THREADS OF LIFE (HTTP://KARANBALKAR.COM/)

START...PAUSE...RUN BUT NEVER STOP!!!

Tutorial #41: Using AlarmManager and BroadcastReceiver in Android

Posted on **JULY 13, 2013 (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/)** *by* **KARAN BALKAR (HTTP://KARANBALKAR.COM/AUTHOR/KARANBALKAR/)**

UPDATE:

Please refer the updated source code. It can be downloaded from the link at the end of this post.

Hello friends!
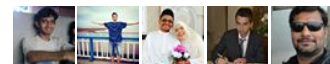
Sometimes we need to create an application that notifies a user at a particular **time/date** even though the user has not opened the application. The Android SDK provides developers an abstract class called BroadcastReceiver (http://developer.android.com/reference/android/content/BroadcastReceiver.html) which is used to pass a notification to the user in case any specific event occurs.

In addition, developers can also schedule and add events using the AlarmManager (http://developer.android.com/reference/android/app/AlarmManager.html) class. As stated in the Android developer's guide, when an alarm goes off, the **Intent** that had been registered using **AlarmManager** is broadcasted by the system, automatically starting the target application if it is not already running.

Using the above concepts, we will now create an Android application that sends a **notification** message to the user at a particular time (for example: 11:25:00 AM).

Pre-requisites: Eclipse IDE (preferably latest version) , Android SDK (tested below code on Android 2.3.3)

Create a new Android application project named **AndroidAlarmManagerDemo** with package name **com.example**. Select Target SDK as **Android 2.3.3**

Now, let's create our startup Activity called **MainActivity** by adding the following code!

MainActivity.java

```java
package com.example;

import java.util.Calendar;
import android.app.Activity;
import android.app.AlarmManager;
import android.app.PendingIntent;
import android.content.Intent;
import android.os.Bundle;

public class MainActivity extends Activity
{

    private PendingIntent pendingIntent;

    @Override
    public void onCreate(Bundle savedInstanceSt
     {

       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity_main);

       Calendar calendar = Calendar.getInstance(

       calendar.set(Calendar.MONTH, 6);
       calendar.set(Calendar.YEAR, 2013);
       calendar.set(Calendar.DAY_OF_MONTH, 13);

       calendar.set(Calendar.HOUR_OF_DAY, 20);
       calendar.set(Calendar.MINUTE, 48);
       calendar.set(Calendar.SECOND, 0);
       calendar.set(Calendar.AM_PM,Calendar.PM);

       Intent myIntent = new Intent(MainActivity
       pendingIntent = PendingIntent.getBroadcas

       AlarmManager alarmManager = (AlarmManager
       alarmManager.set(AlarmManager.RTC, calend

    } //end onCreate
}
```

As stated earlier, we need to create a
BroadcastReceiver that will that receive Intents.
I have named my receiver class as **MyReceiver**.

MyReceiver.java

Display loading
indicator using
AngularJS
(http://karanbalkar.com/2015/11/display-loading-indicator-using-angularjs/)

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Tejas Khairnar on
Tutorial #76:
Implement AES-256
encryption/decryption
using Java
(http://karanbalkar.com/2014/02/tutorial-76-implement-aes-256-

```
package com.example;

import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;

public class MyReceiver extends BroadcastReceiv
{

    @Override
    public void onReceive(Context context, Inte
    {
        Intent service1 = new Intent(context, My
        context.startService(service1);

    }
}
```

We also need to implement a Service (http://developer.android.com/reference/android/app/Service.html) that represents the application's need to run a longer operation in the background without interacting with the user. For this purpose let's create a **Service** called **MyAlarmService**.

Tags

accelerometer, agent, android,
android lollipop,
angular js, animation,
birthday, c++,

```java
package com.example;

import android.app.Notification;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.app.Service;
import android.content.Intent;
import android.os.IBinder;

public class MyAlarmService extends Service
{

    private NotificationManager mManager;

    @Override
    public IBinder onBind(Intent arg0)
    {
        // TODO Auto-generated method stub
        return null;
    }

    @Override
    public void onCreate()
    {
        // TODO Auto-generated method stub
        super.onCreate();
    }

    @SuppressWarnings("static-access")
    @Override
    public void onStart(Intent intent, int start
    {
        super.onStart(intent, startId);

        mManager = (NotificationManager) this.ge
        Intent intent1 = new Intent(this.getAppl

        Notification notification = new Notifica
        intent1.addFlags(Intent.FLAG_ACTIVITY_SI

        PendingIntent pendingNotificationIntent
        notification.flags |= Notification.FLAG_
        notification.setLatestEventInfo(this.get

        mManager.notify(0, notification);
    }

    @Override
    public void onDestroy()
    {
        // TODO Auto-generated method stub
        super.onDestroy();
    }

}
```

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Finally, don't forget to change the *AndroidManifest.xml* file to include the **Service** and the **Receiver** entries along with the necessary permissions. Save all changes and run the project on an Android device. You should see the following output!

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android
    package="com.example"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="8"
        android:targetSdkVersion="10" />

    <uses-permission android:name="android.perm

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name="com.example.MainActiv
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.i
                <category android:name="android
            </intent-filter>
        </activity>

        <activity
            android:name="com.example.NextActiv
            android:label="Next Screen">
        </activity>

        <service android:name=".MyAlarmService"
                 android:enabled="true" />

        <receiver android:name=".MyReceiver"/>

    </application>
</manifest>
```
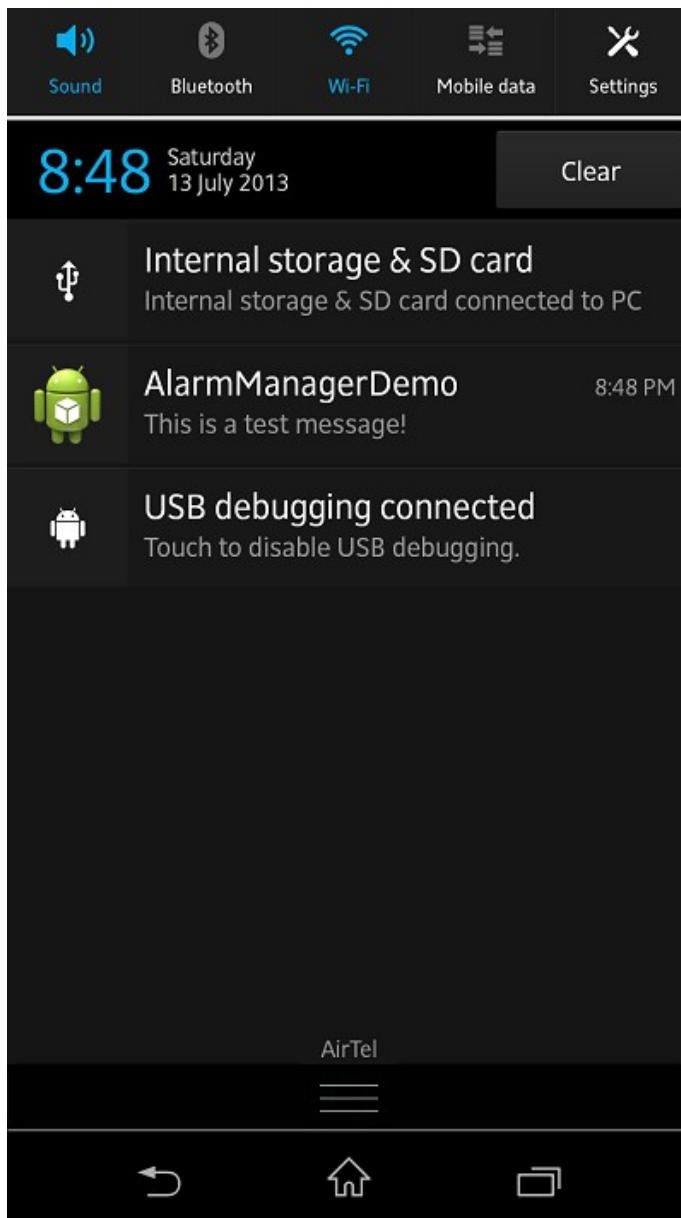
(http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/android_alarm_manager_1/)

Updated source code for this tutorial can be found over here (https://github.com/karanbalkar/AndroidAlarmManagerDemoUpdated)

About Karan Balkar (http://karanbalkar.com/author/Karan Balkar/)

self proclaimed extraterrestrial fandroid, computer engineer, amateur gamer and die hard punk rock fan!

Facebook (https://www.facebook.com/karan.balkar) • Twitter (https://twitter.com/karanbalkar) • Linkedin (http://in.linkedin.com/pub/karan-balkar/33/722/559) • Google (https://plus.google.com/+KaranBalkar) •

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84 thoughts on "Tutorial #41: Using AlarmManager and BroadcastReceiver in Android"

Pingback: Android notification message at a particular time repeated every time the app launched | questions android (http://questions-android.buycity.info/2014/05/28/android-notification-message-at-a-particular-time-repeated-every-time-the-app-launched/)

Jason

[December 4, 2014 at 4:30 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-8401)](http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-8401)

Thanks a lot. Your lessons are well designed for beginners like me.

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=8401#RESPOND)

Krishna
[December 22, 2014 at 1:36 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-9493)](http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-9493)

Hi , I have a small query. Will this alarm fire up a notification even if the app is closed by the user?? I mean we generally clear all those apps running in the background using the menu button in our mobile. I would like to know if this service will run even after the user closes the app(not minimized).If I had to run the service even after the user closes the app what should I do?

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=9493#RESPOND)

[Karan Balkar (http://karanbalkar.com)](http://karanbalkar.com)
[December 22, 2014 at 8:10 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-9518)](http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-9518)

Yes it will run when the applications are closed also. You can try implementing the application yourself. If you are facing any issue please let me know.

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=9518#RESPOND)

Anika
[December 28, 2014 at 6:46 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-9830)](http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-9830)

i want to get notification at 7.20 pm.I have added
calendar.set(Calendar.MONTH, 12);
calendar.set(Calendar.YEAR, 2014);
calendar.set(Calendar.DAY_OF_MONTH, 28);

calendar.set(Calendar.HOUR_OF_DAY,19);
calendar.set(Calendar.MINUTE, 20);
calendar.set(Calendar.SECOND, 0);
calendar.set(Calendar.AM_PM,Calendar.PM);
but no notification
why??

Karan Balkar (http://karanbalkar.com)
December 28, 2014 at 8:13 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-9833)

Have you registered the receiver correctly? can you try adding a few Log statements for verifying the same.

Anika
December 31, 2014 at 10:34 am (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-9933)

the problem is solved .but another problem is when I click on application the notification shows.how to remove?>

Karan Balkar (http://karanbalkar.com)
December 31, 2014 at 7:40 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-9937)

You can comment
the line
mManager.notify
(0, notification);
or remove the
entire code used
to send the
notification.

AndroidGuy
March 2, 2015 at 1:42 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
11765)

Hi Anika can you please tell me how
this problem got resolved, still I am
not getting any notification.

Kashyap
ber 3, 2015 at 10:54 am
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
12295)

Use 12hrs fromat nt 24

Stéphane
December 30, 2014 at 12:26 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-9873)

Same problem for me despite of no message
error

BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=9873#RESPOND)

**Karan Balkar
(http://karanbalkar.com)**
December 30, 2014 at 8:11 am
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
9897)

Please send me your code at
admin@karanbalkar.com
(mailto:admin@karanbalkar.com)
so that I can check it at my end
too.

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=9897#RESPOND)

Prashant
January 6, 2015 at 2:10 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-10110)

The application keeps giving the same alert
repeatedly once the notification is triggered.
So how do we stop the service from
generating the same alert again and again?
i.e. once we click on the notification or clear
it from notifications,new alert must not be
generated unless and until we specify new
time.

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=10110#RESPOND)

**Karan Balkar
(http://karanbalkar.com)**
January 6, 2015 at 7:35 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
10118)

Hi Prashant,

I understood the problem. It is
because the notification is present
in the Service class due to which it
is getting repeated again and again.
I would suggest remove all the
notification code from within the
Service onStart() method and
placing it in a different class all
together. For example, create a
class called Utils.java and add the
notification code over there inside a
method. Then, from the receiver

instead of calling the Service, call the method from the Utils class. I think that should work.

Sorry for the inconvenience. I will update this post soon.

Regards,
Admin

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=10118#RESPOND)

Nabil

17, 2015 at 2:30 am (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-10424)

Hi can you please show me how to prevent the notification from being repeated again and again.

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=10424#RESPOND)

Karan Balkar (http://karanbalkar.com)

January 17, 2015 at 2:23 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-10451)

Hi Nabil,

I understood the problem. It is because the notification is present in the Service class due to which it is getting repeated again and again. I would suggest remove all the notification code from within the Service onStart() method and placing it in a different class all together. For example, create a class called Utils.java and add the notification code over there inside

a method. Then, from the receiver instead of calling the Service, call the method from the Utils class. I think that should work.

Sorry for the inconvenience. I will update this post soon.

Eric

October 6, 2015 at 8 (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12355)

I'm trying to follow what you've said but I don't understand. Do you call that method in the onReceive method of the receiver? And how?

Marco Pistone (https://plus.google.com/+MarcoPistone)
January 9, 2015 at 8:11 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-10213)

Hi, some functions in MyAlarmService class are deprecated because I use minimum SDK Android 4.2. How can I import successfully your code?

The functions that are deprecated are:
the method onStart
the constructor Notification
the method setLatestEventInfo

Waiting for reply,
Greetings

Karan Balkar (http://karanbalkar.com)
January 10, 2015 at 8:22 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-10238)

Hi,

Try using Android 4.4. Choose the minimum SDK and target SDK as Android 4.4 and check. I guess some methods might have been deprecated in newer versions.

Nike
January 14, 2015 at 10:31 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-10360)

Hi,

I've tried to implement you're code exactly lke you have written but I'm not receiving any notification when I try to use the values that a user can put in through date and timepicker dialogs.

When i "hard-code" it, It works. What am I missing?

Nike

Correction:
Not seeing a notification send at the time given. I accidently put the year to 2014 which sent notifications directly. So that part works. But why isn't it working for todays dates and times..

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=10363#RESPOND)

Karan Balkar (http://karanbalkar.com)

It should work for the current date and time as well. Make sure you are using the right values.

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=10399#RESPOND)

Yamen

hi thanks for the good tutorial.
the thing is every time i open the app the receiver is triggered so the service is started and the notification is triggered.
i want the user to use the app (the app have some functionality) but i need the notification to appear only at 8:00:00 am not everytime the application is opened and at 8 am
any suggestions
thanks in advice

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=10439#RESPOND)

**Karan Balkar
(http://karanbalkar.com)**
January 17, 2015 at 2:23 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
10452)

Hi Yamen,

I understood the problem. It is
because the notification is present
in the Service class due to which it
is getting repeated again and again.
I would suggest remove all the
notification code from within the
Service onStart() method and
placing it in a different class all
together. For example, create a
class called Utils.java and add the
notification code over there inside a
method. Then, from the receiver
instead of calling the Service, call
the method from the Utils class. I
think that should work.

Sorry for the inconvenience. I will
update this post soon.

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=10452#RESPOND)

Sawan
January 24, 2015 at 12:38 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-10667)

Hi,
Thank you for this nice example you shared,
I used it in my code and works perfectly fine.
The issue i faced is, if i set a notification at
specific time and my phone get rebooted
before that time, then notification does not
appear.

I did some Google and added few lines of
code for this issue as below,

and now, notification get displayed,
immediately after boot complete without
respect of time i set. Any help will really
appreciated.

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=10667#RESPOND)

**Karan Balkar
(http://karanbalkar.com)**
January 24, 2015 at 4:41 pm
(http://karanbalkar.com/2013/07/tutorial-

41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
10674)

Please check the above comments.
I have mentioned the solution for
the same.

**erumhannan
(http://gravatar.com/erumhannan)**
February 4, 2015 at 9:45 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-10908)

i want to show notification to the user at the
same time means 11:45AM but it should be
repeated alarm ….means this alarm should
be fired on everyday at the same time can u
pls tell how can i do that i m sure i need to
use alarmmanager.setRepeating ….. but may
i need to remove date from calendar ? reply

**Karan Balkar
(http://karanbalkar.com)**
February 5, 2015 at 6:57 am
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
10939)

Please check the previous
comments. I have mentioned a
solution for that.

Kshitij
February 12, 2015 at 4:17 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-11133)

Hey Karan,
This is nice tute of wrote. I have a different
scenario but this post seems close to my
solution. My scenario is like this
I am building an app that on its first run ask
for a licensing key to verify with my server
and then runs offline afterwards. This app

sends some backup data on e-mail when user clicks the backup button. Now that people change the devices every next year i want that I could block the app from running in their old device and give them a new key for their new device.

Now the problem is that my app runs offline. It only connects to internet when user want backup of his data. So how can I schedule a background task in my app that runs after every 30 days without users intervention and checks the key status on server. And if user dont have internet connection then app should wait for whenever the internet connection is available and then check the status. App need not to be running for this job. I only want that the app could check the status of the key whenever the net connection is available and then I could do the further things . Any suggestion is most welcome.

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=11133#RESPOND)

Karan Balkar (http://karanbalkar.com)
February 13, 2015 at 10:38 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-11161)

Hi Kshitij,

Sorry for the late reply. I was out of town. Basically, you need to use a Broadcast Receiver. Your task is very much possible.

Please refer below links:
1) http://www.sitepoint.com/scheduling-background-tasks-android/ (http://www.sitepoint.com/scheduling-background-tasks-android/)
2) http://stackoverflow.com/questions/16155032/android-running-a-background-task-every-15-minutes-even-when-application-is-n (http://stackoverflow.com/questions/16155032/android-running-a-background-task-every-15-minutes-even-when-application-is-n)
3) http://www.jeevanreddy.in/2012/05/scheduling-background-tasks-using-alarm.html (http://www.jeevanreddy.in/2012/05/scheduling-background-tasks-using-alarm.html)

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-

BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=11161#RESPOND)

Kshitij
January 14, 2015 at 1:09 am
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
11167)

Thanks karan. I am going
through the links you
provided. And your reply
was quick...Thanks alot
dude.

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=11167#RESPOND)

Rakesh
February 20, 2015 at 3:16 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-11393)

Notification is only shwing when running
application at particular time . and also not
working while the activity is close. would u
help me

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=11393#RESPOND)

**Karan Balkar
(http://karanbalkar.com)**
February 22, 2015 at 2:01 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
11483)

I have mentioned the solution for
the same in one of my above
comments. You can try that out.
You basically need to use a Service.

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=11483#RESPOND)

Maciej
February 25, 2015 at 2:34 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-11559)

Hey nice tutorial but i have a problem. I selected the same target API as you but my Alarm Service has depricated methods? How do i fix? Thanks 🙂

Karan Balkar (http://karanbalkar.com)
February 25, 2015 at 10:02 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-11607)

You need to search for the new methods that have replaced the deprecated ones from the Android developer's site. However, if your using Eclipse IDE then it should automatically take care of the same.

santosh
March 1, 2015 at 9:07 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-11751)

how can i do the same thing when i want to get notification for particular wifi signal without actually connecting to that wifi signal.

Karan Balkar (http://karanbalkar.com)
March 2, 2015 at 7:46 am (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-11753)

In your case, you need to keep track of the different WiFi states and when the signal is low then trigger the service that sends the notification.

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=11753#RESPOND)**

AndroidGuy
March 2, 2015 at 1:44 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-11766)

Hi Karan , For me I am not getting any
notification.

Calendar calendar = Calendar.getInstance();

calendar.set(Calendar.MONTH, 3);
calendar.set(Calendar.YEAR, 2015);
calendar.set(Calendar.DAY_OF_MONTH, 2);

calendar.set(Calendar.HOUR_OF_DAY, 1);
calendar.set(Calendar.MINUTE, 41);
calendar.set(Calendar.SECOND, 0);
calendar.set(Calendar.AM_PM,Calendar.PM);

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=11766#RESPOND)**

**Karan Balkar
(http://karanbalkar.com)**
March 3, 2015 at 7:07 am
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
11794)

Hi,

You have set the calendar month to
3. That means its April since the
month index starts from 0.

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=11794#RESPOND)**

Niroj
March 4, 2015 at 10:08 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-11836)

Can u pls help me to set multiple alarms &
trigger them all.

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-**

BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=11836#RESPOND)

Chris
March 12, 2015 at 4:10 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-11988)

Can you correct your code so that the alarm
is not released whenever the app is open
please? Thank you

**Karan Balkar
(http://karanbalkar.com)**
March 12, 2015 at 9:56 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
11992)

Hi Chris,

I have mentioned a solution to the
same in one of my above
comments. I suggest you try that
and let me know if you are still
facing the same issue.

Rajeev
March 12, 2015 at 6:54 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-11991)

I have changed the calender time and all but
it is not working when i'm starting this app
that time only notification is coming.
Can you give me the correct solution for that
for which i can start notifiation at particular
time only one time.

**Karan Balkar
(http://karanbalkar.com)**
March 12, 2015 at 9:57 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-

Hi Rajeev,

I have mentioned a solution to the same in one of my above comments. I suggest you try that and let me know if you are still facing the same issue.

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=11993#RESPOND)

Ankit

Modify MainActivity's oncreate

```
public void onCreate(Bundle
savedInstanceState)
{

super.onCreate
(savedInstanceState);
setContentView
(R.layout.activity_main);

Calendar c = Calendar.getInstance
();
Date temp = c.getTime();
Calendar calendar =
Calendar.getInstance();

calendar.set(Calendar.MONTH, 4);
calendar.set(Calendar.YEAR, 2015);
calendar.set
(Calendar.DAY_OF_MONTH, 7);

calendar.set
(Calendar.HOUR_OF_DAY, 12);
calendar.set(Calendar.MINUTE, 31);
calendar.set(Calendar.SECOND, 0);
calendar.set
(Calendar.AM_PM,Calendar.PM);
Date pm = calendar.getTime();

if(pm.after(temp))
{

Intent myIntent = new Intent
(MainActivity.this,
MyReceiver.class);
pendingIntent =
PendingIntent.getBroadcast
(MainActivity.this, 0, myIntent,0);

AlarmManager alarmManager =
(AlarmManager)getSystemService
(ALARM_SERVICE);
alarmManager.set
```

```
(AlarmManager.RTC,
calendar.getTimeInMillis(),
pendingIntent);
}

} //end on
```

Hope this helps

Krishnadas
9, 2015 at 12:25 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
12367)

This solution works fine,
Thank you very much.
How can we set repeating
alarm, say every morning
7.00 am?

**Karan Balkar
(http://karanbalkar.com)**
October 10, 2015 at 10:30 am
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
12371)

Hi,

For setting
repeating alarms
please see this
link
(https://developer.android.com/training/scheduling/alarms.html)

Adam
April 22, 2015 at 11:51 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-11995)

I'm wondering if you could explain why it is necessary to start a new Service from the BroadcastReceiver, as opposed to just creating and issuing the notification from within BroadcastReceiver::onReceive(). Most examples I've seen don't have this extra step of starting a service, unless it is starting a service at boot time to be able to put up notifications even if your application has not been run since rebooting.

Karan Balkar (http://karanbalkar.com)
April 27, 2015 at 8:13 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12004)

Hi Adam,

Yes you are right. In this example, my approach is wrong since at the time of writing this post I was unaware of the best practice. So please go with the recommended solution and not this one for now.

huthifa
April 26, 2015 at 10:39 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-11999)

hi,
your code is perfect,
but i need the notification to repeat every day,
how can i make it

Karan Balkar (http://karanbalkar.com)
April 27, 2015 at 8:11 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12002)

Hi,

You just need to register a alarm for that. It is easy to implement and requires little modification. Please see this (http://stackoverflow.com/questions/12125537/everyday-notifications-at-certain-time).

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=12002#RESPOND)

Kanta Paul
May 6, 2015 at 8:41 am (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12017)

Thanks for this code admin

Now I made a calender notification app and this app notify me only selected dates and times, but I use your code, but my problem is I don't set this code many days and time and another another notification message from notification manager.Please help me….

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=12017#RESPOND)

Nayana
May 12, 2015 at 10:15 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12036)

Hi,
Thanks a lot for the article!! This has been very helpful.
I am new to android, and i have one doubt on this topic.
Suppose if i have a scenario that alarm should buzz if i am in a particular place can that be done using alarm time to current time when the condition is true

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=12036#RESPOND)

Karan Balkar (http://karanbalkar.com)
May 14, 2015 at 8:03 am (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12040)

Yes it can be done. You also need to use the location API in that case.

siva
May 20, 2015 at 1:10 am (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12065)

I tried to put a toast in a java class under util which i called from receiver but still i get the toast repeatly when i launch irrespective of the time i have mentioned.

Anjana
June 21, 2015 at 8:27 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12156)

Hi Karan,
I tried implementing your code but I am not getting any notifications..

Karan Balkar (http://karanbalkar.com)
June 22, 2015 at 9:59 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12160)

Hi,

Are you getting any errors? Can you please post your logcat details?

Nikk

June 24, 2015 at 4:42 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12166)

Sir,I tried to implement this code in android
studio but it doesn't show me any
notification .no errors in the project.thanks

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12166#RESPOND)**

**Karan Balkar
(http://karanbalkar.com)**
June 24, 2015 at 8:39 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
12168)

Hi,

I will check this today and reply
back. Please send me your code at
admin@karanbalkar.com
(mailto:admin@karanbalkar.com)

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12168#RESPOND)**

Rudresh Ajgaonkar
June 26, 2015 at 2:43 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12172)

Hello Karan, I am trying to implement the
code mentioned in which the alarm is getting
invoked at correct times but the problem is i
have an array in which i have list of
bithdays. i need to pass parameters with
intent that is passed to alarm manager. But
its Showing only the first element for all
notifications. i have used Broadcast reciever.
I had tried using service, but i cannot pass
parameters from intent to service. Please
help. I am an Android newbie

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12172#RESPOND)**

Farshad
June 30, 2015 at 5:03 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12178)

Hi Dear Karan

Thanks for your great tutorial

I use 6 Edittext (for year & month & …) and one button to set my desire date instead of using static values for calendar.

I want to set multiple reminder using my app; But when I click on button, just notification appears for last input date.

Please give me suggestion to solve it

Best Regards

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=12178#RESPOND)

Karan Balkar (http://karanbalkar.com)
June 30, 2015 at 10:08 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12180)

Hi,

Can you first try using only one EditText and button to set the date and see if the notification is appearing. You can download the updated source code from the link in the post and let me know.

REPLY (HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-41-USING-ALARMMANAGER-AND-BROADCASTRECEIVER-IN-ANDROID/?REPLYTOCOM=12180#RESPOND)

Farshad
015 at 2:47 am (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12181)

Dear Karan

I've used your updated source code.
And this is my onClick method:

year = Integer.parseInt (edtYear.getText ().toString());
.
.
.

```
second = Integer.parseInt
(edtSecond.getText
().toString());

Calendar c =
Calndar.getInstance();
c.set(Calendar.YEAR,
year);
.
.
.
c.set(Calendar.SECOND,
second);

Intent myIntent = new
Intent
(MyActivity.this,MyReceiver.class);

pendingIntent =
PendingIntent.getBroadcast
(MyActivity.this, 0,
myIntent, 0);

AlarmManager
alarmManager =
(AlarmManager)
getSystemService
(ALARM_SERVICE);

alarmManager.set
(AlarmManager.RTC,
c.getTimeInMills(),
pendingIntent);
```

————————-

When I fill out Edittexts
(for example 5 mins later)
and press button,
reminder will set for 5mins
later.

Again I fill out EditTexts(
for example for 10mins
later) and press button,
reminder will set for new
values (10mins later).

Notification will show
10mins later instead of
show on 5mins and
10mins later.

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12181#RESPOND)**

**Karan Balkar
(http://karanbalkar.com)**
July 2, 2015 at 10:03 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
12184)

Hi,

Please send me
the complete
source code at
admin@karanbalkar.com
(mailto:admin@karanbalkar.com).
I will try the
same at my end.

Krishna
July 23, 2015 at 9:58 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12212)

hi karan….please can you help me i want
daily reminder at a paticular time i.e like
evry day at 11:30am i want reminder like
popup dailog in that two buttons snooze and
dismiss ..and also weekly reminder

surani
July 31, 2015 at 2:12 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12226)

Fabulous tips thanks..
if you want to know more about android-
basic-tutorial-get-current-date then goto this
link.

http://exandroidstudio.blogspot.in/2015/02/android-
basic-tutorial-get-current-date.html
(http://exandroidstudio.blogspot.in/2015/02/android-
basic-tutorial-get-current-date.html)

Walker
August 10, 2015 at 9:09 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12244)

How do i implement multiple alarm using
pending intent?

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12244#RESPOND)**

Kaecy
August 10, 2015 at 10:05 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12246)

Hey Karan, thanks for sharing your codes. I
have a qns, what if I have many events and
each event needs a notification at different
day and time?

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12246#RESPOND)**

Vojtech
September 10, 2015 at 7:59 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12301)

Hi Karan. Thank you very much for your
tutorial. Notifications work, but I nedd they
work also after reebot the device. Now it
doesn't. I tried to follow this training
https://developer.android.com/training/scheduling/alarms.html#boot
(https://developer.android.com/training/scheduling/alarms.html#boot)
but notification shows immediately after
reebot – not in the planned time.

I have defined alarmCalendar (Calendar) and
this is tho notification code:
Intent myIntent = new Intent
(MainActivity.this, MyReceiver.class);
pendingIntent = PendingIntent.getBroadcast
(MainActivity.this, 0, myIntent, 0);

AlarmManager alarmManager =
(AlarmManager)getSystemService
(ALARM_SERVICE);
alarmManager.set(AlarmManager.RTC,
alarmCalendar.getTimeInMillis(),
pendingIntent);

MyReceiver.class and Utils.java is similar to
yours.

Than I added into manifest

and into receiver:

Do you know what could be the problem?
Thank you very much for your response.

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-**

BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12301#RESPOND)

**Karan Balkar
(http://karanbalkar.com)**
September 12, 2015 at 5:12 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
12304)

Hi,

Did you try using the updated code?
Are you facing this issue with the
updated code? If possible please
post your Logcat details.

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12304#RESPOND)

Nandhini
September 27, 2015 at 4:01 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12336)

Hi..
I want to display notification on dates
available in database(i.e) database will 've
date column and app should generate alarm
notification on those dates..is it possible with
above code..

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12336#RESPOND)

**Karan Balkar
(http://karanbalkar.com)**
September 27, 2015 at 5:45 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
12337)

Yes it is possible. You can use the
built-in SQLite database for
implementing the same.

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12337#RESPOND)

esayed
September 29, 2015 at 4:04 am
(http://karanbalkar.com/2013/07/tutorial-41-

using-alarmmanager-and-broadcastreceiver-in-android/#comment-12341)

Hello Houdrtk I used the code Bs media does not appear to me at the bar Bs do not know why AT friendlier
logcat
android source close
D/FFmpegExtractor? SniffFFMPEG failed to sniff this source

MediaPlayer? Should have subtitle controller already set
W/EGL_genymotion? eglSurfaceAttrib not implemented
09-28 18:19:27.309 520-534/?
I/ActivityManager? Displayed com.mohamed.elsayed.azkardifferent/elsayed.mohamed.com.azkardifferent.Alarm_settings: +657ms
D/Genyd? Received Set Clipboard
D/Genymotion? Received Set Clipboard
I/ProcessStatsService? Prepared write state in 2ms
I/ProcessStatsService? Pruning old procstats: /data/system/procstats/state-2015-09-25-19-20-41.bin
D/dalvikvm? GC_CONCURRENT freed 1092K, 24% free 7963K/10436K, paused 5ms+4ms, total 39ms
09-28 18:24:00.001 520-520/?
I/ActivityManager? Killing 1134:com.android.email/u0a29 (adj 15): empty for 1848s
09-28 18:24:00.001 520-520/?
I/ActivityManager? Killing 668:com.android.settings/1000 (adj 15): empty for 1853s
09-28 18:24:00.005 520-520/?
I/ActivityManager? Killing 1155:com.android.exchange/u0a30 (adj 15): empty for 1853s
09-28 18:25:00.028 520-520/?
I/ActivityManager? Killing 1110:com.android.calendar/u0a21 (adj 15): empty for 1832s
09-28 18:25:00.028 520-520/?
I/ActivityManager? Killing 955:com.android.mms/u0a9 (adj 15): empty for 1832s
09-28 18:25:00.028 520-520/?
I/ActivityManager? Killing 851:android.process.media/u0a5 (adj 15): empty for 1832s
09-28 18:25:00.068 520-696/?
D/CountryDetector? No listener is left
09-28 18:26:01.592 75-75/? D/Genyd?
Received Set Clipboard
09-28 18:26:01.592 75-75/? D/Genymotion?
Received Set Clipboard
09-28 18:27:11.595 75-75/? D/Genyd?
Received Set Clipboard
09-28 18:27:11.595 75-75/? D/Genymotion?
Received Set Clipboard
09-28 18:27:33.458 75-75/? D/Genyd?
Received Set Clipboard
09-28 18:27:33.458 75-75/? D/Genymotion?
Received Set Clipboard
09-28 18:28:16.494 75-75/? D/Genyd?
Received Set Clipboard
09-28 18:28:16.494 75-75/? D/Genymotion?
Received Set Clipboard

09-28 18:28:17.882 682-685/? D/dalvikvm?
GC_CONCURRENT freed 464K, 17% free
3560K/4252K, paused 1ms+1ms, total 10ms
09-28 18:28:44.986 654-657/? D/dalvikvm?
GC_CONCURRENT freed 317K, 12% free
3259K/3688K, paused 2ms+0ms, total 10ms
09-28 18:30:01.021 520-565/?
D/MobileDataStateTracker? default:
setPolicyDataEnable(enabled=true)
09-28 18:30:07.081 75-75/? D/Genyd?
Received Set Clipboard
09-28 18:30:07.081 75-75/? D/Genymotion?
Received Set Clipboard
09-28 18:30:26.580 520-565/?
D/ConnectivityService? Sampling interval
elapsed, updating statistics ..
09-28 18:30:26.580 520-565/?
D/ConnectivityService? Done.
09-28 18:30:26.580 520-565/?
D/ConnectivityService? Setting timer for
720seconds
D/Genyd? Received Set Clipboard
Genymotion?
Received Set Clipboard
Set Clipboard
Received Set Clipboard

**REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12341#RESPOND)**

esayed
September 29, 2015 at 10:15 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12342)

Hello
I wrote code in the project back problem in
the non-appearance notification
logcat
Enabling debug mode 0
09-29 00:38:54.785 2213-2231/?
W/EGL_emulation? eglSurfaceAttrib not
implemented
09-29 00:38:54.785 2213-2231/?
W/OpenGLRenderer? Failed to set
EGL_SWAP_BEHAVIOR on surface
0xaf0356e0, error=EGL_SUCCESS
09-29 00:38:55.256 2213-2213/?
I/Choreographer? Skipped 51 frames! The
application may be doing too much work on
its main thread.
09-29 00:38:55.745 950-979/?
I/ActivityManager? Displayed
com.mohamed.elsayed.azkardifferent/elsayed.mohamed.com.azkardifferent.MainActivity:
+1s770ms
09-29 00:38:56.120 950-1329/?
I/ActivityManager? Killing
1817:com.android.managedprovisioning/u0a7
(adj 15): empty #17
09-29 00:38:56.988 950-1329/?
I/ActivityManager? START u0
{cmp=com.mohamed.elsayed.azkardifferent/elsayed.mohamed.com.azkardifferent.azkary}
from uid 10064 on display 0
09-29 00:38:56.991 950-1329/?
V/WindowManager? addAppToken:
AppWindowToken{3cbcee1f token=Token

{7ff0dbe ActivityRecord{18037c79 u0
com.mohamed.elsayed.azkardifferent/elsayed.mohamed.com.azkardifferent.azkary
t54}}} to stack=1 task=54 at 1
09-29 00:38:56.993 950-1117/?
W/AudioTrack? AUDIO_OUTPUT_FLAG_FAST
denied by client
09-29 00:38:57.030 950-969/?
V/WindowManager? Adding window Window
{12366735 u0
com.mohamed.elsayed.azkardifferent/elsayed.mohamed.com.azkardifferent.azkary}
at 3 of 8 (after Window{27930127 u0
com.mohamed.elsayed.azkardifferent/elsayed.mohamed.com.azkardifferent.MainActivity})
09-29 00:38:57.117 2213-2231/?
W/EGL_emulation? eglSurfaceAttrib not
implemented
09-29 00:38:57.117 2213-2231/?
W/OpenGLRenderer? Failed to set
EGL_SWAP_BEHAVIOR on surface
0xb43d9680, error=EGL_SUCCESS
09-29 00:38:57.562 950-979/?
I/ActivityManager? Displayed
com.mohamed.elsayed.azkardifferent/elsayed.mohamed.com.azkardifferent.azkary:
+561ms
09-29 00:38:57.979 950-1136/?
D/TaskPersister? removeObsoleteFile:
deleting file=47_task.xml
09-29 00:38:57.979 950-1136/?
D/TaskPersister? removeObsoleteFile:
deleting file=47_task_thumbnail.png
09-29 00:44:02.898 83-83/? D/Genyd?
Received Set Clipboard
09-29 00:44:02.898 83-83/? D/Genymotion?
Received Set Clipboard
09-29 00:44:37.403 83-83/? D/Genyd?
Received Set Clipboard
09-29 00:44:37.403 83-83/? D/Genymotion?
Received Set Clipboard
09-29 00:44:40.663 83-83/? D/Genyd?
Received Set Clipboard
09-29 00:44:40.664 83-83/? D/Genymotion?
Received Set Clipboard

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kapil
October 6, 2015 at 11:00 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12354)

hello….
i want to display a notification on every day
at particular time ..lets say 2:30pm. i tried
the above code but i am finding continousoly
notification when i click the app ……..so
please give me answer……..i have used utill
class also…

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REPLYTOCOM=12354#RESPOND)**

Karan Balkar (http://karanbalkar.com)
October 6, 2015 at 10:03 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12358)

Hi Kapil,

That's a bit strange. The updated source code should fix the issue. I will try it once again at my end and post a solution for the same.

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kapil
October 7, 2015 at 3:02 pm (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12359)

Hi karan,

alarm is ringing at the fix time when i give hard coded time and alarm manager set them at correct time and alarm ring well…… but when i launch/click on app after some time then notification open just because alarm set in on create method…..and then alarm manager do not take previous hardcoded time …..i seems that it take system current time………. pls give me solution

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kapil
October 9, 2015 at 11:32 am (http://karanbalkar.com/2013/07/tutorial-41-using-alarmmanager-and-broadcastreceiver-in-android/#comment-12366)

In my application, there's a alarm service, and I find that if user change it's date or time to a passed time. My alarm will not be triggered at the time I expect.

So, I may have to reset all the alarms again. Is there an date and time change listener in android?

if i used…….

if user change date or time in phone, then alarm is not ringing at fix time …alarm rings immediately…………

please give solution………

victor
November 7, 2015 at 5:24 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12403)

Hi I just tried your application (used the
latest version in github) and the Receiver
class doesn't seem to get called. I got a
notification the first time I ran the
application, but afterwards, I don't receive
any more notifications. I tried adding logs
and it seems that the OnReceive in the
Receiver class is never called. Any clues to
why?

**Karan Balkar
(http://karanbalkar.com)**
November 8, 2015 at 6:24 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
12404)

Hi Victor,

I will check this at my end and let
you know asap. Do you get any
errors in the logcat?

Syed Hyder Ali
November 10, 2015 at 7:39 pm
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12411)

Hi Karan Balkar Sir,

I create an interval alarm which is working
good but alarm is ringing for 1st time only
but in the service and data base it is
updating the alarm for every one minute if I
can get solution please help me.

41-USING-ALARMMANAGER-AND-
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REPLYTOCOM=12411#RESPOND)

Raghav
November 16, 2015 at 12:36 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12416)

Hi! I have a doubt.. Suppose I set the time
to be 8:20 am. Now, the notification is
displayed at this time.
Now everytime I open the app after 8:20
am, the notification is displayed.
I guess this is because the activity is created
again.
How can I make sure that the notification is
generated only once a day and not
everytime I open the app.?

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12416#RESPOND)

**Karan Balkar
(http://karanbalkar.com)**
November 17, 2015 at 10:25 pm
(http://karanbalkar.com/2013/07/tutorial-
41-using-alarmmanager-and-
broadcastreceiver-in-android/#comment-
12419)

Currently, I am working on fixing
that issue. I will update the post
when I get a proper solution.

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12419#RESPOND)

Sofia
November 18, 2015 at 8:48 am
(http://karanbalkar.com/2013/07/tutorial-41-
using-alarmmanager-and-broadcastreceiver-
in-android/#comment-12420)

Hello Karan!

Is it possible to enter an alarm outside of the
application. That is, is there a way for the
user to set his own alarms and for the
broadcastreciever to receive them as well? Is
it a general/built-in function for alarms or is
it just possible to decide your own time
within the function?

REPLY
(HTTP://KARANBALKAR.COM/2013/07/TUTORIAL-
41-USING-ALARMMANAGER-AND-
BROADCASTRECEIVER-IN-ANDROID/?
REPLYTOCOM=12420#RESPOND)

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