

Screen capturing in Android 10 and newer

When building screen sharing application targeted to Android 10 (API level 29) and newer, it is [necessary](#) to launch a [foreground service](#) of type `ServiceInfo.FOREGROUND_SERVICE_TYPE_MEDIA_PROJECTION` before requesting permissions to capture screen.

```
private void startScreenCapture() {
    mMediaProjectionManager = (MediaProjectionManager) getSystemService(
        Context.MEDIA_PROJECTION_SERVICE);
    Intent permissionIntent = mMediaProjectionManager.createScreenCaptureIntent();
    startService(new Intent(StreamingMinActivity.this, TestService.class));
    startActivityForResult(permissionIntent, REQUEST_CODE_CAPTURE_PERM);
}
```

```
private void showNotification() {
    Intent notificationIntent = new Intent(this, StreamingMinActivity.class);
    notificationIntent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
    PendingIntent pendingIntent = PendingIntent.getActivity(this, 0, notificationIntent, 0);
    int iconId = R.mipmap.ic_launcher;
    int uniqueCode = new Random().nextInt(Integer.MAX_VALUE);
    Notification notification = new NotificationCompat.Builder(this)
        .setSmallIcon(iconId)
        .setContentText("Started stream")
        .setContentIntent(pendingIntent).build();
    startForeground(uniqueCode, notification, FOREGROUND_SERVICE_TYPE_MEDIA_PROJECTION);
}
```