

МСАП Workshop чекор 2

1. Print-screen од кодот кој е додаден во MainActivity.java

```
        FirebaseMessaging.getInstance().getToken()
            .addOnCompleteListener(new OnCompleteListener<String>() {
                @Override
                public void onComplete(@NonNull Task<String> task) {
                    if (!task.isSuccessful()) {
                        Log.w(TAG, "Fetching FCM registration token failed", task.getException());
                        return;
                    }

                    // Get new FCM registration token
                    String token = task.getResult();

                    // Log and toast
                    String msg = "FCM Registration Token: {token}";
                    Log.d(TAG, msg);
                    Toast.makeText(context, MainActivity.this, msg, Toast.LENGTH_SHORT).show();
                }
            });
    }
```

2. Print-screen-овие од кодот додаден во AndroidManifest.xml

```
tools:targetApi="31">

    <meta-data
        android:name="firebase_messaging_auto_init_enabled"
        android:value="false" />

    <meta-data
        android:name="firebase_analytics_collection_enabled"
        android:value="false" />

    <service
        android:name=".MyFirebaseMessagingService"
        android:exported="false">
        <intent-filter>
            <action android:name="com.google.firebase.MESSAGING_EVENT" />
        </intent-filter>
    </service>
<!-- .java.MyFirebaseMessagingService-->
```

3. Print-screen-овие од додадената класа MyFirebaseMessagingService.java

```
activity_main.xml x MainActivity.java x strings.xml x AndroidManifest.xml x MyFirebaseMessagingService.java x
1 package com.example.workshopproject;
2 import ...
14
15 public class MyFirebaseMessagingService extends FirebaseMessagingService {
16
17     4 usages
18     private static final String TAG = "MyFirebaseMsgService";
19
20     1 usage
21     @Override
22     public void onNewToken(@NonNull String token) {
23         Log.d(TAG, "Refreshed token: " + token);
24         String msg = getString(R.string.msg_token_fmt, token);
25
26         Toast.makeText(context, this, msg, Toast.LENGTH_SHORT).show();
27         // If you want to send messages to this application instance or
28         // manage this apps subscriptions on the server side, send the
29         // FCM registration token to your app server.
30     }
31 }
```

```
activity_main.xml x MainActivity.java x strings.xml x AndroidManifest.xml x MyFirebaseMessagingService.java x
31
32 @Override
33 public void onMessageReceived(RemoteMessage remoteMessage) {
34     Log.d(TAG, "From: " + remoteMessage.getFrom());
35
36     // Check if message contains a notification payload.
37     if (remoteMessage.getNotification() != null) {
38         Log.d(TAG, "Notification Message Body: " + remoteMessage.getNotification().getBody());
39         // Create a notification and display it to the user.
40         createNotification(remoteMessage.getNotification().getTitle(), remoteMessage.getNotification().getBody());
41     }
42
43     // Check if message contains a data payload.
44     if (remoteMessage.getData().size() > 0) {
45         Log.d(TAG, "Data Payload: " + remoteMessage.getData());
46     }
47 }
```

```
1 usage
private void createNotification(String title, String message) {
    // Create an intent to launch the app's main activity.
    Intent intent = new Intent(packageContext, this, MainActivity.class);
    intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);

    // Create a pending intent to launch the intent when the user taps the notification.
    PendingIntent pendingIntent = PendingIntent.getActivity(context, this, requestCode: 0, intent, flags: PendingIntent.FLAG_ONE_SHOT | PendingIntent.FLAG_IMMUTABLE);

    // Build the notification and display it to the user.
    NotificationCompat.Builder builder = new NotificationCompat.Builder(context, this)
        .setContentTitle(title)
        .setContentText(message)
        .setSmallIcon(R.drawable.ic_notification)
        .setAutoCancel(true)
        .setContentIntent(pendingIntent);

    NotificationManager notificationManager = (NotificationManager) getSystemService(Context.NOTIFICATION_SERVICE);
    notificationManager.notify(0, builder.build());
}
```

4. Print-screen-овие од Notification composer

Workshop Project ▾
Cloud Messaging
Compose notification

Notification

Notification title ⓘ
Prva Notifikacija

Notification text
Ova e tekstot na notifikacijata

Notification image (optional) ⓘ
Example: <https://yourapp.com/image.png>


Notification name (optional) ⓘ
Enter optional name

Device preview

This preview provides a general idea of how your message will appear on a mobile device. Actual message rendering will vary depending on the device. Test with a real device for actual results.



[Send test message](#)


Initial state Expanded view



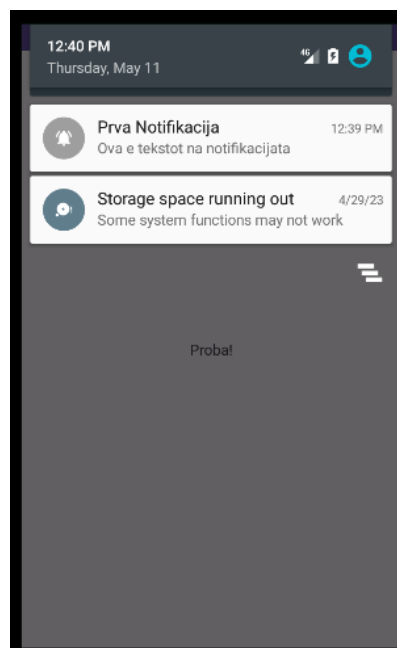
Android

[Filter campaigns](#)[Search by campaign name, description ...](#)[New experiment](#)[New campaign](#)

Campaign	Start	End	Status	Target	Last Updated ↓	Sends / Impressions	Clicks / Opens
 Prva Notifikacija Ova e tekstot na notifikacijata	May 11, 2023 12:37:36 PM	-	Active		May 11, 2023	<1000	0%

 [0/10 Recurring notifications](#) ⓘ

5. Изглед на нотификацијата во емулаторот и Logcat



Logcat: Logcat x +

Galaxy Nexus API 22 (emulator-5554) Android 5.1.1, API 22 MyfirebaseMsgService

```
2023-05-11 12:30:50.113 19446-20712 MyFirebaseMsgService com.example.workshopproject D From: 1297720689
2023-05-11 12:30:50.114 19446-20712 MyFirebaseMsgService com.example.workshopproject D Notification Message Body: Proba
----- PROCESS ENDED (19446) for package com.example.workshopproject -----
----- PROCESS STARTED (21034) for package com.example.workshopproject -----
2023-05-11 12:34:11.108 21034-21034 MyFirebaseMsgService com.example.workshopproject D FCM Registration Token: emimh_FcR1iPwh9irBBnYI:APA91bEKVHJ2kaZJIkd5FqLeJ1F346AP9
2023-05-11 12:39:35.894 21034-21402 MyFirebaseMsgService com.example.workshopproject D From: 1297720689
2023-05-11 12:39:35.895 21034-21402 MyFirebaseMsgService com.example.workshopproject D Notification Message Body: Ova e tekstot na notifikacijata
```