

# **Tencent Push Notification Service**

## **Release Notes**

### **Product Documentation**



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# Contents

## Release Notes

Features

SDK for Android

SDK for iOS

SDK for macOS

# Release Notes

## Features

Last updated : 2022-10-25 15:59:04

### December 2020

Update	Description	Release Date	Document
The push troubleshooting feature is added	If a device fails to receive a push message, you can use the device token and the `PushID` of the push to identify the cause and quickly troubleshoot the problem	December 2, 2020	You can go to <b>Console</b> > <b>Toolbox</b> > <b>Troubleshooting Tools</b> > <b>Push Query</b> to try it out
The device number estimate feature is added	Before confirming a push, you can view the estimated number of devices for the selected push target and quickly estimate the current push coverage	December 2, 2020	-
Tag selection in the console is optimized	Tag selection in the console is redesigned to improve the selection experience	December 2, 2020	<a href="#">Tagging Feature</a>

### November 2020

Update	Description	Release Date	Document
Emojis can be quickly inserted into push message body	When you create a push in the console, you can quickly insert emojis in the message input box on the right, which effectively increases the click rate	November 20, 2020	-
IP allowlist is available	After you configure an IP allowlist in the console, you can control the permissions of RESTful API requests, so that only IPs in the allowlist can request RESTful APIs, which helps improve the push security	November 20, 2020	-

Update	Description	Release Date	Document
Test preview is available	You can save the tokens of commonly used test devices and directly select such devices to preview messages before officially pushing them, which enables you to quickly verify the push configuration	November 20, 2020	-
Account package filename can be viewed in account push details	The account package filename can be displayed in account push details when the push is performed, so you can locate push targets quickly	November 20, 2020	-
Huawei v2 protocol is upgraded	Huawei officially announced that <b>the v2 protocol will be disused starting September 30, 2021</b> . Tencent Push Notification Service has upgraded the Huawei push protocol to v5, which does not support carrying custom parameters through the <b>**extra parameter(s)</b> field. If you have integrated the Huawei vendor channel, we recommend you use <a href="#">Intent</a> to carry custom parameters; otherwise, custom parameters cannot be delivered through the Huawei channel	November 9, 2020	-
A new personalized push feature is added	After binding user attributes such as nickname with tokens, you can push personalized messages with user attributes to different users easily, which can increase the average click rate by 40%	November 9, 2020	<a href="#">Custom Notification</a>
Account package files in <code>.txt</code> or <code>.csv</code> format can be uploaded directly	If an account package file in <code>.txt</code> or <code>.csv</code> format is below 100 MB in size, it can be uploaded directly without being compressed	November 9, 2020	-
iOS push supports channel policy	One device can receive up to 3 silent messages per hour through the APNs Channel. Both notification bar messages and silent messages on iOS support complementary delivery through the Tencent Push Notification Service and APNs channels, and the delivery policy can be customized	November 2, 2020	<a href="#">Channel Policy</a>

## October 2020

Update	Description	Release Date	Document
Statistics in the console are optimized	Push statistics and device statistics are separated	October 22, 2020	<a href="#">Statistics</a> module in the console
Quick integration with iOS is upgraded	You can use the quick integration tool to integrate the SDK for iOS to get complete push capabilities in 3 minutes	October 22, 2020	<a href="#">Quick Integration with iOS</a>
Notifications will not be delivered to opt-out iOS devices	If notification bar is disabled on an iOS device, this device will not be included in the <b>Attempted</b> metric when a push message is delivered	October 22, 2020	-

## September 2020

Update	Description	Release Date	Document
Troubleshooting tools support querying tokens by account	You can search for device tokens by account to locate issues more quickly and conveniently	September 28, 2020	<a href="#">Troubleshooting Tools</a>
New, active, and inactive are added as user tags	New, active, and inactive are added as user tags, allowing you to reattract and reactivate inactive users in a more targeted manner and improve the user activity with ease	September 24, 2020	<a href="#">Tagging Feature</a>

## August 2020

Update	Description	Release Date	Document
The feature of <b>collapse by group</b> is added	The feature of <b>collapse by group</b> is added, which can determine whether to collapse a message in the notification center, and the collapse policy can be customized	August 11, 2020	<a href="#">Message Collapse</a>

Update	Description	Release Date	Document
The channel policy for Android is optimized	The custom channel policy for Android is optimized, so you can choose whether to deliver a push message preferably through the Tencent Push Notification Service channel when a device is online	August 11, 2020	-
New data metrics are added on the data overview page	Opt-in devices and uninstalled/unavailable devices can be viewed by day on the data overview page in the console	August 11, 2020	<a href="#">Data Overview</a>

## July 2020

Update	Description	Release Date	Document
The <b>device statistics</b> page is added	The <b>device statistics</b> page is added in the console to help you stay on top of the distribution of all registered devices of the application in all dimensions and make informed operational decisions.	July 30, 2020	-
Rich media notification is upgraded	The rich media notification feature is upgraded to support images in notifications for an improved click rate (for the Huawei and Mi channels).	July 30, 2020	<a href="#">Rich Media Notification</a>
The pay-as-you-go (postpaid) billing mode is added	The daily pay-as-you-go billing mode is added, which is suitable for applications whose number of daily active users (DAUs) fluctuates greatly.	July 1, 2020	<a href="#">Pay-as-You-Go</a>

## June 2020

Update	Description	Release Date	Document
Bulletin board is added	A bulletin board module is added on the <b>Product Management</b> page in the console to display notifications for release notes and services changes	June 10, 2020	-

Update	Description	Release Date	Document
Reminder for lengthy notification text is available	When you enter the notification title/content in the console, if the text cannot be fully displayed on some device models, the console will display the corresponding reminder, which does not affect the normal delivery of the push	June 10, 2020	<a href="#">Text Length Limit Description</a>
The toolbox feature is updated	In the toolbox, you can query some basic attributes of a device by token	June 10, 2020	-

## May 2020

Update	Description	Release Date	Document
Push funnel data at the application level is available	Data for daily and real-time trends in message delivery, arrival (PV/UV), click, and dismissal at the application level is provided and can be viewed by channel	May 25, 2020	<a href="#">Data Overview</a>
Task-level channel selection is supported	A push channel can now be specified for a single push to save the vendor channel quota	May 7, 2020	-

## April 2020

Update	Description	Release Date	Document
Quota reminder is available for the Mi channel	After the quota of the Mi channel is used up, pushes will be automatically delivered through the Tencent Push Notification Service channel, and reminders will be displayed in the console	April 23, 2020	-
Push records can be searched for in the console	Pushes can now be searched for by `pushid`	April 23, 2020	-
Push progress is displayed	Push progress is now displayed on the push details page in the <a href="#">console</a> for you to view the delivery status	April 23, 2020	-
Push time is	Push time analysis is added on the push details	April 23, 2020	-



displayed	page for you to view push arrivals and clicks in real time		
The toolbox is updated	"Notification bar status" is added in the toolbox, enabling you to query whether the notification bar is enabled on a device based on the token	April 23, 2020	-
The tag combination logic is optimized	"AND", "OR", and "NOT" operations are supported for tags for more precise user grouping	April 9, 2020	<a href="#">Tagging Feature</a>
More metrics are available in data overview	More metrics are added on the data overview page for you to view push data in more dimensions	April 9, 2020	-

## March 2020

Update	Description	Release Date	Document
Multi-package name push is fully supported for Android	Multi-package name push is now supported for the Tencent Push Notification Service channel and major vendor channels	March 12, 2020	<a href="#">Multi-Package Name Push Feature</a>

## February 2020

Update	Description	Release Date	Document
Interactions in the console are upgraded	The functionality structure in the console is optimized	February 24, 2020	-
The SDK can be quickly integrated	Quick integration based on configuration file is supported for Android; Codeless integration can be implemented for iOS based on local tools	February 24, 2020	<ul style="list-style-type: none"> <li><a href="#">Quick Integration with Android</a></li> <li><a href="#">Quick Integration with iOS</a></li> </ul>
Resource-level permissions are supported	You can now grant operation permissions of a specified application to a specified sub-account	February 24, 2020	<a href="#">Authorizable Tencent Push Notification</a>

[Service Resource Types](#)

## January 2020

Update	Description	Release Date	Document
Quota exceeding policy is supported for vendor channels	After a vendor channel quota is used up, messages will be automatically delivered through the Tencent Push Notification Service channel to ensure message arrival as much as possible	February 24, 2020	<a href="#">Vendor Channel Limit Description</a>

## December 2019

Update	Description	Release Date	Document
Push details are optimized	Push details can now be displayed by channel, and push effect can now be analyzed at the channel level	December 25, 2019	<a href="#">Querying Push Records</a>
A trial mechanism is added	The Tencent Push Notification Service service can be used free of charge for 30 days for applications with less than 1,000 daily active users (DAUs)	December 25, 2019	-
The toolbox is launched	Troubleshooting tools are launched for querying device information by token, binding accounts and tags, and quickly identifying push issues in a self-service manner	December 19, 2019	-
Aggregate statistics are available	Push funnel data of multiple pushes can be aggregated through the `groupid` field	December 19, 2019	<a href="#">Querying Aggregated Statistics for Multiple Tasks</a>

# SDK for Android

Last updated : 2022-12-14 18:18:03

## November 2022

Update	Description	Release Date	Documentation
SDK v1.3.6.2 release	<ul style="list-style-type: none"><li>Upgraded the Mi Push SDK to v5.1.0.</li><li>Upgraded the Huawei Push SDK to v6.7.0.300.</li></ul>	November 3, 2022	<ul style="list-style-type: none"><li><a href="#">SDK Download</a></li><li><a href="#">Android SDK Upgrade Guide</a></li></ul>

## September 2022

Update	Description	Release Date	Documentation
SDK v1.3.6.1 release	<ul style="list-style-type: none"><li>Upgraded the OPPO PUSH SDK to v3.1.0.</li><li>Upgraded the Mi Push SDK to v5.0.8.</li><li>Optimized the image loading policy of notifications delivered with the Tencent Push Notification Service channel.</li><li>Supported the Meizu Push channel on Meizu Meilan devices.</li><li>Optimized the compatibility with Android 13.</li><li>Fixed the issue where an additional notification channel was created when a custom notification ringtone was used.</li></ul>	September 1, 2022	<ul style="list-style-type: none"><li><a href="#">SDK Download</a></li><li><a href="#">Android SDK Upgrade Guide</a></li></ul>

## July 2022

Update	Description	Release Date	Documentation
SDK v1.3.5.0 release	<ul style="list-style-type: none"><li>Adjusted the policy for choosing the vendor channel for HONOR phones.</li><li>Optimized the internal communication mechanism of the SDK to improve the communication efficiency.</li><li>Optimized the internal reporting mechanism of the SDK to reduce the traffic usage.</li></ul>	July 6, 2022	<ul style="list-style-type: none"><li><a href="#">SDK Download</a></li><li><a href="#">Android SDK Upgrade Guide</a></li></ul>

## June 2022

Update	Description	Release Date	Documentation
SDK v1.3.4.3 release	<ul style="list-style-type: none"><li>Added the `XGPushConfig.enableAutoStart` API for configuring the autostart feature (disabled by default).</li></ul>	June 7, 2022	<ul style="list-style-type: none"><li><a href="#">SDK Download</a></li><li><a href="#">Android SDK Upgrade Guide</a></li></ul>

## May 2022

Update	Description	Release Date	Documentation
SDK v1.3.4.1 release	<ul style="list-style-type: none"><li>Supported configuring small icon for default notification in the metadata.</li><li>Optimized the use and display of `PendingIntent`.</li><li>Fixed the issue where the device was detected to check the existence of a light sensor.</li><li>Fixed other known issues.</li></ul>	May 31, 2022	<ul style="list-style-type: none"><li><a href="#">Android SDK Upgrade Guide</a></li></ul>

## April 2022

Update	Description	Release Date	Documentation
SDK v1.3.3.3 release	<ul style="list-style-type: none"><li>Supported the Huawei push channel for a device with an EMUI system.</li><li>Fixed the issue where the persistent connection retry interval was inaccurate.</li><li>Supported the HONOR push channel. See <a href="#">HONOR Channel Integration</a> for details.</li></ul>	April 25, 2022	<a href="#">SDK Download</a>

## February 2022

Update	Description	Release Date	Documentation

<p>SDK v1.3.2.0 release</p>	<ul style="list-style-type: none"> <li>Upgraded the encapsulated SDK versions for Mi, Meizu, OPPO, and vivo pushes.</li> <li>Added an API to allow users to get the custom parameter `customContent` delivered with pushed messages on the push target page.</li> <li>Fixed other known issues.</li> </ul>	<p>February 23, 2022</p>	<ul style="list-style-type: none"> <li><a href="#">SDK Download</a></li> <li>For how to get `custom_content` delivered with pushed messages, see <a href="#">Notification Tap-to-Redirect &gt; Getting parameters on the client</a>.</li> <li><a href="#">Android SDK Upgrade Guide</a></li> </ul>
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## January 2022

Update	Description	Release Date	Documentation
<p>SDK v1.3.1.1 release</p>	<ul style="list-style-type: none"> <li>Added a new method for adapting to HONOR device badges.</li> <li>Added the feature to regularly update notification status.</li> <li>Updated vendor channel policies.</li> <li>Optimized the registration and account binding processes.</li> <li>Removed some broadcast events that may cause applications to automatically start.</li> <li>Fixed the issue where the Android Service component automatically started.</li> </ul>	<p>January 18, 2022</p>	<p><a href="#">SDK Download</a></p>

## September 2021

Update	Description	Release Date	Documentation
<p>SDK v1.2.7.1 release</p>	<p>Fixed the issue of occasional cross-process storage inconsistency.</p>	<p>September 1, 2021</p>	<ul style="list-style-type: none"> <li>When using the new in-app messaging feature, pay attention to the compatibility between WebView and higher</li> </ul>

			<p>Android versions. For more information, see <a href="#">API Documentation</a>.</p> <ul style="list-style-type: none"> <li>• <a href="#">SDK Download</a></li> <li>• <a href="#">Android SDK Upgrade Guide</a></li> </ul>
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## August 2021

Update	Description	Release Date	Documentation
SDK v1.2.7.0 release	<ul style="list-style-type: none"> <li>• Supported in-app message display.</li> <li>• Optimized the Tencent Push Notification Service registration process.</li> <li>• Fixed the issue where the device model cannot be obtained before a user agrees to the Privacy Policy.</li> </ul>	August 27, 2021	<ul style="list-style-type: none"> <li>• When using the new in-app messaging feature, pay attention to the compatibility between WebView and higher Android versions. For more information, see <a href="#">API Documentation</a>.</li> <li>• <a href="#">Android SDK Upgrade Guide</a></li> </ul>

## July 2021

Update	Description	Release Date	Documentation
SDK 1.2.6.0 release	<ul style="list-style-type: none"> <li>• Added the feature of limiting API call frequency.</li> <li>• Supported configuring notification channels for FCM frontend notifications and local Tencent Push Notification Service notifications.</li> <li>• Optimized persistent connection retry policies.</li> </ul>	July 6, 2021	<ul style="list-style-type: none"> <li>• <a href="#">SDK Download</a></li> <li>• <a href="#">Android FAQs</a></li> </ul>

- Optimized the logic for reporting the number of daily active users and SDK startup events.
- Placed SDK logs in a hidden directory.
- Disabled the session keep-alive feature by default. If you need to enable it, see the documentation Android FAQs.
- Fixed IPv6 request failures.

## May 2021

Update	Description	Release Date	Documentation
SDK v1.2.5.0 release	<ul style="list-style-type: none"> <li>• Added the API for tag query.</li> <li>• Added the API for binding phone numbers to send ordinary and intelligent SMS messages.</li> <li>• Supported SSL encrypted communication over persistent connection.</li> <li>• Upgraded the API for binding accounts by adding multiple preset account types.</li> <li>• Supported clearing notifications pushed through the Mi channel (devices of MIUI 11 or earlier) via the API for clearing all notifications.</li> <li>• Supported badge display on HONOR mobile phones.</li> </ul>	May 26, 2021	<ul style="list-style-type: none"> <li>• Because JCenter has been deprecated, you may encounter issues when pulling SDK dependencies. See <a href="#">Android SDK Upgrade Guide</a> to configure the dependency repository mirror source.</li> <li>• When using the new API for tag query, you need to add the implementation method <code>onQueryTagsResult</code> in the implementation class that inherits <code>XGPushBaseReceiver</code>.</li> </ul>

## February 2021

Update	Description	Release Date	Documentation
SDK v1.2.3.1 release	Fixed a logic error of the Huawei disable component.	February 4, 2021	-

## January 2021

Update	Description	Release Date	Documentation

Update	Description	Release Date	Documentation
SDK v1.2.3.0 release	<ul style="list-style-type: none"> <li>Optimized the network communication protocol to support secondary message encryption.</li> <li>Simplified APIs for client account, tag, and attribute settings.</li> <li>Added the `traceld` and `templated` fields to the notification callback.</li> <li>Supported the badge logic for new HONOR phones.</li> <li>Fixed the ANR issue that occasionally occurred during network connection checks.</li> </ul>	January 27, 2021	-
SDK v1.2.2.4 release	<ul style="list-style-type: none"> <li>Fixed the special character handling issue in Intent strings of FCM notifications.</li> <li>Fixed other known issues.</li> </ul>	January 18, 2021	-

## November 2020

Update	Description	Release Date	Documentation
SDK v1.2.2.0 release	<ul style="list-style-type: none"> <li>Unified the naming conventions for account and tag operation APIs.</li> <li>Optimized SDK error code reporting.</li> <li>Upgraded the FCM channel protocol to enable the FCM system to take over the display of notifications sent through the FCM channel.</li> <li>Added the support for badge coloring for messages sent through the Tencent Push Notification Service channel.</li> <li>Supported Gzip compression during network communication.</li> <li>Fixed the service unbinding exception that might occur in multi-thread environments.</li> </ul>	November 26, 2020	-
SDK v1.2.1.3 release	<ul style="list-style-type: none"> <li>Optimized the internal logic.</li> <li>Officially supported Huawei Push SDK v5 starting from this version. Update the integration configuration as instructed in <a href="#">Huawei Channel v5 Integration</a>.</li> </ul>	November 11, 2020	-



## October 2020

Update	Description	Release Date	Documentation
SDK v1.2.1.1 release	<ul style="list-style-type: none"><li>Added <b>user attribute</b> APIs for personalized push.</li><li>Added the <b>in-app message</b> feature and several in-app message templates.</li><li>Optimized and updated the SO files.</li><li>Optimized the SDK internally.</li></ul>	October 12, 2020	-

## July 2020

Update	Description	Release Date	Documentation
SDK v1.2.0.3 release	Fixed known issues.	July 30, 2020	-
SDK v1.2.0.2 release	Optimized the internal logic.	2020-07-01	-

## June 2020

Update	Description	Release Date	Documentation
SDK v1.2.0.1 release	<ul style="list-style-type: none"><li>Supported collecting statistics on vendor channel notification click events.</li><li>Added more custom notification styles.</li><li>Upgraded the SDK for OPPO PUSH to v2.1.0.</li></ul>	June 23, 2020	This version involves package name changes. Modify relevant configurations as instructed in <a href="#">SDK Integration</a> : <ul style="list-style-type: none"><li>Automatic integration: Pay attention to the obfuscation configuration.</li><li>Manual integration: Pay attention to the SO</li></ul>

			files, manifest file, and obfuscation configuration.
SDK v1.1.6.3 release	Optimized third-party vendor channel integration.	2020-06-04	-

## April 2020

Update	Description	Release Date	Documentation
SDK v1.1.6.1 release	Fixed the vulnerability with HTTPS certificate verification.	April 28, 2020	-
SDK v1.1.6.0 release	<ul style="list-style-type: none"> <li>Optimized the encryption protocol.</li> <li>Optimized network connection.</li> <li>Supported badge configuration for the Huawei channel.</li> <li>Upgraded the SDK for Mi Push to v3.7.5 and SDK for Meizu Push to v3.9.0.</li> <li>Supported Realme and Black Shark channels.</li> <li>Removed the call of Beacon to get QIMEI information.</li> </ul>	April 21, 2020	<a href="#">Badge Adaptation Guide</a>
SDK v1.1.5.5 release	Fixed the issue where DCL violation occurred when an application was released in Google Play.	April 2, 2020	-

## March 2020

Update	Description	Release Date	Documentation
SDK v1.1.5.4 release	<ul style="list-style-type: none"> <li>Optimized network connection.</li> <li>Added account types.</li> <li>Fixed issues with security alarming.</li> <li>Added the compatibility with XG Platform version upgrade.</li> <li>Added the feature of getting QIMEI information.</li> <li>Added the feature of disabling session keep-alive.</li> </ul>	March 6, 2020	-

## January 2020

Update	Description	Release Date	Documentation
SDK v1.1.5.3 release	<ul style="list-style-type: none"><li>Optimized the network.</li><li>Optimized security alarming.</li></ul>	January 14, 2020	-

## December 2019

Update	Description	Release Date	Documentation
SDK v1.1.5.2 release	Optimized error monitoring.	December 19, 2019	-
SDK v1.1.5.1 release	Optimized crash monitoring.	December 12, 2019	-
SDK v1.1.5.0 release	<ul style="list-style-type: none"><li>Optimized the Huawei push.</li><li>Upgraded the OPPO PUSH SDK to v2.0.2.</li></ul>	2019-12-04	-

## November 2019

Update	Description	Release Date	Documentation
SDK v1.1.4.0 release	<ul style="list-style-type: none"><li>Added internal error reporting.</li><li>Added the compatibility with Huawei PUSH v3.</li><li>Added the compatibility with OnePlus devices.</li></ul>	November 21, 2019	-
SDK v1.1.3.2 release	Optimized statistics collection.	November 13, 2019	-
SDK v1.1.3.1 release	Optimized the network.	November 11, 2019	-

## October 2019

Update	Description	Release Date	Documentation
SDK v1.1.3.0 release	<ul style="list-style-type: none"><li>• Optimized data reporting.</li><li>• Optimized logging to add the local log reporting feature.</li><li>• Added API call chaining.</li><li>• Optimized the system internally to improve resource release.</li></ul>	October 31, 2019	-

## September 2019

Update	Description	Release Date	Documentation
SDK v1.1.2.1 release	<ul style="list-style-type: none"><li>• Optimized the notification bar display.</li><li>• Optimized some APIs.</li><li>• Added the support for audio rich media.</li><li>• Optimized the SDK internally.</li></ul>	September 27, 2019	<a href="#">Usage of audiovisual rich media</a>

# SDK for iOS

Last updated : 2022-12-14 18:18:03

## September 2022

Update	Description	Release Date	Documentation
SDK v1.3.9.2 release	<ul style="list-style-type: none"><li>Fixed known issues.</li><li>Separated the registration dependencies of vendor channels and Tencent Push Notification Service channel to shorten the registration process.</li></ul>	September 23, 2022	<a href="#">SDK Download</a>

## July 2022

Update	Description	Release Date	Documentation
SDK v1.3.9.1 release	<ul style="list-style-type: none"><li>Fixed known issues.</li><li>Replaces the reporting domain name to reduce the reporting bandwidth usage.</li></ul>	July 6, 2022	<a href="#">SDK Download</a>

## May 2022

Update	Description	Release Date	Documentation
SDK v1.3.9.0 release	<ul style="list-style-type: none"><li>Fixed known issues.</li><li>Improves the performance of business APIs.</li></ul>	May 25, 2022	<a href="#">SDK Download</a>

## September 2021

Update	Description	Release Date	Documentation
SDK v1.3.4.1 release	<ul style="list-style-type: none"><li>Improves the accuracy of notification bar status.</li><li>Modifies the in-app messaging API.</li></ul>	September 10, 2021	<a href="#">SDK Download</a>

## August 2021

Update	Description	Release Date	Documentation
SDK v1.3.4.0 release	<ul style="list-style-type: none"><li>Fixes the issue where the network connection occasionally fails after a persistent connection is reconnected many times.</li><li>Fixes the occasional issue of inaccurate online status of Tencent Push Notification Service caused by app redirection.</li><li>Adds support for supplementary push via in-app messages.</li></ul>	August 26, 2021	<ul style="list-style-type: none"><li><a href="#">SDK Download</a></li><li><a href="#">Upgrade Guide</a></li></ul>

## July 2021

Update	Description	Release Date	Documentation
SDK v1.3.3.0 release	<ul style="list-style-type: none"><li>Fixes the issue where cluster switching does not take effect in real time.</li><li>Fixes the issue of inaccurate binding when tag APIs are called frequently.</li><li>Upgrades the SDK deployment target to version 9.0.</li><li>Improves the performance of account binding and registration callback.</li><li>Adds support for the `show_type` field of RESTful APIs. This field can be used to configure not to display notifications when the app is running in the foreground.</li><li>Adds support for SSL in persistent connections.</li><li>Supports the feature of identifying whether an app start is triggered by notification clicking.</li></ul>	July 06, 2021	<a href="#">SDK Download</a>

## June 2021

Update	Description	Release Date	Documentation

<p>SDK v1.3.2.1 release</p>	<ul style="list-style-type: none"> <li>Fixes the compatibility issue of referencing Tencent Push Notification Service's `InAppMessage.framework` under Xcode v12.5.</li> <li>Fixes the issue where two devices have the same Tencent Push Notification Service token during iCloud backup and restoration.</li> <li>Optimizes the logic to make sure that after a user switches access points, the logs of the original access point will not be reported.</li> <li>Adds the API for binding mobile numbers to send ordinary and intelligent SMS messages.</li> <li>The demo demonstrates the "License Agreement" before the method of push notification pop-up window.</li> <li>Supports log prompt when the `startXGWithAccessID` API is incorrectly called.</li> <li>Supports log prompt when a hook conflict between the third-party SDK and `AppDelegate` occurs.</li> <li>Deletes unnecessary log prompts in production environments.</li> </ul>	<p>June 1, 2021</p>	<p><a href="#">Upgrade Guide</a></p>
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## April 2021

Update	Description	Release Date	Documentation
<p>SDK v1.3.1.1 release</p>	<p>Fixes the issue where the GCDAsync library may cause compilation conflicts.</p>	<p>April 19, 2021</p>	<p>-</p>
<p>SDK v1.3.1.0 release</p>	<ul style="list-style-type: none"> <li>Fixes the issue where the audio playback rules of Tencent Push Notification Service and APNs channels are inconsistent.</li> <li>Fixes the issue where the encrypted fields delivered via the cloud control emergency solution become invalid during cluster switching.</li> <li>Fixes the issue where sometimes statistical log reporting fails.</li> <li>Fixes the issue where it might fail to overwrite notifications that carried `thread-id`.</li> <li>Optimizes the prompts of some error logs.</li> </ul>	<p>April 12, 2021</p>	<p>-</p>

	<ul style="list-style-type: none"> <li>Improves the accuracy of the terminal's environmental verification of Tencent Push Notification Service token.</li> <li>Supports automatic reissue of the badge number set when the Tencent Push Notification Service network connection fails.</li> <li>Improves the arrival and reporting of silent messages to make them more timely.</li> <li>Supports querying tags.</li> <li>Supports callbacks for notification permission applications.</li> <li>Tencent Push Notification Service channel supports `thread_id` message grouping.</li> <li>Adds sample code for global cluster switching to the demo.</li> <li>Adds support for callbacks for successful Tencent Push Notification Service network connection and disconnection.</li> </ul>		
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## January 2021

Update	Description	Release Date	Documentation
SDK v1.3.0.0 release	<ul style="list-style-type: none"> <li>Fixes crashes in multi-thread and low-memory scenarios.</li> <li>Reduces unnecessary MQTT network timeout detection.</li> <li>Supports a higher performance report mode for arrival.</li> <li>Reduces the size of the in-app message plugin package.</li> <li>Encrypts requests that obtain Tencent Push Notification Service tokens.</li> <li>Adds parameter checking logic and error callback for account, tag, and user attributes.</li> <li>Deletes account type enumeration and makes it customizable.</li> </ul>	January 25, 2021	-

## November 2020

Update	Description	Release Date	Documentation
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SDK v1.2.9.0 release	<ul style="list-style-type: none"> <li>Fixes the image download issue for rich media push.</li> <li>Fixes the Tencent Push Notification Service channel online issue when the app runs in the background.</li> <li>Fixes repeated Tencent Push Notification Service tokens that might occur in v1.2.5.2 or earlier.</li> <li>Fixes persistent connection establishment issues.</li> <li>Fixes conflicting names between "in-app message" and some SDKs.</li> <li>Optimizes local cache performance.</li> <li>Optimizes the report time of the app notification switch status.</li> <li>Optimizes the persistent connection processing mechanism in weak network scenarios.</li> <li>Optimizes account APIs.</li> <li>Adds Tencent Push Notification Service demo code samples.</li> <li>Adds the local notification feature.</li> <li>Supports IPv6.</li> <li>Deletes the compatible code of the free version.</li> </ul>	November 25, 2020	-
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## October 2020

Update	Description	Release Date	Documentation
SDK v1.2.8.1 release	Fixes known issues.	October 29, 2020	-

## September 2020

Update	Description	Release Date	Documentation
SDK v1.2.8.0 release	<ul style="list-style-type: none"> <li>Adds <b>user attribute</b> APIs for personalized push.</li> <li>Adds the <b>in-app message</b> feature and several in-app message templates.</li> </ul>	September 27, 2020	-

- Supports message delivery via the Tencent Push Notification Service channel.
- Fixes known issues.

## July 2020

Update	Description	Release Date	Documentation
SDK v1.2.7.2 release	<ul style="list-style-type: none"> <li>• Adds the custom event report feature.</li> <li>• Improves the success rate of reporting the number of arrivals.</li> <li>• Fixes known issues.</li> </ul>	July 23, 2020	-

## May 2020

Update	Description	Release Date	Documentation
SDK v1.2.6.1 release	<ul style="list-style-type: none"> <li>• Improves stability and fixes known issues.</li> <li>• Optimizes integration and adds the registration callback method.</li> <li>• Adds the Tencent Push Notification Service channel and supports message delivery via the Tencent Push Notification Service channel when message delivery via the APNs channel fails.</li> <li>• Optimizes data statistics.</li> </ul>	May 06, 2020	<a href="#">Registration Callback Method</a>

## April 2020

Update	Description	Release Date	Documentation
SDK v1.2.5.4 release	Improves stability and fixes known issues.	April 22, 2020	-

## March 2020

Update	Description	Release Date	Documentation
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SDK v1.2.5.3 release	<ul style="list-style-type: none"> <li>• Supports unregistering free Tencent Push Notification Service clusters to avoid repeated pushes.</li> <li>• Supports replacing repeated messages in the notification extension.</li> </ul>	March 19, 2020	<a href="#">Terminating Tencent Push Notification Service</a>
SDK v1.2.5.2 release	<ul style="list-style-type: none"> <li>• Improves push precision and adds account type enumeration.</li> <li>• Improves stability, optimizes log I/O, and fixes message receiving callback issue for iOS 10.</li> </ul>	March 6, 2020	-

## February 2020

Update	Description	Release Date	Documentation
SDK v1.2.5.1 release	<ul style="list-style-type: none"> <li>• Simplifies the integration. Deletes report APIs and uses SDK auto-processing.</li> <li>• Improves stability and fixes crashes caused by the caching module.</li> </ul>	February 20, 2020	-

## January 2020

Update	Description	Release Date	Documentation
SDK v1.2.4.9 release	<ul style="list-style-type: none"> <li>• Improves stability. Fixes crashes triggered by message statistics and a memory leak issue.</li> <li>• Improves SDK compatibility.</li> </ul>	2020-01-06	-

## December 2019

Update	Description	Release Date	Documentation
SDK v1.2.4.8 release	Improves stability and fixes crashes triggered by message statistics.	December 24, 2019	-
SDK v1.2.4.7 release	Improves stability and fixes crashes triggered by message statistics and log record.	December 19, 2019	-

SDK v1.2.4.6 release	<ul style="list-style-type: none"> <li>Optimizes the SDK registration process and improves the registration success rate.</li> <li>Optimizes rich media push. Supports non-suffixed resources.</li> <li>Fixes known issues.</li> </ul>	December 16, 2019	-
SDK v1.2.4.5 release	<ul style="list-style-type: none"> <li>Adds crash monitoring.</li> <li>Optimizes arrival data statistics.</li> <li>Optimizes the statistics of accumulated number of devices.</li> <li>Optimizes SDK I/O performance.</li> <li>Optimizes SDK stability.</li> </ul>	December 12, 2019	-

## November 2019

Update	Description	Release Date	Documentation
SDK v1.2.4.4 release	Optimizes SDK registration process. Improves message delivery.	2019-11-28	-
SDK v1.2.4.3 release	Optimizes SDK compatibility.	November 26, 2019	-
SDK v1.2.4.2 release	Fixes the Tencent Push Notification Service token obtaining issue via the SDK.	November 22, 2019	-
SDK v1.2.4.1 release	<ul style="list-style-type: none"> <li>Adds log upload APIs.</li> <li>Optimizes SDK stability.</li> <li>Optimizes SDK compatibility.</li> </ul>	November 13, 2019	-
SDK v1.2.4.0 release	<ul style="list-style-type: none"> <li>Fixes the single-account binding callback issue.</li> <li>Improves the compatibility between SDK and third parties.</li> <li>Separates device push environments to optimize statistics.</li> <li>Optimizes the caching logic for replacing app information.</li> <li>Improves the SDK registration success rate.</li> </ul>	November 12, 2019	-

## October 2019

Update	Description	Release Date	Documentation
SDK v1.2.3.0 release	Fixes the issue that occurs when the device token changes.	2019-10-21	-

## September 2019

Update	Description	Release Date	Documentation
SDK v1.2.2.1 release	Fixes the network connection issue that occurs when an API is called during the SDK launch.	2019-09-29	-

## August 2019

Update	Description	Release Date	Documentation
SDK v1.2.2.0 release	<ul style="list-style-type: none"><li>Fixes the registration issue for iOS 13.</li><li>Fixes the network connection issue that occurs when the app status changes.</li></ul>	August 28, 2019	-
SDK v1.2.1.2 release	<ul style="list-style-type: none"><li>Fixes the statistic clicking issue.</li><li>Fixes the tag binding API issue that occurs when the network condition changes.</li></ul>	August 19, 2019	-
SDK v1.2.1.0 release	<ul style="list-style-type: none"><li>Adds APIs to query tokens generated by Tencent Push Notification Service.</li><li>Fixes the single-account binding issue.</li></ul>	August 8, 2019	-

## July 2019

Update	Description	Release Date	Documentation
SDK v1.2.0.0 release	<ul style="list-style-type: none"><li>Adds the independent statistic report SDK.</li><li>Optimizes the client register service.</li><li>Updates the parsing logic of `DeviceToken`.</li></ul>	July 30, 2019	-
SDK v1.1.0.1 release	<ul style="list-style-type: none"><li>Fixes the verification logic of username and password.</li><li>Fixes the SDK dynamic loading issue.</li></ul>	July 25, 2019	-

SDK v1.1.0.0 release	<ul style="list-style-type: none"><li>• Adds the PushKit plugin.</li><li>• Optimizes the SDK launch time.</li></ul>	July 18, 2019	-
SDK v1.0.1.0 release	<ul style="list-style-type: none"><li>• Adds persistent connection push.</li><li>• Improves the support for the PushKit plugin. Currently, registration, unregistration, and report are supported.</li></ul>	July 11, 2019	-
SDK v1.0.0.0 release	Initial version	2019-07-05	-

# SDK for macOS

Last updated : 2022-10-25 17:32:48

## June 2021

Update	Description	Release Date	Documentation
SDK v1.0.5.0 release	<ul style="list-style-type: none"><li>Optimizes the Tencent Push Notification Service channel.</li><li>Optimizes data statistics.</li><li>Fixes known issues.</li></ul>	June 16, 2021	<a href="#">SDK Download</a>

## April 2020

Update	Description	Release Date	Documentation
SDK v1.0.4.0 release	<ul style="list-style-type: none"><li>Optimizes integration and adds a registration callback method.</li><li>Adds support for sending messages via the Tencent Push Notification Service channel.</li><li>Optimizes data statistics.</li><li>Improves stability and fixes known issues.</li></ul>	April 28, 2020	N/A

## March 2020

Update	Description	Release Date	Documentation
SDK v1.0.2.9 release	<ul style="list-style-type: none"><li>Improves push precision and adds account type enumeration.</li><li>Improves stability and fixes the log I/O issue.</li></ul>	March 19, 2020	N/A

## January 2020

Update	Description	Release Date	Documentation
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SDK v1.0.2.8 release	<ul style="list-style-type: none"> <li>Fixes the crash caused by message statistics.</li> <li>Simplifies integration and optimizes the usage of the reporting API. (You only need to call it in the start method. For more information, see the demo.)</li> <li>Improves stability and fixes known crashes.</li> <li>Improves SDK compatibility.</li> </ul>	January 07, 2020	N/A
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## December 2019

Update	Description	Release Date	Documentation
SDK v1.0.2.6 release	<ul style="list-style-type: none"> <li>Improves stability and fixes crashes caused by message statistics or logging.</li> </ul>	December 19, 2019	N/A
SDK v1.0.2.5 release	<ul style="list-style-type: none"> <li>Optimizes the SDK registration process and improves the registration success rate.</li> <li>Optimizes rich media push. Supports non-suffixed resources.</li> <li>Fixes known issues.</li> </ul>	December 16, 2019	N/A
SDK v1.0.2.4 release	<ul style="list-style-type: none"> <li>Adds support for crash monitoring.</li> <li>Optimizes the statistics of accumulated device numbers.</li> <li>Optimizes SDK I/O performance.</li> <li>Improves SDK stability.</li> </ul>	December 12, 2019	N/A

## November 2019

Update	Description	Release Date	Documentation
SDK v1.0.2.3 release	<ul style="list-style-type: none"> <li>Improves SDK compatibility.</li> <li>Optimizes SDK registration process and improves message deliverability.</li> </ul>	November 28, 2019	N/A
SDK v1.0.2.2 release	<ul style="list-style-type: none"> <li>Fixes the issue of obtaining the Tencent Push Notification Service token via the SDK.</li> </ul>	November 26, 2019	N/A
SDK v1.0.2.1 release	<ul style="list-style-type: none"> <li>Adds the log upload API.</li> <li>Improves SDK stability and compatibility.</li> </ul>	November 13, 2019	N/A



SDK v1.0.2.0 release	<ul style="list-style-type: none"> <li>Fixes the single-account binding callback issue.</li> <li>Improves the compatibility between SDK and third parties.</li> <li>Separates device push environments to optimize statistics.</li> <li>Optimizes the caching logic for replacing app information.</li> <li>Improves the SDK registration success rate.</li> </ul>	November 12, 2019	N/A
SDK v1.0.1.2 release	<ul style="list-style-type: none"> <li>Fixes the issue that occurs when the device token changes.</li> </ul>	November 02, 2019	N/A

## October 2019

Update	Description	Release Date	Documentation
SDK v1.0.1.1 release	<ul style="list-style-type: none"> <li>Fixes the network connection issue that occurs when an API is called during the SDK launch.</li> </ul>	October 21, 2019	N/A

## August 2019

Update	Description	Release Date	Documentation
SDK v1.0.1.0 release	<ul style="list-style-type: none"> <li>Fixes the network connection issue that occurs during application status switch.</li> </ul>	August 21, 2019	N/A
SDK v1.0.0.2 release	<ul style="list-style-type: none"> <li>Fixes the click statistics issue.</li> <li>Adds the API for querying the token generated by Tencent Push Notification Service.</li> <li>Fixes the failure to bind a single account.</li> <li>Fixes the issue with the SDK version number in the reported data.</li> </ul>	August 15, 2019	N/A
SDK v1.0.0.0 release	<ul style="list-style-type: none"> <li>Initial version</li> </ul>	August 1, 2019	N/A