

# 소켓 통신 -클라이언트-

ssosso.table

# 1. 초기 설정

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    package="com.example.socket_client">
    <uses-permission android:name="android.permission.INTERNET"/>
    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="Socket-Client"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.SocketClient"
        tools:targetApi="31"
        android:usesCleartextTraffic="true">
```

- Manifest 파일에
- user-permission
- usesCleartextTraffic추가

# 1. 초기설정



## Socket IO Client » 2.1.0

Socket.IO Client Library for Java

License	MIT
Tags	socket io client
HomePage	<a href="https://github.com/socketio/socket.io-client-java">https://github.com/socketio/socket.io-client-java</a>
Date	Jul 10, 2022
Files	<a href="#">pom (6 KB)</a> <a href="#">jar (64 KB)</a> <a href="#">View All</a>
Repositories	Central
Ranking	#1947 in MvnRepository (See Top Artifacts)
Used By	200 artifacts
Vulnerabilities	<b>Vulnerabilities from dependencies:</b> <a href="#">CVE-2020-15250</a>

[Maven](#) [Gradle](#) [Gradle \(Short\)](#) [Gradle \(Kotlin\)](#) [SBT](#) [Ivy](#) [Gradle](#)

```
// https://mvnrepository.com/artifact/io.socket/socket.io-client
implementation("io.socket:socket.io-client:2.1.0")
```



```
dependencies {
```

```
    implementation 'androidx.core:core-ktx:1.7.0'
    implementation 'androidx.appcompat:appcompat:1.5.0'
    implementation 'com.google.android.material:material:1.6.1'
    implementation 'androidx.constraintlayout:constraintlayout:2.1.4'
    testImplementation 'junit:junit:4.13.2'
    androidTestImplementation 'androidx.test.ext:junit:1.1.3'
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.4.0'
```

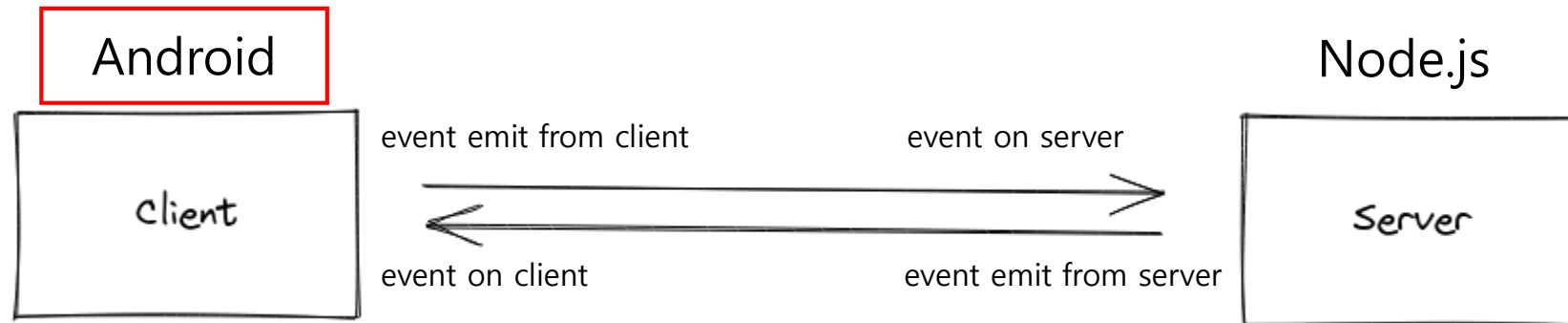
```
    // https://mvnrepository.com/artifact/io.socket/socket.io-client
    implementation("io.socket:socket.io-client:2.1.0")
}
```

Maven repo에서 gradle scrip를 얻은 후 Module수준 build.gradle의 의존성 항목에 추가

## 2. 구현

Socket.io의 안드로이드 공식 문서 참조 후 구현  
<https://socket.io/blog/native-socket-io-and-android/>

### 작동 방식



하나의 플랫폼이 event를 emit하면 상대 플랫폼은 해당 event를 on해서 처리한다