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| **안드로이드 시작 프로그램 만들기** http://blogimgs.naver.net/imgs/nblog/spc.gif [Android](http://blog.naver.com/PostList.nhn?blogId=skycham&categoryNo=45&from=postList&parentCategoryNo=45) http://blogimgs.naver.net/imgs/nblog/spc.gif  2012/04/17 11:55  복사<http://blog.naver.com/skycham/100156092886>  [전용뷰어](http://blog.naver.com/) |

출처 :[http://arsviator.blogspot.com/2010/08/%EC%95%88%EB%93%9C%EB%A1%9C%EC%9D%B4%EB%93%9C-%EC%84%9C%EB%B9%84%EC%8A%A4%EB%A5%BC-%EB%B6%80%ED%8C%85%EC%8B%9C-%EC%8B%9C%EC%9E%91%EC%8B%9C%ED%82%A4%EA%B8%B0-start-service-at.html](http://arsviator.blogspot.com/2010/08/%EC%95%88%EB%93%9C%EB%A1%9C%EC%9D%B4%EB%93%9C-%EC%84%9C%EB%B9%84%EC%8A%A4%EB%A5%BC-%EB%B6%80%ED%8C%85%EC%8B%9C-%EC%8B%9C%EC%9E%91%EC%8B%9C%ED%82%A4%EA%B8%B0-start-service-at.html" \t "_blank)

안드로이드 폰은 부팅이 끝나면 액션이 'android.intent.action.BOOT\_COMPLETED'인 인텐트를 브로드캐스트 한다. 그러므로 이 인텐트 브로트캐스트를 받을 수 있는 BroadcastReceiver가 필요하다.

public class ***GPSLoggerServiceManager*** extends BroadcastReceiver {  
  @Override  
  public void onReceive(Context ctx, Intent intent) {  
   if (intent.getAction().equals("android.intent.action.BOOT\_COMPLETED")) {  
     ComponentName cName = new ComponentName(ctx.getPackageName(), ***GPSLogger***);  
     ComponentName svcName = ctx.startService(new Intent().setComponent(cName);  
     if (svc == null) {  
       Log.e(TAG, "Could not start service " + cName.toString());  
     }  
   } else {  
     Log.e(TAG, "Received unexpected intent " + intent.toString());  
   }  
  }  
}

여기서 가장 핵심은 onReceive() 메소드이다. 원하는 인텐트가 브로드캐스트 되면 onReceive() 메소드가 호출된다.   
  
그리고 리시버는 manifest 파일에 선언되어 있어야 한다.

<receiver android:name=".***LocationLoggerServiceManager***"  
   android:enabled="true"  
   android:exported="false"  
   android:label="LocationLoggerServiceManager" >  
  <intent-filter>  
   <action android:name="android.intent.action.BOOT\_COMPLETED" />  
  </intent-filter>  
</receiver>

또한 이 클래스는 보안 설정에 선언할 필요가 있는 특정 이벤트 브로드캐스트를 들어야 하기 때문에 manifest 파일에 RECEIVE\_BOOT\_COMPLETED 퍼미션이 있어야 한다.

<uses-permission android:name="android.permission.RECEIVE\_BOOT\_COMPLETED" />

위와 같이 추가해주면 부팅이 끝나고 서비스가 자동으로 실행되게 된다.   
  
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\* 리플을 보고 좀 더 이해하기 쉽게 전체적인 코드의 프레임웍을 첨부한다.

**/src/.../BootSvc.java**

package app.arsviator;  
...  
public class BootSvc extends Service {  
  @Override  
  public IBinder onBind(Intent intent) {  
    return null;  
  }  
      
  @Override  
  public void onCreate() {  
    super.onCreate();  
          
    Log.i("BOOTSVC", "Service started at the BOOT\_COMPLETED.");  
  }  
}

**/src/.../BRcvr.java**

package app.arsviator;  
...  
public class BRcvr extends BroadcastReceiver {  
  @Override  
  public void onReceive(Context context, Intent intent) {      
    if (intent.getAction().equals("android.intent.action.BOOT\_COMPLETED")) {  
      Log.i("BOOTSVC", "Intent received");      
  
      ComponentName cn = new ComponentName(context.getPackageName(), BootSvc.class.getName());  
      ComponentName svcName = context.startService(new Intent().setComponent(cn));  
      if (svcName == null)   
        Log.e("BOOTSVC", "Could not start service " + cn.toString());  
    }  
  }  
}

**AndroidManifest.xml**

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="<http://schemas.android.com/apk/res/android>"  
      package="app.nautes"  
      android:versionCode="1"  
      android:versionName="1.0">  
    <application android:icon="@drawable/icon" android:label="@string/app\_name">  
      <service android:name="BootSvc"></service>  
      <receiver android:name=".BRcvr"  
         android:enabled="true"  
         android:exported="false"  
         android:label="Broadcast Receiver" >  
        <intent-filter>  
          <action android:name="android.intent.action.BOOT\_COMPLETED" />  
        </intent-filter>  
      </receiver>  
    </application>  
</manifest>

이 프로그램을 에뮬레이터에 설치한 다음 에뮬레이터를 종료했다가 AVD Manager에서 다시 시작시키고 부팅이 끝난 다음 logcat을 보면 다음과 같다.

09-07 09:31:30.631: INFO/SurfaceFlinger(52): Boot is finished (22889 ms)  
09-07 09:31:30.661: INFO/ARMAssembler(52): generated scanline\_\_00000177:03515104\_00000A01\_00000000 [ 55 ipp] (79 ins) at [0x481508:0x481644] in 5894000 ns  
09-07 09:31:30.750: INFO/ActivityManager(52): Start proc com.android.email for broadcast com.android.email/com.android.exchange.BootReceiver: pid=165 uid=10008 gids={3003, 1015}  
09-07 09:31:30.860: DEBUG/HomeLoaders(105):   ----> items cloned, ready to refresh UI  
09-07 09:31:31.230: DEBUG/ddm-heap(165): Got feature list request  
09-07 09:31:32.790: DEBUG/dalvikvm(52): GC freed 14273 objects / 744904 bytes in 444ms  
09-07 09:31:33.130: INFO/ActivityThread(165): Publishing provider com.android.email.provider: com.android.email.provider.EmailProvider  
09-07 09:31:33.191: INFO/ActivityThread(165): Publishing provider com.android.email.attachmentprovider: com.android.email.provider.AttachmentProvider  
**09-07 09:31:33.300: DEBUG/Exchange(165): BootReceiver onReceive**09-07 09:31:33.360: DEBUG/EAS SyncManager(165): !!! EAS SyncManager, onCreate  
09-07 09:31:33.430: INFO/ActivityManager(52): Start proc com.android.mms for broadcast com.android.mms/.transaction.MmsSystemEventReceiver: pid=176 uid=10013 gids={3003, 1015}  
09-07 09:31:33.730: DEBUG/ddm-heap(176): Got feature list request  
09-07 09:31:33.810: DEBUG/EAS SyncManager(165): !!! EAS SyncManager, onStartCommand  
09-07 09:31:33.870: DEBUG/EAS SyncManager(165): !!! EAS SyncManager, stopping self  
09-07 09:31:33.930: DEBUG/Eas Debug(165): Logging:   
09-07 09:31:34.031: DEBUG/EAS SyncManager(165): !!! EAS SyncManager, onDestroy  
09-07 09:31:34.410: DEBUG/MediaScannerService(149): start scanning volume internal  
**09-07 09:31:35.750: INFO/ActivityManager(52): Start proc app.nautes for broadcast app.nautes/.BRcvr: pid=195 uid=10078 gids={1015}**09-07 09:31:36.280: DEBUG/ddm-heap(195): Got feature list request  
09-07 09:31:36.290: DEBUG/dalvikvm(29): GC freed 280 objects / 10704 bytes in 526ms  
09-07 09:31:36.590: DEBUG/dalvikvm(29): GC freed 50 objects / 2224 bytes in 224ms  
**09-07 09:31:36.650: INFO/BOOTSVC(195): Intent received  
09-07 09:31:36.740: INFO/BOOTSVC(195): Service started at the BOOT\_COMPLETED.**09-07 09:31:36.770: DEBUG/dalvikvm(29): GC freed 2 objects / 48 bytes in 174ms  
09-07 09:31:37.931: DEBUG/dalvikvm(105): GC freed 4158 objects / 281904 bytes in 199ms  
09-07 09:31:38.360: DEBUG/MediaScanner(149): opendir /system/media/ failed, errno: 2  
09-07 09:31:38.360: DEBUG/MediaScanner(149):  prescan time: 1474ms  
09-07 09:31:38.360: DEBUG/MediaScanner(149):     scan time: 55ms  
09-07 09:31:38.360: DEBUG/MediaScanner(149): postscan time: 1ms  
09-07 09:31:38.360: DEBUG/MediaScanner(149):    total time: 1530ms  
09-07 09:31:38.390: DEBUG/MediaScannerService(149): done scanning volume internal  
09-07 09:31:39.180: DEBUG/dalvikvm(105): GC freed 3308 objects / 168792 bytes in 169ms

로그를 보면 부팅이 끝난 다음 서비스가 시작된걸 확인할 수 있다.

출처 :[http://arsviator.blogspot.com/2010/08/%EC%95%88%EB%93%9C%EB%A1%9C%EC%9D%B4%EB%93%9C-%EC%84%9C%EB%B9%84%EC%8A%A4%EB%A5%BC-%EB%B6%80%ED%8C%85%EC%8B%9C-%EC%8B%9C%EC%9E%91%EC%8B%9C%ED%82%A4%EA%B8%B0-start-service-at.html](http://arsviator.blogspot.com/2010/08/%EC%95%88%EB%93%9C%EB%A1%9C%EC%9D%B4%EB%93%9C-%EC%84%9C%EB%B9%84%EC%8A%A4%EB%A5%BC-%EB%B6%80%ED%8C%85%EC%8B%9C-%EC%8B%9C%EC%9E%91%EC%8B%9C%ED%82%A4%EA%B8%B0-start-service-at.html" \t "_blank)﻿﻿

출처 : <http://www.androidpub.com/8739>

참고로 저와 같은 고민을 하고 계시는 분은 이걸 참조 하세요 ^^;  
1.when the OS starts, it will send a Standard Broadcast Action named android.intent.action.BOOT\_COMPLETED.   
  
2.construct a class extended from IntentReceiver to catch the action, and override its abstract method onReceiveIntent(Context context, Intent intent), where you can put your start service code in.   
  
3.in AndroidManifest.xml, you should add tag   
  
<uses-permission android:name="android.permission.RECEIVE\_BOOT\_COMPLETED"></uses-permission>   
to get the permission of android.intent.action.BOOT\_COMPLETED.  
 In additon, you should add tag   
  
<action android:name="android.intent.action.BOOT\_COMPLETED" />  
 in the <intent-filter> of your IntentReceiver class.   
  
code example:   
xml：

|  |
| --- |
| **Code:** |
| <uses-permission android:name="android.permission.RECEIVE\_BOOT\_COMPLETED"></uses-permission>  <receiver android:name=".OlympicsReceiver" android:label="@string/app\_name">      <intent-filter>         <action android:name="android.intent.action.BOOT\_COMPLETED" />         <category android:name="android.intent.category.LAUNCHER" />      </intent-filter>  </receiver> |

java：

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| --- |
| **Code:** |
| public class OlympicsReceiver extends IntentReceiver  {      /\* the intent source\*/      static final String ACTION = "android.intent.action.BOOT\_COMPLETED";               public void onReceiveIntent(Context context, Intent intent)      {          if (intent.getAction().equals(ACTION))          {                    context.startService(new Intent(context, OlympicsService.class), null);  //start my your service here               Toast.makeText(context, "OlympicsReminder service has started!", Toast.LENGTH\_LONG).show();          }      }  }    출처 : <http://www.androidpub.com/8739> |

**[출처]** [안드로이드 시작 프로그램 만들기](http://blog.naver.com/skycham/100156092886)|**작성자** [여리mE](http://blog.naver.com/skycham)