.
 - Time Applied: the time when the body template was created.
2. Click **Edit** on the line of a **pending review** or **rejected** body template, modify its information, and click **Confirm** to submit it for review again.

Deleting Body Template

When you no longer need a body template, you can delete it. **Once deleted, the body template cannot be restored directly; instead, you will have to submit a new application for review; therefore, please do so with caution.**

1. On the [Template Management](#) page, click **Delete** on the line of the target body template.
2. In the dialog box that pops up, click **Delete**.

Related Information

- Review process
- Body template review standards
- Sample body template
- [FAQs about body template](#)

Send international / Hong Kong, Macao and Taiwan text messages

Last updated : 2020-04-17 19:04:41

Prerequisites

- The SMS body template has been approved.
- If you want to include a signature in the message, you need to have an approved SMS signature.

Directions

1. Log in to the [SMS Console](#).
2. Select **Global SMS > Bulk SMS** on the left sidebar and click **Create Bulk SMS Task**.
3. Configure the following parameters as needed:
 - Template Name: select an approved body template to be used (different templates are distinguished by template name).
 - Signature Name: select an approved SMS signature to be used (different signatures are distinguished by signature name), which is optional.
 - Delivery Time: select **Send Now** or **Send by Schedule**.
 - Recipient: click **Template Download**, enter recipient's mobile number and custom SMS content in the form, and click **Select File** to upload it. The maximum form size supported is 30 MB.

Up to 1,000 Global SMS messages can be sent per day under one Tencent Cloud account.

Recipient's Mobile Number	SMS Content Variable 1	SMS Content Variable 2	SMS Content Variable N
Example: 139xxxxxxxx Instructions: please enter the mobile numbers of recipients. All the mobile numbers in one	Example: test company A Instructions: please enter the first custom variable content according to the body template,	Example: server B Instructions: please enter the second custom variable content according to the body template,	Example: 100 USD Instructions: please enter the Nth custom variable content according to the body template,

single SMS sending must be registered outside Mainland China. The cells need to be in a regular format, i.e., without any specific number formats.	i.e., replacing {1} in the template.	i.e., replacing {2} in the template.	i.e., replacing {N} in the template.
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- Application: select the application that needs to send the SMS.
4. Click **OK**.
 5. Check the number of recipients, indicate your consent to the prompt about fees, and click **Send**. You can view the status of the task in the Delivery Records list. When the status is **sent**, the task has been completed.

Subsequent Operations

You can view the SMS delivery result in the following ways:

- On the **Global SMS > Bulk SMS** page, click **Details & Report Analysis** on the line of the target task to view its detailed record and report analysis.
- Select **Statistics > Global SMS** and you can filter and view the statistics and relevant analysis of Global SMS by application, signature, body template, and time.

Related Documentation

You can also send SMS via APIs or SDKs. For detailed directions, please see [API documentation] or [SDK documentation](#).

Marketing Management

Customer Management

Last updated : 2020-10-29 16:09:02

Log in to the [SMS Console](#) and select **Marketing Management > Customer Management** on the left sidebar. Then, you can import a number package online for storage and group the numbers so as to better manage customers.

Customer Pool

You can **import** or **enter** numbers on this page for management.

Importing

1. Log in to the [SMS Console](#).
2. Select **Marketing Management > Customer Management** on the left sidebar and click **Import**.
3. Configure the following parameters as needed:
 - **SMS Type**: select the type of the SMS messages to be sent to the recipients in the number package.
 - **File**: click **Download Templates**, enter the customer mobile numbers in the downloaded form, and click **Click here** or drag and drop the form file to upload it. The maximum form size supported is 30 MB.
 - **Number Group**: select **Create a group** or **Select an existing group**. If you select **Create a group**, please enter the group name.
4. Click **OK**.

Entering

1. Log in to the [SMS Console](#).
2. Select **Marketing Management > Customer Management** on the left sidebar and click **Enter**.
3. Configure the following parameters as needed:
 - **SMS Type**: select the type of the SMS messages to be sent to the recipients in the number package.
 - **Mobile**: up to 100 mobile numbers can be entered, and each line is considered as a number.
 - For Mainland China mobile numbers, please enter the mobile numbers directly, e.g., 1371481xxxx.

- For mobile numbers outside Mainland China, please enter the country/region code + mobile number. For example, when the country/region code is 852 and the mobile number is 6666XXXX, enter 8526666XXXX.
 - **Number Group**: select **Create a group** or **Select an existing group**. If you select **Create a group**, please enter the group name.
4. Click **OK**.

Customer Group

You can create different customer groups on this page to manage customers by group and send targeted SMS messages to specified customer groups.

Creating group

1. Log in to the [SMS Console](#).
2. Select **Marketing Management** > **Customer Management** > **Customer Group** on the left sidebar and click **Create**.
3. Configure the following parameters as needed:
 - **SMS Type**: select the type of the SMS messages to be sent to the recipients in the group.
 - **Group Name**: enter a group name.
4. Click **OK**. In the group, you can click **More** > **Import File** or **Enter** to import numbers.

Sending SMS message by group

1. Log in to the [SMS Console](#).
2. Select **Marketing Management** > **Customer Management** > **Customer Group** on the left sidebar, and you can click **Send SMS** in the "Operation" column of the target group to send bulk messages to recipients in this group.

Short URL Management

Last updated : 2020-10-29 16:09:03

[Verified organizational users](#) can convert a long URL to a short URL with the statistics collection feature so as to shorten the SMS message and monitor the click effects in real time.

Creating Short URL

1. Log in to the [SMS Console](#), select **Marketing Management** > **Short URL Management** on the left sidebar, and click **Generate Short URL**.
2. In the **Generate Short URL** dialog box, enter **Short URL Name** and ***Original URL**.
3. Click **OK** to return to the **Short URL Management** page, and you can view the new short URL, which is valid for 90 days.

Viewing Click Data

After successfully [creating a signature and a template](#) and sending a Mainland China SMS message, you can view the click data for a single short URL such as number of SMS recipients, number of short URL clickers, and short URL CTR on the **Click Statistics** page.

1. Select **Business Statistics** > **Mainland China SMS** on the left sidebar and click **Click Statistics**.
2. Select a time period, enter the short URL name/short URL, and click **Query**.

Note :

If this short URL is bound to a global SMS template, you can select **Business Statistics** > **Global SMS** on the left sidebar and view the click data.

Statistics Description

- SMS Recipients: total number of recipients of the Mainland China/Global SMS messages sent with the current template ID.
- Short URL Clickers: total number of IPs that have visited this short URL.
- Short URL CTR: short URL clickers/SMS recipients.

Business Statistics

Domestic SMS statistics

Last updated : 2020-05-07 11:18:09

Log in to the [SMS Console](#) and select **Service Statistics** > **Mainland China SMS** on the left sidebar. Then, you can view the details of Mainland China SMS delivery, delivery records, and failure analysis within a specified time period. Click **Export Data** on each page to download the corresponding data table.

Data Overview

On the **Data Overview** page, you can specify an application or template to precisely filter and view the SMS delivery details for today, yesterday, the last 7 days, the last 30 days, or a specified time period. Both the trend chart and data table support displaying statistical data in multiple dimensions such as requests, successes, billable messages, and success rate.

Message Records

On the **Message Records** page, you can specify a mobile number, application, or template to precisely filter and view the message delivery records and reply records of a single mobile number within a specified time period.

- The data table of delivery records supports displaying statistical data in multiple dimensions such as mobile number, message content, characters/fragment messages, SMS type, and delivery status. For successfully sent Mainland China SMS messages, user's answering status will be recorded in the **Remarks** column. For failed Mainland China SMS messages, there are no initiation time, answering time, and end time information, and the cause of failure will be recorded in the **Remarks** column.
- The data table of reply records supports displaying statistical data in multiple dimensions such as mobile number, reply content, time replied, and status.

Failure Analysis

On the **Failure Analysis** page, you can specify an application to filter and view the details and proportions of SMS delivery failures for today, yesterday, the last 7 days, the last 30 days, or a specified time period.

The data table supports displaying statistical data in multiple dimensions such as error code, failure reason, failures, and proportion.

Receipt Analysis

On the **Receipt Analysis** page, you can specify an application to filter and view the SMS receipt details and receipt failure analysis for today, yesterday, the last 7 days, the last 30 days, or a specified time period.

- The data table of SMS receipt details supports displaying statistical data in multiple dimensions such as messages with receipt, messages without receipt, successful receipts, failed receipts, receipt rate, and receipt success rate.
- The data table of receipt failure analysis supports displaying statistical data in multiple dimensions such as failure reason, failures, and proportion.

Statistics of short message Service in International / Hong Kong, Macao and Taiwan

Last updated : 2020-04-26 11:58:14

Log in to the [SMS Console](#) and select **Service Statistics** > **Global SMS** on the left sidebar. Then, you can view the details of Mainland China SMS delivery, delivery records, and failure analysis within a specified time period. Click **Export Data** on each page to download the corresponding data table.

Data Overview

On the **Data Overview** page, you can specify an application or template to precisely filter and view the SMS delivery details for today, yesterday, the last 7 days, the last 30 days, or a specified time period. Both the trend chart and data table support displaying statistical data in multiple dimensions such as requests, successes, billable messages, and success rate.

Message Records

On the **Message Records** page, you can specify a mobile number, application, or template to precisely filter and view the message delivery records and reply records of a single mobile number within a specified time period.

- The data table of delivery records supports displaying statistical data in multiple dimensions such as mobile number, message content, characters/fragment messages, SMS type, and delivery status. For successfully sent Global SMS messages, user's answering status will be recorded in the **Remarks** column. For failed Global SMS messages, there are no initiation time, answering time, and end time information, and the cause of failure will be recorded in the **Remarks** column.
- The data table of reply records supports displaying statistical data in multiple dimensions such as mobile number, reply content, time replied, and status.

Failure Analysis

On the **Failure Analysis** page, you can specify an application to filter and view the details and proportions of SMS delivery failures for today, yesterday, the last 7 days, the last 30 days, or a

specified time period.

The data table supports displaying statistical data in multiple dimensions such as error code, failure reason, failures, and proportion.

Receipt Analysis

On the **Receipt Analysis** page, you can specify an application to filter and view the SMS receipt details and receipt failure analysis for today, yesterday, the last 7 days, the last 30 days, or a specified time period.

- The data table of SMS receipt details supports displaying statistical data in multiple dimensions such as messages with receipt, messages without receipt, successful receipts, failed receipts, receipt rate, and receipt success rate.
- The data table of receipt failure analysis supports displaying statistical data in multiple dimensions such as failure reason, failures, and proportion.

Application Management

Create Application

Last updated : 2020-11-27 10:51:30

Operation Scenarios

Up to 500 applications can be created under one Tencent Cloud account. After the application is created, you can get the SDK `AppID` and `AppKey`. The former is the unique identifier of the application, while the latter is a password for verifying the validity of an SMS sending request.

Note :

The `AppKey` for the SDK `AppID` should be kept confidential.

Prerequisites

You have [signed up for a Tencent Cloud account](#) and completed [identity verification](#).

Directions

1. Log in to the [SMS Console](#).
2. Select **Application Management** > **Application List** on the left sidebar and click **Create Application**.
3. In the **Create Application** dialog box, enter the **Application Name** and **Application Overview**.
4. Click **Create**.

Return to the **Application List** page and you can view the card of the newly created application.

Basic configuration information

Last updated : 2020-08-03 10:52:55

On an application's details page, you can view and modify application information. On its **Basic Configuration** page, you can set excessive messaging reminder, configure event callback, and manage alarm contacts.

Modifying Application Information

1. Log in to the [SMS Console](#).
2. Select **Application Management** > **Application List** on the left sidebar and click the card of the target application to enter its details page.
3. Click **Modify Application** or click **Set** in **Application Information** to modify the **Application Name** and **Application Overview**.
4. Click **Modify** to save the changes.

Setting Excessive Messaging Reminder

1. Log in to the [SMS Console](#).
2. You can enter the **Basic Configuration** tab in the following ways:
 - Select **Application Management** > **Application List** on the left sidebar and click the card of the target application to enter its details page. Then, click **Basic Configuration**.
 - Select **Application Management** > **Basic Configuration** on the left sidebar.
3. Select the **current application** as the target application to be manipulated.
4. Click **Set** in **Excessive Messaging Reminder**, select the reminder conditions for Mainland China or Global SMS as needed, and enter the corresponding reminder threshold.
5. Click **Set** to save.

After successful configuration, when the number of messages sent by the current application on a calendar day reaches the threshold, the system will send a notification to the specified [alarm contact](#).

Configuring Event Callback

1. Log in to the [SMS Console](#).

2. You can enter the **Basic Configuration** tab in the following ways:
 - Select **Application Management** > **Application List** on the left sidebar and click the card of the target application to enter its details page. Then, click **Basic Configuration**.
 - Select **Application Management** > **Basic Configuration** on the left sidebar.
3. Select the **current application** as the target application to be manipulated.
4. Click **Set** in **Event Callback Configuration**, select message status callback as needed, and enter the corresponding callback URL.
5. Click **Set** to save.

After successful configuration, you will get a better grasp on the information related to SMS sending status. For example, after you configure the message receiving status callback address, Tencent Cloud will push the callback information received from the ISP to your specified callback address in a timely manner. Then, you can write appropriate code to receive, parse, and further use the callback information pushed by Tencent Cloud SMS.

Setting Sending Frequency Limit

To ensure business and channel security and minimize potential financial losses caused by malicious calls of SMS APIs, the default frequency limit for sending SMS messages is as detailed below:

- For SMS messages with the same content, a maximum of one such message can be sent to the same mobile number within 30 seconds.
- A maximum of 10 messages can be sent to the same mobile number on a calendar day.

Note: individual users have no permission to modify the frequency limit. To use this feature, change "Individual Identity" to "Organizational Identity".

1. Log in to the [SMS Console](#).
2. You can enter the **Basic Configuration** tab in the following ways:
 - Select **Application Management** > **Application List** on the left sidebar and click the card of the target application to enter its details page. Then, click **Basic Configuration**.
 - Select **Application Management** > **Basic Configuration** on the left sidebar.
3. Select the **current application** as the target application to be manipulated.
4. Click **Set** in **Sending Frequency Limit**, select the conditions as needed, and set the corresponding limit.
5. Click **Set** to save.

Setting Frequency Limit Allowlist

Mobile numbers in the allowlist are not subject to the frequency limit policy. An allowlist can contain up to 300 mobile numbers.

Adding a mobile number to the allowlist

1. Log in to the [SMS Console](#).
2. You can enter the **Basic Configuration** tab in the following ways:
 - Select **Application Management** > **Application List** on the left sidebar and click the card of the target application to enter its details page. Then, click **Basic Configuration**.
 - Select **Application Management** > **Basic Configuration** on the left sidebar.
3. Select the **current application** as the target application to be manipulated.
4. Click **Set** in **Frequency Limit Allowlist** and enter a number per row. A maximum of 300 numbers can be added to the allowlist.
5. Click **Set** to save the settings.

Removing a mobile number from the allowlist

1. Log in to the [SMS Console](#).
2. You can enter the **Basic Configuration** tab in the following ways:
 - Select **Application Management** > **Application List** on the left sidebar and click the card of the target application to enter its details page. Then, click **Basic Configuration**.
 - Select **Application Management** > **Basic Configuration** on the left sidebar.
3. Select the **current application** as the target application to be manipulated.
4. Click **Delete** in the row of the target mobile number in **Frequency Limit Allowlist**.
5. Click **Delete**.

Configure alarm contact

Last updated : 2020-04-17 19:49:59

You can add an alarm contact and configure specific reminder events. When an event is triggered, the specified contact will receive relevant SMS messages and emails. Events include frequency limit reminder, excessive messaging reminder, template and signature review notification, and package alarm notification.

Up to 5 alarm contacts can be added under each application.

Adding Alarm Contact

1. Log in to the [SMS Console](#).
2. Select **Application Management** > **Notification and Alarm** on the left sidebar.
3. Select the **current application** as the target application to be manipulated.
4. Click **Add Alarm Contact**.
5. Enter the name, mobile number, and email address of the contact and select the target events.
6. Click **Add**.

Editing Alarm Contact

1. Log in to the [SMS Console](#).
2. Select **Application Management** > **Notification and Alarm** on the left sidebar.
3. Select the **current application** as the target application to be manipulated.
4. Click **Edit** in the row of the contact.
5. Click **Modify** to modify the name, mobile number, and email address of the contact and the events.

Deleting Alarm Contact

Once deleted, an alarm contact **cannot be recovered**; therefore, please do so with caution.

1. Log in to the [SMS Console](#).
2. Select **Application Management** > **Notification and Alarm** on the left sidebar.
3. Select the **current application** as the target application to be manipulated.
4. Click **Delete** in the row of the contact.
5. In the pop-up window, click **OK**.

Deactivate or delete an application

Last updated : 2020-11-27 10:52:01

- If you don't need an application temporarily, you can disable it and then enable it when needed.
- If you are sure that you will no longer need an application, you can disable it and then delete it.
Once deleted, the application cannot be restored directly; instead, you will have to submit an application for review; therefore, please do so with caution.

Disabling Application

1. Log in to the [SMS Console](#).
2. Select **Application Management** > **Application List** on the left sidebar.
3. Click **Disable** in the card of the target application.

Note :

After the application is disabled, Tencent Cloud will suspend the SMS service for it.

4. In the pop-up window, click **OK**.
The operation will take about 5 minutes to take effect. After the application is disabled, **Enable** and **Delete** will appear in its card. You can perform the relevant operation as needed.

Enabling Application

If you need to use a disabled application, you can enable it.

1. Log in to the [SMS Console](#).
2. Select **Application Management** > **Application List** on the left sidebar.
3. Click **Enable** in the card of the disabled application.
4. In the pop-up window, click **OK**.

The operation will take about 5 minutes to take effect.

Deleting Application

If you no longer need a disabled application, you can delete it. **Once deleted, the application cannot be restored directly; instead, you will have to submit an application for review;**

therefore, please do so with caution.

1. Log in to the [SMS Console](#).
2. Select **Application Management > Application List** on the left sidebar.
3. Click **Delete** in the card of the disabled application.
4. In the pop-up window, click **OK**.

General Management

Manage blacklist

Last updated : 2020-11-27 10:50:48

The blacklist feature offers a proactive way to block spam SMS messages. You can add mobile numbers to the blacklist, and the blacklisted numbers cannot receive messages sent with the corresponding signature. Up to 1,000 numbers can be blacklisted for all signatures.

Prerequisites

Before using the blacklist feature, you need to apply for an SMS signature and get it approved.

Blacklisting Mobile Number

1. Log in to the [SMS Console](#).
2. Select **General Management** > **Blacklist Management** on the left sidebar.
3. Click **Add Number**.
4. Select a signature and SMS message type and enter a mobile number.

Note :

If you need to add multiple numbers, separate them by pressing Enter (one number per row). Up to 1,000 numbers can be blacklisted for all signatures.

Add to Blacklist ✕

Signature

Note: The blacklist management feature does not support binding of Global SMS signatures.

Type

Mobile

Up to 1,000 mobile numbers (one per line) can be added. **0** have been added.

5. Click **OK**.

After successful addition, the configuration will take about 5 minutes to take effect. When the status of the number becomes **effective**, it will be unable to receive SMS messages sent with the corresponding signature.

Querying Blacklisted Mobile Number

1. Log in to the [SMS Console](#).
2. Select **General Management** > **Blacklist Management** on the left sidebar.
3. Enter a mobile number and select the target signature at the top of the blacklist and click **Query** to check whether the number is in the current blacklist.

Set Mobile Blacklist

The mobile numbers on the blacklist will not receive the messages sent from the corresponding signature. Up to 1,000 numbers can be set.

[Add Mobile](#) [Batch Delete](#) Mobile: Signature: [Query](#) [Clean Up Query Results](#)

<input type="checkbox"/>	Mobile	Signature	Type	Status	Operation
No data yet					

Total items: 0 Records per page: 10 / 1 page

Unblacklisting Mobile Number

Note :

Removing a mobile number from the blacklist is **irreversible**, and the number can receive SMS messages sent with the corresponding signature normally.

1. Log in to the [SMS Console](#).
2. Select **General Management > Blacklist Management** on the left sidebar.
3. You can choose the removal operation as needed:
 - Single removal: click **Remove** in the row of the target mobile number.
 - Batch removal: select the numbers to be removed and click **Batch Remove** at the top of the blacklist.
4. In the pop-up window, click **OK**.

Manage unsubscribed users

Last updated : 2020-04-17 19:54:52

Operation Scenarios

A user can reply with the specified content such as "TD", "T", or "N" to the SMS message received to unsubscribe from SMS notifications. After unsubscription, the system will keep a record of their mobile number, the signature used to send the unsubscribed message, and the message type, so that future messages of the same type will no longer be sent to their mobile phone. You can check whether the user's number is in the unsubscribed user list by searching with the number and signature and then apply for removing the unsubscribed status based on the query result.

Directions

1. Log in to the [SMS Console](#).
2. Select **General Management > Unsubscribed User Management** on the left sidebar.
3. Enter a mobile number, select a signature, and click **Query** to view the unsubscription status of different types of messages under the signature.
4. Based on the query result, you can click **Apply for Removal** in the row of the corresponding message type.
5. Enter the reason for application in the pop-up window and click **OK** to submit.
You can view the relevant record and review status in the **Application and Review Record** list.

Configure reply callback

Last updated : 2020-05-07 11:22:04

Operation Scenarios

You can configure the SMS reply callback and set the corresponding callback address based on your business needs. Then, Tencent Cloud will push the callback information received from the ISP to your specified callback address in a timely manner. Then, you can write appropriate code to receive, parse, and further use the callback information pushed by Tencent Cloud SMS.

- Up to 1 reply callback URL can be added under one Tencent Cloud account.

Directions

1. Log in to the [SMS Console](#).
2. Select **General Management > Reply Callback Configuration** on the left sidebar.
3. Click **Add Reply Callback URL**.
4. You can enable the message reply callback URL as needed and enter the corresponding callback URL.
5. Click **OK** to save.

Access Management

Overview

Last updated : 2020-10-29 14:56:21

Note :

This document describes the access management feature of **SMS**. For more information on access management for other Tencent Cloud services, please see [CAM-Enabled Products](#).

[Cloud Access Management \(CAM\)](#) is a web-based Tencent Cloud service that helps you securely manage and control access permissions to your Tencent Cloud resources. Using CAM, you can create, manage, and terminate users (groups), and control the Tencent Cloud resources that can be used by the specified user through identity and policy management.

SMS has been connected to **CAM**. You can grant appropriate SMS access permissions to sub-accounts as needed.

Getting Started

Before using CAM for SMS, you need to have some knowledge of the basic concepts in CAM and SMS, including:

- CAM: [user](#) and [policy](#)
- SMS: [application](#)

Use Cases

Permission isolation at the Tencent Cloud service level

Among the various departments using Tencent Cloud in an organization, department A is in charge of the SMS service. Personnel of department A need permission to access SMS, but not to access other Tencent Cloud services. To this end, the organization can create a sub-account for department A through the root account, grant it only SMS-related permissions, and then provide it to department A.

Permission isolation at the SMS application level

When multiple businesses in an organization are using SMS, isolation is needed. Isolation involves resource isolation and permission isolation, of which the former is enabled by the [SMS application](#) system and the latter is implemented by SMS access management. In this case, sub-accounts can be created for each business and granted permission to the relevant SMS applications so that each business can only access the specified applications.

Permission isolation at the SMS action level

Product operations personnel of a business using SMS in an organization need to access the SMS console to get delivery statistics, but they should be forbidden to perform sensitive operations (such as modifying an over-limit delivery notification or a delivery rate limit) so as to protect the business against any faulty operations. To do this, you can create a custom policy that has permissions to log in to the SMS console but no permissions to call the APIs for over-limit delivery notification and delivery rate limit, create a sub-account and bind it to that policy, and then provide the sub-account information to the product operations personnel.

Authorization Granularity

The core feature of CAM is to **allow or forbid an account to perform some operations or manipulate some resources**. SMS access management supports [resource-level authorization](#). The resource granularity is the SMS application, and the operation granularity is the [TencentCloud API](#), including server APIs and APIs that may be used when the SMS console is accessed. For more information, please see [Authorizable Resources and Actions](#).

Limits

- SMS access management supports authorization at the application level but not at the finer-grained resource level (such as the application information and the configuration information).
- SMS access management does not support projects and tags.

Authorizable Resources and Actions

Last updated : 2020-10-29 14:56:21

Note :

This document describes the access management feature of **SMS**. For more information on access management for other Tencent Cloud services, please see [CAM-Enabled Products](#).

The core feature of CAM is to **allow or forbid an account to perform certain operations or manipulate certain resources**. SMS access management supports [resource-level authorization](#). The resource granularity is the SMS application, and the operation granularity is the [TencentCloud API](#), including [API 3.0](#) and APIs that may be used when the SMS console is accessed.

If you need to manage access to SMS, please log in to the Tencent Cloud [root account](#) and use a [preset policy](#) or a [custom policy](#) to complete the specific authorization operations.

Authorizable Resource Types

The authorizable resource type in SMS access management is the application.

APIs Supporting Resource-Level Authorization

SMS supports resource-level authorization for all console APIs listed in this section, but not for server APIs. The syntax descriptions of the resources manipulated by such APIs in the [authorization policy syntax](#) are identical, as detailed below:

- Grant the permission to access all applications: `qcs::sms::uin/$ownerUin:app/*` .
- Grant the permission to access a single application: `qcs::sms::uin/$ownerUin:app/$BizId` .

Console API Actions

API Name	Used Module	Feature Description
DescribeAppList	SMS console > Applications > Application List	Gets the application list
DescribeAppInfo	SMS console > Applications >	Gets the application

	Application List > Application Info	information
ModifyAppInfo	SMS console > Applications > Application List > Application Info	Edits the application information
ModifyAppStatus	SMS console > Applications > Application List	Enables/Disables the application
DeleteAppInfo	SMS console > Applications > Application List	Deletes the application
DescribeWarningThreshold	SMS console > Applications > Basic Configuration > Over-limit Delivery Notification	Gets the over-limit delivery notification
ModifyWarningThreshold	SMS console > Applications > Basic Configuration > Over-limit Delivery Notification	Edits the over-limit delivery notification
DescribeFreqRule	SMS console > Applications > Basic Configuration > Delivery Rate Limit	Gets the delivery rate limit
ModifyFreqRule	SMS console > Applications > Basic Configuration > Delivery Rate Limit	Edits the delivery rate limit
DescribeCallbackInfo	SMS console > Applications > Basic Configuration > Event Callback Configuration	Gets the callback configuration
ModifyCallbackInfo	SMS console > Applications > Basic Configuration > Event Callback Configuration	Edits the callback configuration
DescribeFrequencyWhiteList	SMS console > Applications > Basic Configuration > Rate Limit Allowlist	Gets the rate limit allowlist
AddFrequencyWhiteList	SMS console > Applications > Basic Configuration > Rate Limit Allowlist	Adds the rate limit allowlist
DeleteFrequencyWhiteList	SMS console > Applications > Basic Configuration > Rate Limit Allowlist	Deletes the rate limit allowlist
DescribeNewsReceiver	SMS console > Applications > Notifications & Alarms	Gets the alarm contact information
AddNewsReceiver	SMS console > Applications > Notifications & Alarms	Adds the alarm contact information

ModifyNewsReceiver	SMS console > Applications > Notifications & Alarms	Edits the alarm contact information
DeleteNewsReceiver	SMS console > Applications > Notifications & Alarms	Deletes the alarm contact information
ModifyTaskStatusStart	SMS console > Mainland China SMS/Global SMS > Bulk SMS	Starts the instant or scheduled delivery task
ModifyTaskStatusStop	SMS console > Mainland China SMS/Global SMS > Bulk SMS	Stops the instant delivery task
CancelSendSMSTask	SMS console > Mainland China SMS/Global SMS > Bulk SMS	Cancels the scheduled delivery task

Note :

For an API that does not support resource-level permission control, you can still grant a user the permission to use it through a [custom policy](#), but you must specify `*` as the resource element in the policy statement.

CAM Module Update

The CAM module of SMS has been updated from "consolesms" to "sms". If your Tencent Cloud account has granted a sub-account API permissions of the "consolesms" module in a preset policy, the sub-account will be automatically bound to the corresponding API permissions of the "sms" module. If a custom policy associated with a sub-account contains an API of the "consolesms" module, you need to replace the "consolesms" API with the corresponding "sms" API when updating the policy syntax subsequently. The following are the API mapping relationships:

Legacy consolesms API	Mapped new sms API
SMS_GetAPPList	DescribeAppList
SMS_GetAPPInfo	DescribeAppInfo
SMS_GetWarningThreshold	DescribeWarningThreshold
SMS_GetFreqRule	DescribeFreqRule
SMS_GetCallbackList	DescribeCallbackInfo

SMS_GetFrqWhiteList	DescribeFrequencyWhiteList
SMS_GetNewsReceiver	DescribeNewsReceiver
SMS_GetBlackListByQappid	DescribeBlackList
SMS_SendSMSResultStatisticQuery_export	DescribeSmsResultFile
SMS_Statistic_QuerySMS_ByAppid_export	DescribeSmsRecordFile
SMS_StatisticQueryByQappid	DescribeStatisticQuery
SMS_QuerySendSMSByQappid	DescribeSendSmsRecord
SMS_GetPkgAutoRenew	DescribePkgAutoRenew
SMS_QueryDumpLogTask	DescribeQueryDumpLogTask
SMS_QuerySendSMSDumpLogTask	DescribeSendSmsDumpLogTask
SMS_CancelDumpLogTask	CancelDumpLogTask
SMS_AddDumpLogTask	AddDumpLogTask
SMS_GetWarningThreshold	DescribeWarningThreshold
SMS_StatisticNationCode	DescribeNationCodeStatistic
SMS_SendSMSResultStatisticQuery	DescribeSendSMSResult
SMS_Stat_InnerQuery_Reply	DescribeInnerSMSReply
SMS_QuerySendSMSTaskSummary	DescribeSendSMSTaskSummary
SMS_StatisticMonth	DescribeMonthStatistic
SMS_QuerySendSMSStatistic	DescribeSendSMSStatistic
SMS_QuerySendSMSDetail	DescribeSendSMSDetail
SMS_QuerySmsPkgRemain	DescribeSmsPkgRemain
SMS_GetPackageList	DescribePackageList
SMS_UnsubscribeQuery	DescribeUnsubscribe
SMS_ReceiptAnalysis	DescribeReceiptResult
SMS_GetTPLSignInfo	DescribeTPLSignInfo

SMS_GetTPLSignList

DescribeTPLSignList

Because of the console version upgrade, some APIs in the CAM module "consolesms" have been disused. If the following APIs are contained in the custom policies associated with your sub-accounts, please delete the relevant content in the policy syntax:

API	Status
SMS_Stat_InnerQuery_export	Disused
SMS_GetConsoleFlag	Disused
SMS_IsWhiteDumpAppid	Disused
SMS_IsWhiteAppId	Disused
SMS_QueryBill_export	Disused
SMS_CheckAppidBizid	Disused
SMS_GetAllBizList	Disused
SMS_GetSMSNotice	Disused
Voice_GetSelfAccountTypes	Disused
Voice_GetAccountTypeInfo	Disused
Voice_GetBizTypes	Disused
Voice_GetBizAndAccountTypeInfo	Disused
SMS_GetServiceState	Disused
SMS_StatisticQueryIOTAnalysis	Disused
SMS_StatisticQueryIOTByOper	Disused
SMS_StatisticQueryIOT	Disused
SMS_Stat_InnerQueryVoice	Disused
SMS_StatisticQueryEx	Disused
SMS_StatisticQueryNew	Disused
SMS_GetNewsReceiverFlag	Disused

SMS_QueryTemplateStatisticEx	Disused
SMS_QueryTemplateStatistic	Disused
SMS_QueryBill	Disused
SMS_QuerySendSMSRemain	Disused
SMS_QuerySendSMS	Disused
SMS_IsWhiteUin	Disused
SMS_GetBlackList	Disused
SMS_Statistic_QuerySMS_export	Disused
SMS_GetSendList	Disused
SMS_GetReceiver	Disused
SMS_Query_Black	Disused

Preset Policies

Last updated : 2020-10-29 14:56:21

Note :

This document describes the access management feature of **SMS**. For more information on access management for other Tencent Cloud services, please see [CAM-Enabled Products](#).

SMS access management essentially binds sub-accounts to policies or grants policies to sub-accounts. You can use preset policies directly in the console to implement some simple authorization operations. For more complicated authorization operations, please see [Custom Policies](#).

Currently, SMS provides the following preset policies:

Policy Name	Description
QcloudSMSFullAccess	Full access to SMS
QcloudSMSReadOnlyAccess	Read-only access to SMS

Preset Policy Use Cases

Creating sub-accounts with full access to SMS

1. Access the [User List](#) page in the CAM Console using the Tencent Cloud [root account](#) and click **Create User**.
2. On the "Create User" page, select **Custom Create** to enter the "Create Sub-user" page.

Note :

Please perform the steps before "User Permissions" as instructed in [Creating a Custom Sub-user](#).

3. On the "User Permissions" page:
 - i. Search for and select the preset policy `QcloudSMSFullAccess`.
 - ii. Click **Next**.
4. Click **Complete** in the "Review" column. After the sub-user is created successfully, download the login link and security credentials as shown below and keep them private.

Information	Source	Description	Storage Required
Login link	Copy it on the page	Makes it easier to log in to the console without having to enter the root account	No
Username	Security credential file in CSV format	Needed for console login	Yes
Password	Security credential file in CSV format	Needed for console login	Yes
SecretId	Security credential file in CSV format	Needed for calling server APIs. For more information, please see "Access Key"	Yes
SecretKey	Security credential file in CSV format	Needed for calling server APIs. For more information, please see "Access Key"	Yes

5. With the above login link and security credentials, you can use this sub-user to perform all operations in SMS (such as accessing the SMS console and calling SMS server APIs).

Granting Existing Sub-account Full Access to SMS

1. Access the **User List** in the CAM console using a Tencent Cloud **root account** and click the target sub-account.
2. Click **Add Policy** under the "Permissions" tab on the "User Details" page. If the permission of a sub-account is not empty, click **Associate Policy**.
3. Click **Select policies from the policy list**, search for and check the preset policy `QcloudSMSFullAccess`, and complete the authorization as prompted.

Removing a Sub-account's Full Access to SMS

1. Access the **User List** in the CAM console using a Tencent Cloud **root account** and click the target sub-account.
2. Find the preset policy `QcloudSMSFullAccess` under the "Permissions" tab on the "User Details" page, click **Unassociate** on the right, and complete deauthorization as prompted.

Custom Policies

Last updated : 2020-10-29 14:56:21

Note :

This document describes the access management feature of **SMS**. For more information on access management for other Tencent Cloud services, please see [CAM-Enabled Products](#).

It is convenient to use a [preset policy](#) in SMS access control to implement authorization, but its granularity of permission control is coarse and cannot be refined to the SMS application and the [TencentCloud API](#) levels. If you need fine-grained permissions control, you need to create custom policies.

Custom Policy Creation Methods

There are multiple ways to create a custom policy. The table below shows a comparison of various methods. For detailed directions, please see further below.

Creation Entry	Creation Method	Effect	Resource	Action	Flexibility
CAM console	Policy generator	Manual selection	Syntax description	Manual selection	Medium
CAM console	Policy syntax	Syntax description	Syntax description	Syntax description	High
CAM server API	CreatePolicy	Syntax description	Syntax description	Syntax description	High

Note :

- SMS does not support creating custom policies by product feature or project.
- Manual selection means that you can select an object from the candidate list displayed in the console.
- Syntax description means that you can describe objects through the [authorization policy syntax](#).

Authorization Policy Syntax

Resource syntax description

As mentioned above, the resource granularity of permission management in SMS is the application. The application description in the policy syntax follows the [CAM resource description method](#). In the example below, the developer's root account ID is 12345678, and the developer has created three applications with an `App` of 1400000000, 1400000001, and 1400000002, respectively.

- **Policy syntax description for all SMS applications**

```
"resource": ["qcs::sms::uin/12345678:app/*"]
```

- **Policy syntax description for a single SMS application**

```
"resource": [ "qcs::sms::uin/12345678:app/1400000001"]
```

- **Policy syntax description for multiple SMS applications**

```
"resource": [ "qcs::sms::uin/12345678:app/1400000000", "qcs::sms::uin/12345678:app/1400000001"]
```

Action syntax description

As mentioned above, the action granularity of permission management in SMS is the TencentCloud API. For more information, please see [Authorizable Resources and Actions](#). TencentCloud APIs such as `DescribeAppList` (getting application list) and `DescribeAppInfo` (getting application information) are used as examples below.

- **Policy syntax description for all SMS TencentCloud APIs**

```
"action": [  
  "name/sms:*"  
]
```

- **Policy syntax description for a single TencentCloud API**

```
"action": [  
  "name/sms:DescribeAppList"  
]
```

- **Policy syntax description for multiple TencentCloud APIs**

```
"action": [  
  "name/sms:DescribeAppList",  
  "name/sms:DescribeAppInfo"  
]
```

Custom Policy Use Cases

Using the policy generator

In the example below, we will create a custom policy, which allows all actions except the console API `DeleteAppInfo` to be performed on the SMS application 1400000001.

1. Access the **Policy** page in the CAM console using a Tencent Cloud **root account** and click **Create Custom Policy**.
2. Select **Create by Policy Generator** to access the policy creation page.
3. Select the service and action.
 - Select **Allow** for **Effect**.
 - Select **Short Message Service** for **Service**.
 - Check all items for **Action**.
 - Enter `qcs::sms::uin/12345678:app/1400000001` for **Resource** according to the [resource syntax description](#).
 - The **Condition** configuration item does not need to be configured.
 - Click **Add Statement** and a statement saying that "Any action is allowed on the SMS application 1400000001" will appear at the bottom of the page.
4. Continue adding another statement on the same page.
 - Select **Deny** for **Effect**.
 - Select **Short Message Service** for **Service**.
 - Check `DeleteAppInfo` (which can be quickly found using the search engine) for **Action**.
 - Enter `qcs::sms::uin/12345678:app/1400000001` for **Resource** according to the [resource syntax description](#).
 - The **Condition** configuration item does not need to be configured.
 - Click **Add Statement** and a statement saying that "The `DeleteAppInfo` action is denied on the SMS application 1400000001" will appear at the bottom of the page.
5. Click **Next** and rename the policy as needed (or leave it unchanged).
6. Click **Done** to create the custom policy.

Subsequently, this policy can be granted to other sub-accounts in the same way as [granting full access to SMS to an existing sub-account](#).

Using the policy syntax

In the example below, we will create a custom policy, which allows all actions to be performed on SMS applications 1400000001 and 1400000002 but denies `DeleteAppInfo` for application 1400000001.

1. Access the **Policy** page in the CAM console using a Tencent Cloud **root account** and click **Create Custom Policy**.
2. Select **Create by Policy Syntax** to access the policy creation page.
3. In the **Select a template type** box, select **Blank Template**.

Note :

A policy template is used to create a policy by copying an existing policy (preset or custom) and then making adjustments to the copy. During actual use, you can choose an appropriate policy template based on the actual conditions to reduce the difficulty and workload of writing the policy content.

4. Click **Next** and rename the policy as needed (or leave it unchanged).
5. Enter the following policy content in the **Policy Content** box:

```
{
  "version": "2.0",
  "statement": [
    {
      "effect": "allow",
      "action": [
        "name/SMS:*"
      ],
      "resource": [
        "qcs::sms::uin/12345678:app/1400000001",
        "qcs::sms::uin/12345678:app/1400000002"
      ]
    },
    {
      "effect": "deny",
      "action": [
        "name/SMS: DeleteAppInfo "
      ],
      "resource": [
        "qcs::SMS::uin/12345678:app/1400000001"
      ]
    }
  ]
}
```

Note :

The policy content should follow the [CAM policy syntax logic](#), where the syntax of "resource" and "action" is as shown above in the [Resource syntax description](#) and the [Action syntax](#)

[description](#).

6. Click **Create Policy** to create the custom policy.

Subsequently, this policy can be granted to other sub-accounts in the same way as [granting full access to SMS to existing sub-accounts](#).