Demo52-前台服务和IntentService

1. 使用前台服务的场景
2. Service默认是运行在后台的，不想因系统内存不足回收后台任务，可转为前台Service，因为垃圾回收是分优先级别的
3. 功能需求要求应用的服务一直在系统状态栏显示，例如天气APP，这是功能需求决定的

在Service的onCreate()里面：

//构造Intent对象---》构造PendingIntent对象---》构造Notification对象---》startForeground(id值,notification)

1. MyService.java

**import** android.app.Notification;  
**import** android.app.NotificationChannel;  
**import** android.app.NotificationManager;  
**import** android.app.PendingIntent;  
**import** android.app.Service;  
**import** android.content.Intent;  
**import** android.graphics.BitmapFactory;  
**import** android.graphics.Color;  
**import** android.os.Binder;  
**import** android.os.IBinder;  
**import** android.support.v4.app.NotificationCompat;  
**import** android.util.Log;  
**import** android.widget.Toast;  
  
**public class** MyService **extends** Service {  
  
 **public** MyService() {  
 }  
  
 @Override  
 **public void** onCreate() {  
 **super**.onCreate();  
 *//解决权限兼容的问题,8.0开始就需要这样* String CHANNEL\_ONE\_ID = **"com.primedu.cn"**;  
 String CHANNEL\_ONE\_NAME = **"Channel One"**;  
 NotificationChannel notificationChannel = **null**;  
 **if** (android.os.Build.VERSION.***SDK\_INT*** >= android.os.Build.VERSION\_CODES.***O***) {  
 notificationChannel = **new** NotificationChannel(CHANNEL\_ONE\_ID,  
 CHANNEL\_ONE\_NAME, NotificationManager.***IMPORTANCE\_HIGH***);  
 notificationChannel.enableLights(**true**);  
 notificationChannel.setLightColor(Color.***RED***);  
 notificationChannel.setShowBadge(**true**);  
 notificationChannel.setLockscreenVisibility(Notification.***VISIBILITY\_PUBLIC***);  
 NotificationManager manager = (NotificationManager) getSystemService(***NOTIFICATION\_SERVICE***);  
 manager.createNotificationChannel(notificationChannel);  
 }  
  
  
  
 Intent intent=**new** Intent(**this**,MainActivity.**class**);  
 PendingIntent pi=PendingIntent.*getActivity*(**this**,0,intent,0);  
 Notification notification=**new** NotificationCompat.Builder(**this**)  
 .setContentTitle(**"How are you?"**)  
 .setContentText(**"I am fine"**)  
 .setWhen(System.*currentTimeMillis*())  
 .setSmallIcon(R.mipmap.***ic\_launcher***)  
 .setLargeIcon(BitmapFactory.*decodeResource*(getResources(),R.mipmap.***ic\_launcher***))  
 .setContentIntent(pi)  
 .setChannelId(CHANNEL\_ONE\_ID)  
 .build();  
  
 startForeground(1,notification);  
 }  
  
 *//1.* **class** DownloadBinder **extends** Binder{  
  
 **public void** startDownload(){  
  
 Toast.*makeText*(MyService.**this**,**"开始下载"**,Toast.***LENGTH\_SHORT***).show();  
 Log.*d*(**"执行"**,**"开始下载"**);  
 }  
  
 **public void** getProgress(){  
  
 Toast.*makeText*(MyService.**this**,**"获取进度"**,Toast.***LENGTH\_SHORT***).show();  
 Log.*d*(**"执行"**,**"获取进度"**);  
 }  
 }  
  
 *//2.* **private** DownloadBinder **mDownloadBinder**=**new** DownloadBinder();  
 *//3.* @Override  
 **public** IBinder onBind(Intent intent) {  
 **return mDownloadBinder**;  
 }  
}

1. 在AndroidManifest.xml增加权限

<**uses-permission android:name="android.permission.FOREGROUND\_SERVICE"**/>

.setChannelId(CHANNEL\_ONE\_ID)  
**这一句不能漏，很重要，否则程序会奔溃**