**Push notification with firebase:**

Just create firbase project connect with Android and ios by using link <https://rnfirebase.io/>.

Then goto <https://rnfirebase.io/messaging/usage>

and install this:

yarn add @react-native-firebase/messaging

all dependencies are completed now only copy and past this code.

import React from 'react';

import messaging from '@react-native-firebase/messaging'

import { View, Text, TouchableOpacity } from 'react-native';

export default class App extends React.Component {

constructor() {

super();

messaging().setBackgroundMessageHandler(async remoteMessage => {

alert('Message handled in the background!', remoteMessage);

});

this.state = {

token: '',

noti: '',

}

}

SendNotification = async () => {

let key='key='+this.state.token

console.log(key)

fetch('https://fcm.googleapis.com/fcm/send', {

method: 'POST',

headers: {

//Accept: 'application/json',

'Content-Type': 'application/json',

'Authorization': 'key=AAAA2ZxVLeg:APA91bHmy2aTpaBt0fBiDhDQ9h0BrPvP6LO-zdwNFmYrwpTGcR7G4m55zVSwBct\_FxitTsH652\_I2Mo6leieY8kvASaCwnQgQ4ucx0YVbQZwuYiCLULBXW6y51i7n\_Gq6FfKcf61az50'//cloud server key

},

body: JSON.stringify({

"to": this.state.token,//"fzkfAmvcQxiT6TBWK2zR7V:APA91bH1mYafTUp5C06WoJAyRIa2x8yOHDuXa43rxDPa7qQcNu9YoJUfwC9hGd4jmd\_Mh9BIuHDWKw1dms5AmWvRGbqXmmees6Pe07CvodSKVEr53klzUnLDzaVxqnHGxBDnEAL9zgOr", //fcm key

"priority": "high",

"notification": {

"title": "From postmans3",

"body": "test notification",

"text": "Text"

}

} // "notification": {

// "body": "New announcement assigned",

// "OrganizationId": "2",

// "content\_available": true,

// "priority": "high",

// "subtitle": "Elementary School",

// "Title": "hello"

// },

// "data": {

// "priority": "high",

// "sound": "app\_sound.wav",

// "content\_available": true,

// "bodyText": "New Announcement assigned",

// "organization": "Elementary school"

// }

// }

)

}).then(res => res.json())

.then(resjson => console.log(resjson))

.catch(err => console.log(err))

}

componentDidMount = async () => {

const settings = await messaging().requestPermission();

if (settings) {

await messaging().registerDeviceForRemoteMessages();

messaging().onNotificationOpenedApp(remoteMessage => {

console.log(

'Notification caused app to open from background state:',

remoteMessage.notification,

);

console.log("Tapped")

});

messaging().onMessage((payload) => {

alert(JSON.stringify(payload))

this.setState({ noti: JSON.stringify(payload) })

});

messaging().getToken().then((currentToken) => {

if (currentToken) {

this.setState({ token: currentToken })

console.log(currentToken)

} else {

alert('No Instance ID token available. Request permission to generate one.');

}

}).catch((err) => {

alert('An error occurred while retrieving token. ' + err);

});

console.log('Permission settings:', settings);

} else {

console.log('Permission settings:', settings);

}

}

render() {

return (

<View styled={{ backgroundColor: 'orange', justifyContent: 'center', alignItems: 'center' }}>

<Text>Firebase Push notifications</Text>

<TouchableOpacity onPress={() => this.SendNotification()} style={{ textAlign: 'center', width: '100%',justifyContent:'center',alignItems:'center', height: 50, backgroundColor: 'green' }}>

<Text >Send Notification</Text>

</TouchableOpacity>

<Text>FCM Token: {this.state.token}</Text>

<Text>Notification Object: {this.state.noti}</Text>

</View>

);

}

}

now got to firebase and cloud messaging and send notification.

**This section for Local Notification With firabase**  
Android:  
Utube Lecture: <https://www.youtube.com/watch?v=z6DEJXYQpP4>

<https://www.youtube.com/watch?v=03-A9HdyB-Y>

1-create firebase project and connect with android   
npm install react-native-firebase

Follow this git hub repository for push notification:  
<https://github.com/zo0r/react-native-push-notification>

2- npm install --save react-native-push-notification

3- npx react-native link react-native-push-notification

4-In your android/build.gradle

googlePlayServicesVersion = "<Your play services version>" // default: "+"

firebaseMessagingVersion = "<Your Firebase version>" // default: "+"

5-change in Androidmenifest  
In your android/app/src/main/AndroidManifest.xml

6-create colors.xml

**do step If you use remote notifications**Make sure you have installed setup Firebase correctly.

In android/build.gradle

buildscript {

...

dependencies {

...

classpath('com.google.gms:google-services:4.3.3')

...

}

}

In android/app/build.gradle

dependencies {

...

implementation 'com.google.firebase:firebase-analytics:17.3.0'

...

}

apply plugin: 'com.google.gms.google-services'

Then put your google-services.json in android/app/.

Use this code for push notification:  
import React, { Component } from 'react';

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

import PushNotification from 'react-native-push-notification'

export default class Login extends Component {

state={

notification:[]

}

async componentDidMount(){

PushNotification.configure({

onRegister: function (token) {

console.log("TOKEN:", token);

},

onNotification: function (notification) {

console.log("NOTIFICATION:", notification);

PushNotification.localNotification({

title:notification.title, // (optional)

message:notification.message, // (required)

});

// notification.finish(PushNotificationIOS.FetchResult.NoData);

},

permissions: {

alert: true,

badge: true,

sound: true,

},

popInitialNotification: true,

requestPermissions: true,

});

// this.testPush()

}

testPush=()=>{

PushNotification.localNotification({

title: "My Notification Title", // (optional)

message: "My Notification Message", // (required)

});

}

render() {

return (

<View style={{justifyContent:'center',alignItems:'center'}}>

<Text>Recieved PushNotification</Text>

</View>

);

}

};

Read this carefully:  
 <https://rnfirebase.io/messaging/notifications>

<https://rnfirebase.io/messaging/usage>