

GameSDK API Document (Android)

Name	Date	version	remark
Nengjie	2020.3.17	V1.0.0	created
Nengjie	2020.4.8	V1.0.1	Improvements
Nengjie	2020.4.14	V1.0.2	Improvements
Nengjie	2020.4.14	V1.0.3	Improvements
Nengjie	2020.4.20	V1.0.4	Improvements
Nengjie	2020.4.24	V1.0.5	Improvements
Nengjie	2020.5.8	V1.0.7	Improvements
Nengjie	2020.5.15	V1.0.8	Add Google login and PayBy payment
Nengjie	2020.5.26	V1.0.10	Improvements
Nengjie	2020.6.8	V1.1.1	Improvements
Nengjie	2020.6.24	V1.1.2	Add facebook login and twitter login
Nengjie	2020.7.6	V1.1.3	1. Add appsFlyer and tapjoy. 2.Add the ability to block users. 3.Modify the returned user information.
Nengjie	2020.7.19	V1.1.4	add huawei
Nengjie	2020.8.3	V1.1.5	add botim
Xuefeng	2020.8.18	V1.1.6	add track api (AppsFlyer)
Xuefeng	2020.8.25	V1.1.7	add customer service(based on the Messenger)
Xuefeng	2020.8.28	V1.1.8	fix payment problem
Xuefeng	2020.09.01	V1.1.9	add drift game api
Xuefeng	2020.09.18	V1.1.10	PayBy payment optimization
Xuefeng	2021.01.11	V1.1.14	add xsolla pay
Xuefeng	2021.08.31	V1.1.16	remove huawei and tapjoy
Xuefeng	2021.12.28	V1.1.18	fix google play billing problem
Xuefeng	2022.02.24	V1.2.0	add billing event track

Xuefeng	2022.07.20	V1.3.0	add migration code features
Xue feng	2022.08.17	V1.4.0	add generic login page

1.Version update notes

- add generic login page, see 6 - 6.10.

2. Explanation

2.1 API call

All methods are encapsulated in TGameSDK. Call it statically.

2.2 Errors

code	message
0	success
900	internal error
920	unauthorized request, need login.
921	user is disabled
922	unauthorized request, invalid access token
923	no permission
924	invalid access token, another client was authorized.
925	invalid access token or access token expired, need login.
926	migrated
927	username not found
928	password not match
929	password not match too much

996	resource already exists
997	resource not exists
998	duplicate operation
999	invalid parameter

3. API: Initialization

3.1 Field Description

TGMessage

Params	Note
id	ID of the current message
title	Title of current message
content	Contents of the current message
time	The sending time of the current message
senderId	Current sender's id

onForbiddenCallback

Params	Note
expired	Expiration time forbidden to the user
reason	Reasons for prohibiting the user

3.2 Init

Method	init
Params	
activity	Context
callback	TGInitCallback
Response	
result	Return status result
Note	Called in onCreate () of the homepage (must)

Example:

```

@Override
protected void onCreate() {
    super.onCreate();
    TGameSDK.init(this, new TInitCallback() {
        @Override
        public void initComplete(TGResult result) {
            if (result.isSuccessful()){
                //Return success
            }else{
                //Return failed
            }
        }

        @Override
        public void onMessageReceived(TGMessage message) {
            //Receive push messages
        }

        @Override
        public void onLoginExpired() {
            //Login has expired, please log in again
        }

        @Override
        public void onForbiddenCallback(long expired, String reason){
            //Blocking the current user
        }
    });
}

```

4. API: Configuration

4.1 Enable Log Output

Method	openLogInfo
--------	-------------

Example:

```
TGameSDK.openLogInfo();
```

4.2 Disable Log Output(default)

Method	closeLogInfo
Note	Default

Example:

```
TGameSDK.closeLogInfo();
```

4.3 Set Test Environment

Method	setServerDomainTest
--------	---------------------

Example:

```
TGameSDK.setServerDomainTest();
```

4.4 Set Production Environment(default)

Method	setServerDomainProduction
Note	Default

Example:

```
TGameSDK.setServerDomainTest();
```

4.5 Set Sandbox Payment

Method	setPayEnvironmentTest
--------	-----------------------

Example:

```
TGameSDK.setPayEnvironmentTest();
```

4.6 Set Production Payment(default)

Method	setPayEnvironmentProduction
Note	Default

Example:

```
TGameSDK.setPayEnvironmentProduction();
```

4.7 Version Update

Method	checkVersionUpdate
Params	
callback	TGVersionUpdateCallback

Response	
info	VersionInfo: int versionCode: Game version code. String versionName: Game version name. String versionInfo: Game version info. boolean forceUpdate: Whether the current version is forced to update.

Example:

```

TGameSDK.checkVersionUpdate(new TGVersionUpdateCallback() {
    @Override
    public void onResult(TGResult result, VersionInfo info) {
        if (result.isSuccessful()) {
            //Return success
        } else {
            //Return failed
        }
    }
});

```

5. Must call function on homepage

5.1 Start game

Method	start
Params	
activity	Context
callback	TGResultCallback
Response	
result	Return status result
info	
Note	Called in onStart of the homepage (must)

Example:

```

TGameSDK.start(this, new TGResultCallback() {
    @Override
    public void onResult(TGResult result) {
        if (result.isSuccessful()) {
            //Return success
        } else {

```

```

        //Return failed
    }
});
}

```

5.2 Pause the game

Method	pause
Params	
activity	Context
callback	TGResultCallback
Response	
result	Return status result
Note	Called in onPause of the homepage (must)

Example:

```

@Override
protected void onPause() {
    super.onPause();
    TGameSDK.pause(this, new TGResultCallback() {
        @Override
        public void onResult(TGResult result) {
            if(result.isSuccessful()){
                //Return success
            }else{
                //Return failed
            }
        }
    });
}

```

5.3 Resume game

Method	resume
Params	
activity	Context
callback	TGResultCallback
Response	
result	Return status result
Note	Called in onResume of the homepage (must)

Example:

```

@Override
protected void onResume() {
    super.onResume();
    TGameSDK.resume(this, new TGRestultCallback() {
        @Override
        public void onResult(TGResult result) {
            if (result.isSuccessful()){
                //Return success
            }else{
                //Return failed
            }
        }
    });
}

```

5.4 Destroy the game

Method	destory
Params	
activity	Context
callback	TGRestultCallback
Response	
result	Return status result
Note	Called in onDestroyof the homepage (must)

Example:

```

@Override
protected void onDestroy() {
    super.onDestroy();
    TGameSDK.destory(this, new TGRestultCallback() {
        @Override
        public void onResult(TGResult result) {
            if (result.isSuccessful()){
                //Return success
            }else{
                //Return failed
            }
        }
    });
}

```

6. API: Login & Logout

6.1 Field Description

TGUserInfo :

Params	Type	Note
userId	String	User's id
accessToken	String	The current user's token, which is used to authenticate the user.
thirdUid	String	Unique identifier id for third party login
nickname	String	User's nickname
photoUrl	String	User's avatar
age	String	User's age
gender	String	User's gender, 0: woman, 1: man
thirdType	String	0 Guest logged in 1 Login via totok 2 Login via facebook 5 Login via google 6 Login via twitter 7 Login via huawei 8 Login via botim 10 Login via custom

TGTokenInfo :

Params	Type	Note
userId	String	User's id
accessToken	String	The current user's token, which is used to authenticate the user.

6.2 openPrivacyPolicyAndUserAgreement

Method	openPrivacyPolicyAndUserAgreement
Params	
callback	TGResultCallback
Response	
result	Return status result

Example:

```
TGameSDK.openPrivacyPolicyAndUserAgreement (new
    TGResultCallback() {
```

```

        @Override
        public void onResult(TGResult result) {
            if (result.isSuccessful()){
                //Users accept privacy policies and user agreements
            }
        }
    });

```

6.3 Login with Guest

Method	guestLogin
Params	
activity	Context
callback	TGUserInfoCallback
Response	
result	Return status result
userInfo	User information returned after logging in, see 6.1 for details.

Example:

```

TGGameSDK.guestLogin(context, new TGUserInfoCallback() {
    @Override
    public void onResult(TGResult result, TGUserInfo userInfo) {
        if (result.isSuccessful()){
            //Login successful
        }else{
            //Login failed
        }
    }
});

```

6.4 Login with Client

Method	clientLogin
Params	
activity	Context
callback	TGUserInfoCallback
Response	
result	Return status result
userInfo	User information returned after logging in, see 6.1 for details.

Example:

```
TGameSDK.clientLogin(context, new TGUserInfoCallback() {
@Override
    public void onResult(TGResult result, TGUserInfo userInfo) {
        if (result.isSuccessful()){
            //Login successful
        }else{
            //Login failed
        }
    }
});
```

6.5 Login via google

Method	googleLogin
Params	
activity	Context
callback	TGUserInfoCallback
Response	
result	Return status result
userInfo	User information returned after logging in, see 6.1 for details.

Example:

```
TGameSDK.googleLogin(context, new TGUserInfoCallback() {
@Override
    public void onResult(TGResult result, TGUserInfo userInfo) {
        if (result.isSuccessful()){
            //Login successful
        }else{
            //Login failed
        }
    }
});
```

6.6 Login via facebook

Method	facebookLogin
Params	
activity	Context
callback	TGUserInfoCallback
Response	
result	Return status result

userInfo	User information returned after logging in, see 6.1 for details.
----------	--

Example:

```

TGameSDK.facebookLogin(context, new TGUserInfoCallback() {
    @Override
    public void onResult(TGResult result, TGUserInfo userInfo) {
        if (result.isSuccessful()) {
            //Login successful
        } else {
            //Login failed
        }
    }
});

```

6.7 Login via twitter

Method	twitterLogin
Params	
activity	Context
callback	TGUserInfoCallback
Response	
result	Return status result
userInfo	User information returned after logging in, see 6.1 for details.

Example:

```

TGameSDK.twitterLogin(context, new TGUserInfoCallback() {
    @Override
    public void onResult(TGResult result, TGUserInfo userInfo) {
        if (result.isSuccessful()) {
            //Login successful
        } else {
            //Login failed
        }
    }
});

```

6.8 Login via huawei

Method	huaweiLogin
Params	
activity	Context
callback	TGUserInfoCallback

Response	
result	Return status result
userInfo	User information returned after logging in, see 6.1 for details.

Example:

```

TGameSDK.huaweiLogin(context, new TGUserInfoCallback() {
    @Override
    public void onResult(TGResult result, TGUserInfo userInfo) {
        if (result.isSuccessful()){
            //Login successful
        }else{
            //Login failed
        }
    }
});

```

6.9 Login via botim

Method	botimLogin
Params	
activity	Context
callback	TGUserInfoCallback
Response	
result	Return status result
userInfo	User information returned after logging in, see 6.1 for details.

Example:

```

TGameSDK.botimLogin(context, new TGUserInfoCallback() {
    @Override
    public void onResult(TGResult result, TGUserInfo userInfo) {
        if (result.isSuccessful()){
            //Login successful
        }else{
            //Login failed
        }
    }
});

```

6.10 Generic login page

Method	startLogin
Params	

activity	Context
callback	TUserStatusCallback
Response	

Example:

```
TGameSDK.startLogin(this, new UserStatusCallback() {
    @Override
    public void onSuccess(TGUserInfo userInfo) { // login success, return user info

    }
    @Override
    public void onFailed(int code, String msg) {
        //login failed,
        //code: error code. msg:error description
    }
});
```

6.11 Add notification of account being kicked

Method	addAccountKickedNotification
Params	
callback	TGAccountKickedNotification
Response	
result	Return to description

Example:

```
TGameSDK.addAccountKickedNotification(new
    TGAccountKickedNotification() {
        @Override
        public void onResult(String describe) {
        }
    });
```

6.12 Get User Info

Method	getUserInfo
Params	
activity	Context
callback	TGUserInfoCallback
Response	
result	Return status result
userinfo	TGUserInfo

Example:

```
TGameSDK.getUserInfo(context, new TGUserInfoCallback() {  
    @Override  
    public void onResult(TGResult result, TGUserInfo userInfo) {  
        if (result.isSuccessful()){  
            //Get user success  
        }else{  
            //Failed to get user information  
        }  
    }  
});
```

6.13 Get Login Type

Method	getLoginType
Params	
activity	Context
Response	
type	Login type: -1 not logged in 0 Guest logged in 1 Login via totok 2 Login via facebook 5 Login via google

	6 Login via twitter
	7 Login via huawei
	8 Login via botim
	10 Login via custom

Example:

```
int type=TGameSDK.getLoginType();
```

6.14 Logout

Method	logout
Params	
activity	Context
callback	TGResultCallback
Response	
result	Return status result

Example:

```
TGameSDK.logout(context, new TGResultCallback() {
    @Override
    public void onResult(TGResult result) {
        if (result.isSuccessful()){
            //Sign out successfully
        }else{
            //Logout failed
        }
    }
});
```

6.15 GetAvailableAccessToken

Method	getAvailableAccessToken
Params	
callback	TGAvailableTokenCallback
Response	
result	Return status result
Note	When you call the login api, you get the accessToken, At this time the accessToken is valid and can be verified on the

	<p>server.</p> <p>In future business processes, if you still need to use accessToken, you can get it through this api.</p>
--	--

Example:

```

TGameSDK.getAvailableAccessToken(new TGAavailableTokenCallback() {
    @Override
    public void onResult(TGResult result, TGTokenInfo info) {
        if (result.isSuccessful()){
            LogUtil.d("Token: "+info.getAccessToken());
        }else{

        }
    }
});

```

7. API: Payment

7.1 Field Description

OrderInfo:

Params	Type	Note
orderId	String	Order id
orderRef	String	Payment order third party order id
env	String	Payment environment
sku	String	This is the skuid, which corresponds to the product ID added in the Google Play Console.
amount	String	Price of the product. Value of the original price multiplied by 100.
createTime	String	Order creation time
payTime	String	Order payment time
cancelTime	String	Order cancellation time
status	String	Payment status, return value description: 0.in payment 1.payment successful 2.Payment failed
currency	String	Returns ISO 4217 currency code for price and original price.

		For example, if price is specified in British pounds sterling, price_currency_code is "GBP".
--	--	--

TGSkuDetails:

Params	Type	Note
title	String	Name of the product
description	String	Description of the product
sku	String	This is the skuid, which corresponds to the product ID added in the Google Play Console.
price	double	Price of the product.
currency	String	Returns ISO 4217 currency code for price and original price. For example, if price is specified in British pounds sterling, price_currency_code is "GBP".

7.2 Payment (Google Billing)

Method	paymentGoogle
Params	
activity	Context
skuld	This is the skuid, which corresponds to the product ID added in the Google Play Console.
callback	TGPayResultCallback
Response	
result	Return status result
info	OrderInfo , See 7.1 for field descriptions.

Example:

```
TGameSDK.paymentGoogle(activity, skuId, new TGPayResultCallback() {
    @Override
    public void onResult(TGResult result, OrderInfo info) {
        if (result.isSuccessful()){
            if (info!=null){
                if ("0".equals(info.getStatus())){
                    //In payment
                }else if ("1".equals(info.getStatus())){
                    //Payment successful
                }else if ("2".equals(info.getStatus())){
                    //Payment failure
                }
            }
        }
    }
});
```

```

        }
    }
    }else{
        Toast.makeText(this, result.getMessage(),
            Toast.LENGTH_SHORT).show();
    }
}
});

```

7.3 Huawei Payment

Method	paymentHuawei
Params	
activity	Context
skuld	This is skuid, which corresponds to Huawei's product ID.
callback	TGPayResultCallback
Response	
result	Return status result
info	OrderInfo , See 7.1 for field descriptions.

Example:

```

TGameSDK.paymentHuawei(activity, skuId, new TGPayResultCallback() {
    @Override
    public void onResult(TGResult result, OrderInfo info) {
        if (result.isSuccessful()) {
            if (info != null) {
                if ("0".equals(info.getStatus())) {
                    //In payment
                } else if ("1".equals(info.getStatus())) {
                    //Payment successful
                } else if ("2".equals(info.getStatus())) {
                    //Payment failure
                }
            }
        } else {
            Toast.makeText(this, result.getMessage(),
                Toast.LENGTH_SHORT).show();
        }
    }
});

```

7.4 PayBy Payment

Method	paymentPayBy
--------	--------------

Params	
activity	Context
skuld	This is the skuid, which corresponds to the product ID added in the Google Play Console.
currency	Currency codes, such as AED
callback	TGPayResultCallback
Response	
result	Return status result
info	OrderInfo , See 7.1 for field descriptions.

Example:

```

TGameSDK.paymentPayBy(activity, skuId, "AED",
    new TGPayResultCallback() {
        @Override
        public void onResult(TGResult result, OrderInfo info) {
            if (result.isSuccessful()){
                if (info!=null){
                    if ("0".equals(info.getStatus())){
                        //In payment
                    }else if ("1".equals(info.getStatus())){
                        //Payment successful
                    }else if ("2".equals(info.getStatus())){
                        //Payment failure
                    }
                }
            }else{
                Toast.makeText(this, result.getDebugMessage(),
                    Toast.LENGTH_SHORT).show();
            }
        }
    }
);

```

7.5 Query Order

Method	orderQuery
Params	
activity	Context
orderId	The id of the order
callback	TGPayResultCallback
Response	
result	Return status result
info	OrderInfo , See 7.1 for field descriptions.

Example:

```
TGameSDK.orderQuery(activity, orderId, new TGRestultCallback() {
    @Override
    public void payResult(TGRestult result, OrderInfo info) {
        if (result.isSuccessful()){

        }else{

        }
    }
});
```

7.6 Query google sku detail

Method	queryGoogleSkuDetailsAsync
Params	
skuList	List<String> type, the list of sku you want to query.
callback	TGQuerySkuCallback
Response	
result	Return status result
skuDetails	For a list of sku details, see 7.1 for the TGSkuDetails field information.

Example:

```
List<String> skuList= new ArrayList<>();
```

```
    skuList.add("");
```

```
    skuList.add("");
```

```
    skuList.add("");
```

```
TGameSDK.queryGoogleSkuDetailsAsync( skuList, new
TGQuerySkuCallback() {
    @Override
    public void payResult(TGRestult result , List<TGSkuDetails>
skuDetails) {
        if (result.isSuccessful()){

        }else{

        }
    }
});
```

7.7 Query huawei sku detail

Method	queryHuaweiSkuDetailsAsync
Params	
skuList	List<String> type, the list of sku you want to query.
callback	TGQuerySkuCallback
Response	
result	Return status result
skuDetails	For a list of sku details, see 7.1 for the TGSkuDetails field information.

Example:

```
List<String> skuList= new ArrayList<>();
```

```
    skuList.add("");
```

```
    skuList.add("");
```

```
    skuList.add("");
```

```
TGameSDK.queryHuaweiSkuDetailsAsync( skuList, new
TGQuerySkuCallback() {
    @Override
    public void payResult(TGResult result , List<TGSkuDetails>
skuDetails) {
        if (result.isSuccessful()){

        }else{

        }
    }
});
```

8.API: Share

8.1 Field Description

TGFriendInfo

Params	Note
ttkUid	user id

name	Friend's name
photoUrl	Friends' avatars

TGBotimFriendInfo

Params	Note
botimUid	botim user id
name	Friend's name
photoUrl	Friends' avatars

TGPlayingFriendInfo

Params	Note
ttkUid	user id
userId	User id of friend
name	Friend's name
photoUrl	Friends' avatars

TGBotimPlayingFriendInfo

Params	Note
botimUid	botim user id
userId	User id of friend
name	Friend's name
photoUrl	Friends' avatars

ImageObject

Params	Note
uri	Resource ID for shared local images

NoticeObject

Params	Note
uid	user id
title	Shared title
text	Shared text content
imgUrl	Shared web picture address

InviteObject

Params	Note
uid	user id
text	Shared text content
imgUrl	Shared web picture address
buttonTitle	Shared click button name

BotimObject

Params	Note
uid	user id
title	Shared title
text	Shared text content
imgUrl	Shared web picture address

8.2 Share

8.2.1 Get Client Friends

Method	getFriendsList
Params	
activity	Context
callback	TGFriendsCallback
Response	
result	Return status result
friendInfos	TGFriendInfo , See 8.1 for field descriptions.

Example:

```
TGameSDK.getFriendsList(context, new TGFriendsCallback() {
    @Override
    public void onResult(TGResult result,
        List<TGFriendInfo> friendInfos) {
        if (result.isSuccessful()){
            //Successful getting friend list
        }else{
            //Failed to get a list of friends
        }
    }
});
```


8.2.2 Get ClientPlaying Game Friends

Method	getPlayingFriendsList
Params	
activity	Context object
callback	TGPlayingFriendsCallback
Response	
result	Return status result
friendInfos	TGPlayingFriendInfo, See 8.1 for field descriptions.

Example:

```
TGameSDK.getPlayingFriendsList(context
,new TGPlayingFriendsCallback(){
    @Override
    public void onResult(TGResult result,
    List<TGPlayingFriendInfo> friendInfos) {
        if (result.isSuccessful()){
            //Success getting friend list
        }else{
            //Failed to get buddy list
        }
    }
});
```

8.2.3 Share To Server

Method	shareToServer
Params	
activity	Context
params	NoticeObject or InviteObject. See 8.1 for field descriptions.
callback	TGResultCallback
Response	
result	Return status result

Example:

```
NoticeObject object= new NoticeObject();
object.setUid();
object.setTitle("");
object.setText("");
```

```

object.setImgUrl("");

or

InviteObject object= new InviteObject();
object.setUid("");
object.setText("");
object.setButtonTitle("");
object.setImgUrl("");

TGameSDK.shareToServer(this, object, new TGRestultCallback() {
    @Override
    public void onResult(TGRestult result) {
        if (result.isSuccessful()) {
            //Share success
        } else {
            //Share failed
        }
    }
});

```

8.2.4 Share To App

Method	shareToApp
Params	
activity	Context
params	ImageObject object or NoticeObjectobject. See 8.1 for field descriptions.
callback	TGRestultCallback
Response	
result	Return status result

Example:

```

ImageObject object = new ImageObject();
object.setUri( );

or

NoticeObject object= new NoticeObject();
object.setUid("");
object.setTitle("");
object.setText("");
object.setImgUrl("");

TGameSDK.shareToApp(this, object, new TGRestultCallback() {
    @Override
    public void onResult(TGRestult result) {
        if (result.isSuccessful()) {
            //Share success
        } else {

```

```

        //Share failed
    }
}
});

```

8.3 Share (botim)

8.3.1 Get Botim Friends

Method	getBotimFriendsList
Params	
activity	Context
callback	TGBotimFriendsCallback
Response	
result	Return status result
friendInfos	TGBotimFriendInfo , See 8.1 for field descriptions.

Example:

```

TGameSDK.getBotimFriendsList(context, new TGBotimFriendsCallback() {
    @Override
    public void onResult(TGResult result,
        List<TGBotimFriendInfo> friendInfos) {
        if (result.isSuccessful()){
            //Successful getting friend list
        }else{
            //Failed to get a list of friends
        }
    }
});

```

8.3.2 Get Botim Playing Game Friends

Method	getBotimPlayingFriendsList
Params	
activity	Context object
callback	TGBotimPlayingFriendsCallback
Response	
result	Return status result
friendInfos	TGBotimPlayingFriendInfo, See 8.1 for field descriptions.

Example:

```
TGameSDK.getBotimPlayingFriendsList(context
,new TGBotimPlayingFriendsCallback(){
    @Override
    public void onResult(TGResult result,
    List<TGBotimPlayingFriendInfo> friendInfos) {
        if (result.isSuccessful()){
            //Success getting friend list
        }else{
            //Failed to get buddy list
        }
    }
});
```

8.3.3 Share To Botim Server

Method	shareToBotimServer
Params	
activity	Context
params	BotimObject See 8.1 for field descriptions.
callback	TGResultCallback
Response	
result	Return status result

Example:

```
BotimObject object= new BotimObject();
object.setUid();
object.setTitle("");
object.setText("");
object.setImgUrl("");

TGameSDK.shareToBotimServer(this, object, new TGResultCallback() {
    @Override
    public void onResult(TGResult result) {
        if (result.isSuccessful()) {
            //Share success
        } else {
            //Share failed
        }
    }
});
```

8.3.4 Share To Botim App

Method	shareToBotimApp
Params	
activity	Context
params	ImageObject object. See 8.1 for field descriptions.
callback	TGResultCallback
Response	
result	Return status result

Example:

```
ImageObject object = new ImageObject();
object.setUri( );
```

```
TGameSDK.shareToBotimApp(this, object, new TGResultCallback() {
    @Override
    public void onResult(TGResult result) {
        if (result.isSuccessful()) {
            //Share success
        } else {
            //Share failed
        }
    }
});
```

8.4 Share (Third-Party)

8.4.1 Share To Facebook

Method	shareToFacebook
Params	
activity	Context
callback	TGResultCallback
Response	
result	Return status result

Example:

```
TGameSDK.shareToFacebook(context, new TGResultCallback() {
    @Override
    public void onResult(TGResult result) {
```

```

        if (result.isSuccessful()) {
            //Successful
        } else {
            //Failed
        }
    }
});

```

9. API: Push

9.1 Receive Push Message

Setup the callback object to TGameSDK.init to receive a push message

Example:

```

@Override
protected void onCreate() {
    super.onCreate();
    TGameSDK.init(this, new TGRestCallback() {
        @Override
        public void initComplete(TGRest result) {

        }

        @Override
        public void onMessageReceived(TGMessage message) {
            //Received push message
        }
    });
}

```

TGMessage fields:

id	Message id
title	Title of the message
content	The content of the message
time	Message sent time

10. API: Track

10.1 Field Description

TGEventType

Params	Note
LOGIN	login event
ACTIVE_USER	active user
PURCHASE	purchase event
GUIDE	guide event
REWARD	reward event
RANK	rank event
VIP_INFO	vip info event
AD_CLICK	ad click event

TGEventParamName

Params	Note
ACTIVE_ID	active id
ACTIVE_ACTION	active action
USER_ID	user id
USER_TYPE	user login type
PRODUCT_ID	product id
REVENUE	revenue
CURRENCY	currency type
ORDER_ID	order id
GAME_ID	game id
REWARD_ID	reward id
USER_VIP	user VIP level
AD_ID	ad id

10.2 Track Event

Method	trackEvent
Params	
eventType	TGEventType parameter or some string event types
eventParam	Map<String,Object> type,the key is the TGEventType parameter or some string event type

Example:

```
Map<String, Object> eventParam= new ArrayMap<>();
eventParam.put(TGEventParamName.USER_VIP, "VIP8");
eventParam.put(TGEventParamName.USER_ID, "123456");
eventParam.put(USER_TYPE, "botim");
```

```
TGameSDK.trackEvent(TGEventType.VIP_INFO,eventParam);
```

11. API: Customer Service

10.1 Contact us With Messenger

Method	customerService
Params	
context	Context

Example:

```
TGameSDK.customerService(this);
```