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	V.1.1.4	add huaweiadd huawei
Nengjie	2020.8.3	V1.1.5	add botim

1.Version update notes:

- In 6.9, add botim login.
- In 8.3, add botim to share related APIs.

2. Explanation

2.1 API call

All methods are encapsulated in TGameSDK. Call it statically.

2.2 Callback

All callbacks return the object result of TGResult, which is contained in TGResult :
Response code：int code=result.getResponseCode().
TGResult.isSuccessful() to determine if the call was successful.

Response message：String msg=result.getDebugMessage().

2.3 Errors

0	succeed
-1	Unknown error
-2	Network not connected
1001	GameId invalid
1002	AppId invalid
1003	AppSecret invalid
1004	Google client id invalid
1005	Uninitialized
1006	Does not support payment
1007	Does not support sharing
1008	Does not support push
1009	Facebook accessToken invalid
1010	Facebook accessExpire invalid
1011	Login cancelled
1012	consumerKey invalid
1013	consumerSecret invalid
1014	Does not support facebook login
1015	Does not support twitter login

1016	Does not support google login
1017	Google service connection failure
1018	Blocking the current user
2001	Failed to get configuration information
2002	Unforced update
2003	Parameter error
2004	Server returns data exceptions
2005	No permission to call this API
3001	Authorization failed
3002	Unauthorized request, need login
3003	Invalid access token, please login first.
4001	Google play services available
4002	Billing uninitializad
4003	Not connected to Google
4004	BILLING_RESPONSE_RESULT_USER_CANCELED
4005	BILLING_RESPONSE_RESULT_SERVICE_UNAVAILABLE
4006	BILLING_RESPONSE_RESULT_BILLING_UNAVAILABLE
4007	BILLING_RESPONSE_RESULT_ITEM_UNAVAILABLE
4008	BILLING_RESPONSE_RESULT_DEVELOPER_ERROR
4009	BILLING_RESPONSE_RESULT_ERROR
4010	BILLING_RESPONSE_RESULT_ITEM_ALREADY_OWNED
4011	BILLING_RESPONSE_RESULT_ITEM_NOT_OWNED
4012	The payment has been cancelled.
5001	Application not installed
5002	Share the failure
5003	This sharing type is not supported.

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 TGInitCallback() {
        @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 Enbale 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.setPayEnvironmentProducttion();
```

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 TGResultCallback() {
        @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	TGResultCallback
Response	
result	Return status result
Note	Called in onDestoryof the homepage (must)

Example:

```
@Override
protected void onDestory() {
    super.onDestory();
    TGameSDK.destory(this, new TGResultCallback() {
        @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 | 1 Guest logged in<br>2 Login via client<br>3 Login via google<br>4 Login via facebook<br>5 Login via twitter<br>6 Login via huawei<br>7 Login via botim |

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:

```
TGameSDK.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 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 descibe) {

    }

});
```

6.11 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

        }

    }

});
```

6.12 Get Login Type

Method	getLoginType
Params	

activity	Context
Response	
type	Login type: 0 not logged in, 1 Guest logged in, 2 Login via client 3 Login via google 4 Login via facebook 5 Login via twitter 6 Login via huawei 7 Login via botim

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

6.13 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
      }
   }
});
```

6.14 GetAvailableAccessToken

Method	getAvailableAccessToken

Params	
callback	TGAvailableTokenCallback
Response	
result	Return status result
Note	When you call the loing api, you get the accessToken, At this time the accessToken is valid and can be verified on the server. In future business processes, if you still need to use accessToken, you can get it through this api.

Example:

```
TGameSDK.getAvailableAccessToken(new TGAvailableTokenCallback() {
    @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	payment
Params	
activity	Context
skuId	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.payment(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.getDebugMessage(),
            Toast.LENGTH_SHORT).show();
        }
    }
});
```

7.3 Huawei Payment

Method	hwPayment
Params	
activity	Context
skuId	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.hwPayment(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.getDebugMessage(),
           Toast.LENGTH_SHORT).show();
        }
      }
});
```

7.4 Payment（Pay after selecting payment method）

Method	payment
Params	
activity	Context
skuId	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.payment(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 TGResultCallback() {
    @Override
    public void payResult(TGResult 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(TGResult  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 TGResultCallback() {
        @Override
        public void onResult(TGResult 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	TGResultCallback
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 TGResultCallback() {
    @Override
    public void onResult(TGResult 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 TGResultCallback() {
        @Override
        public void initComplete(TGResult 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