

5G智能物联网

基站定位工程实例

广和通大学计划项目组

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基站定位开发步骤

基站定位开发步骤

1

• 布局界面-----activity_main文件下

2

• 获取权限-----网络权限和位置权限

3

• 获取基站信息-----通过TelephonyManager API

4

• 获取经纬度及地理位置信息-----使用LBS数据仓库免费资源

5

• 将信息显示到界面上

<http://www.cellocation.com/interfac/>

2

基站定位工程代码详解

基站定位工程代码详解

工程源代码链接: https://bbs.elecfans.com/jishu_2344443_1_1.html

The screenshot displays the Android Studio IDE interface. The main editor shows the XML layout code for `activity_main.xml`. The code defines a `ConstraintLayout` containing a `TextView` and a `Button`.

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textview_first"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="点击查询按钮获取基站位置信息"
        android:top="100dp"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/button_first"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/textview_first"
        android:layout_marginTop="38dp"
        android:text="查询" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

The right-hand side of the IDE shows a visual preview of the layout. It features a white background with a purple button labeled "查询" (Search) positioned below a text view that contains the text "点击查询按钮获取基站位置信息" (Click the search button to get the base station location information).

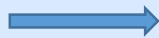
The bottom status bar indicates the current time is 12:45, the encoding is UTF-8, and there are 4 spaces. A message at the bottom left states "Failed to start monitoring 3c9937fc (17 minutes ago)".

3

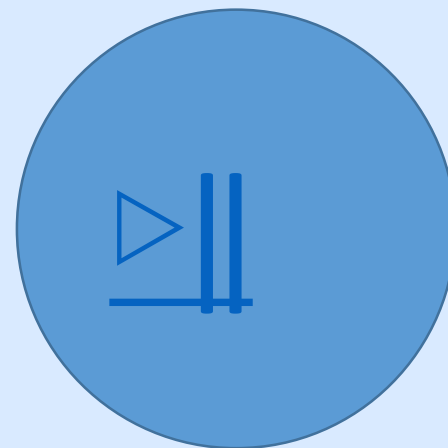
基站定位工程运行演示

基站定位工程运行演示

演示效果



演示视频



完美无线体验

广和通致力于将可靠、便捷、安全、智能的无线通信解决方案普及至每一个物联网应用场景，为用户带来完美无线体验，丰富智慧生活。

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