React Native Facebook Login Integration Example

* Install PlugIn:
* npm install react-native-fbsdk --save
* Link PlugIn:
* react-native link react-native-fbsdk
* Open [Facebook Console](https://developers.facebook.com/apps/) website in your web browser.
* Log-in with your own Facebook ID.
* Click on **Add a new App** button.
* We need to put our Application display name and contact email there & hit the Create App ID button.
* Now on the **Facebook Login** Menu click on **Setup**.
* Select Platform as **Android**.
* There is no need to download the Facebook SDK. Now click on **Next** button.
* On the **Import the Facebook SDK** page you don’t have to do anything. Simply click on **Next** button.
* On the **Tell us about your android project** window, We need to put our **Package name** & **default activity class** name. You can find your app’s package name in Android Manifest file.
* Now while pressing the SAVE button it will ask us again to use this package name so HIT the **Use this package name** button.
* Next and most important step is to Enter the key hashes code here. You can read my Tutorial about [**getting key hash code**](https://reactnativecode.com/generate-release-key-hash-in-windows/) in windows from here. After generating the Key hash code enter your code here and hit the Save button.
* [**Download Open SSL**](https://code.google.com/archive/p/openssl-for-windows/downloads) software from Google Code.
* Now you need to locate the**debug.keystore** file which will be present in your **.android** folder. Location of .android folder is **C:\Users\YourUserName\.android** . **Simply copy the debug.keystore file**.
* Now we need to paste the copied **debug.keystore** file into your **JDK’S BIN** folder. My JDK’s bin folder is located at **C:\Program Files\Java\jdk1.8.0\_92\bin** . **Paste the copied file here**.
* Start Command Prompt as Run as Administrator mode & Open the JDK’S bin folder in CMD.
* Paste the below line of code and press enter. **It will ask you a password so enter android as password**.
* keytool -exportcert -alias androiddebugkey -keystore debug.keystore > c:\openssl\bin\debugkey.txt
* Next step is to open the **OpenSSL’s bin** folder in command prompt
* Now execute below command.
* openssl sha1 -binary debugkey.txt > debug\_hash\_key.txt
* Again execute below command.

|  |
| --- |
| * openssl base64 -in debug\_hash\_key.txt > debug\_real\_key.txt |

* Here you go guys. Now Goto **OpenSSL -> bin** folder. Here you would find a file named as **debug\_real\_key.txt** . This file contains the real release key hash.
* Next step is **Enable Single sign** in on your App.
* Here you go now all of your Facebook console setup is complete. Now we need to Put our Facebook App ID in our react native project. On your Facebook console window you can fine the **Facebook App ID** so **COPY** it.
* GoTo -> **Your\_React\_Native\_Project -> android -> app -> src -> main -> res -> values -> strings.xml** file. Create a string named as **facebook\_app\_id** and put your own copied Facebook App Id here.
* **Source code of my strings.xml file:**
* <string name="facebook\_app\_id">Put your Facebook APP ID Here</string>
* Goto **Your\_React\_Native\_Project -> android -> app -> src -> main -> AndroidManifest.xml file.** We need to add a meta data with newly created Facebook app id string. Put below code in **application** block.

<meta-data android:name="com.facebook.sdk.ApplicationId"

          android:value="@string/facebook\_app\_id"/>

**App.js**

import React, { Component } from 'react';

import { View, StyleSheet, Text, Alert, Image } from 'react-native';

import { LoginButton, AccessToken, GraphRequest, GraphRequestManager } from 'react-native-fbsdk';

export default class App extends Component {

constructor() {

super();

this.state = {

user\_name: '',

avatar\_url: '',

avatar\_show: false

}

}

get\_Response\_Info = (error, result) => {

if (error) {

Alert.alert('Error fetching data: ' + error.toString());

} else {

this.setState({ user\_name: 'Welcome' + ' ' + result.name });

this.setState({ avatar\_url: result.picture.data.url });

this.setState({ avatar\_show: true })

console.log(result);

}

}

onLogout = () => {

this.setState({ user\_name: null, avatar\_url: null, avatar\_show: false });

}

render() {

return (

<View style={styles.container}>

{this.state.avatar\_url ?

<Image

source={{ uri: this.state.avatar\_url }}

style={styles.imageStyle} /> : null}

<Text style={styles.text}> {this.state.user\_name} </Text>

<LoginButton

readPermissions={['public\_profile']}

onLoginFinished={(error, result) => {

if (error) {

console.log(error.message);

console.log('login has error: ' + result.error);

} else if (result.isCancelled) {

console.log('login is cancelled.');

} else {

AccessToken.getCurrentAccessToken().then(data => {

console.log(data.accessToken.toString());

const processRequest = new GraphRequest(

'/me?fields=name,picture.type(large)',

null,

this.get\_Response\_Info

);

// Start the graph request.

new GraphRequestManager().addRequest(processRequest).start();

});

}

}}

onLogoutFinished={this.onLogout}

/>

</View>

);

}

}

const styles = StyleSheet.create({

container: {

flex: 1,

backgroundColor: '#fff',

alignItems: 'center',

},

text: {

fontSize: 20,

color: '#000',

textAlign: 'center',

padding: 20

},

imageStyle: {

width: 200,

height: 300,

resizeMode: 'contain'

}

});

Privacy URL:

https://www.freeprivacypolicy.com/privacy/view/5563653ee4cbfb3723639e289c270eab

Refrence:

<https://reactnativecode.com/facebook-login-integration/>

<https://developers.facebook.com/apps/2493995964145931/fb-login/quickstart/>

<https://reactnativecode.com/generate-release-key-hash-in-windows/>

<https://www.freeprivacypolicy.com/?sscid=91k3_cgje5&>