Security

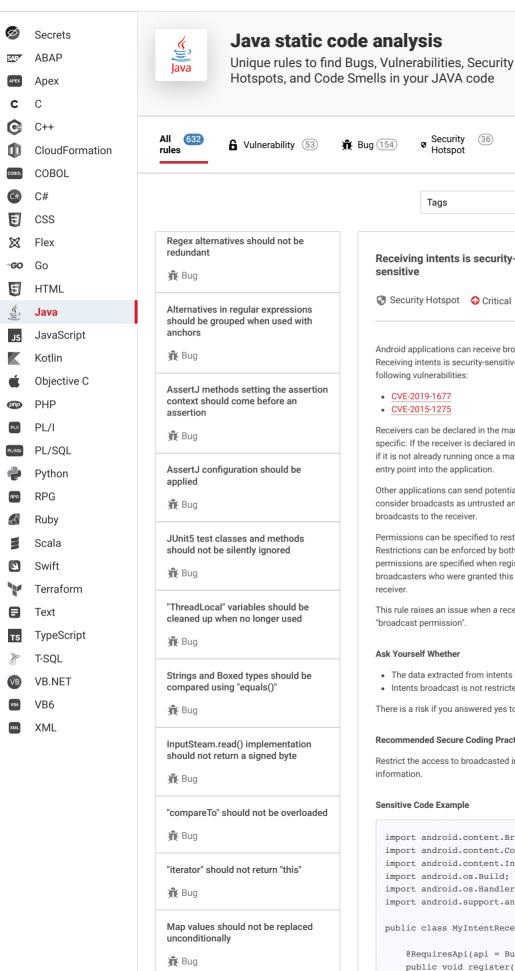
Hotspot

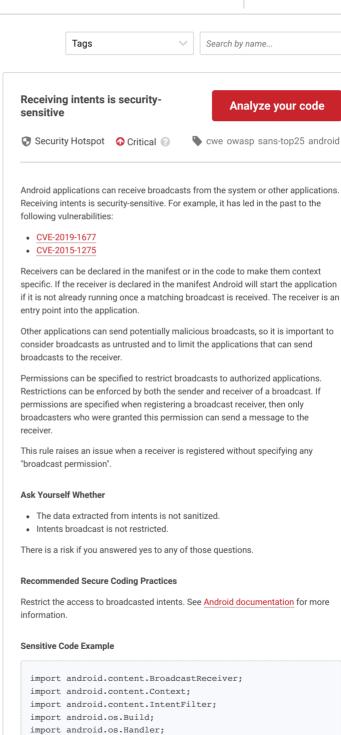
(36)



Products >

O Quick 42





import android.support.annotation.RequiresApi;

@RequiresApi(api = Build.VERSION_CODES.O)

public void register(Context context, BroadcastReceiver IntentFilter filter, String broadcastPermission,

Handler scheduler,

public class MyIntentReceiver {

⊗ Code

Smell

(389)

Week Year ("YYYY") should not be

used for date formatting



Exceptions should not be created without being thrown

👬 Bug

Collection sizes and array length comparisons should make sense

👬 Bug

Consumed Stream pipelines should not be reused

📆 Bug

Intermediate Stream methods should not be left unused

```
int flags) {
   context.registerReceiver(receiver, filter); // Sensi
   context.registerReceiver(receiver, filter, flags); /

   // Broadcasting intent with "null" for broadcastPerm
   context.registerReceiver(receiver, filter, null, sch
   context.registerReceiver(receiver, filter, null, sch
}
}
```

Compliant Solution

```
import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.IntentFilter;
import android.os.Build;
import android.os.Handler;
import android.support.annotation.RequiresApi;
public class MyIntentReceiver {
    @RequiresApi(api = Build.VERSION_CODES.O)
    public void register(Context context, BroadcastReceiver
                         IntentFilter filter.
                         String broadcastPermission,
                         Handler scheduler,
                         int flags) {
        context.registerReceiver(receiver, filter, broadcast
        context.registerReceiver(receiver, filter, broadcast
}
```

See

- Mobile AppSec Verification Standard Platform Interaction Requirements
- OWASP Mobile Top 10 2016 Category M1 Improper Platform Usage
- MITRE, CWE-925 Improper Verification of Intent by Broadcast Receiver
- MITRE, CWE-926 Improper Export of Android Application Components
- SANS Top 25 Insecure Interaction Between Components
- Android documentation Broadcast Overview Security considerations and best practices

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