

Expert(통신API) 모바일 사용방법

단 계 :

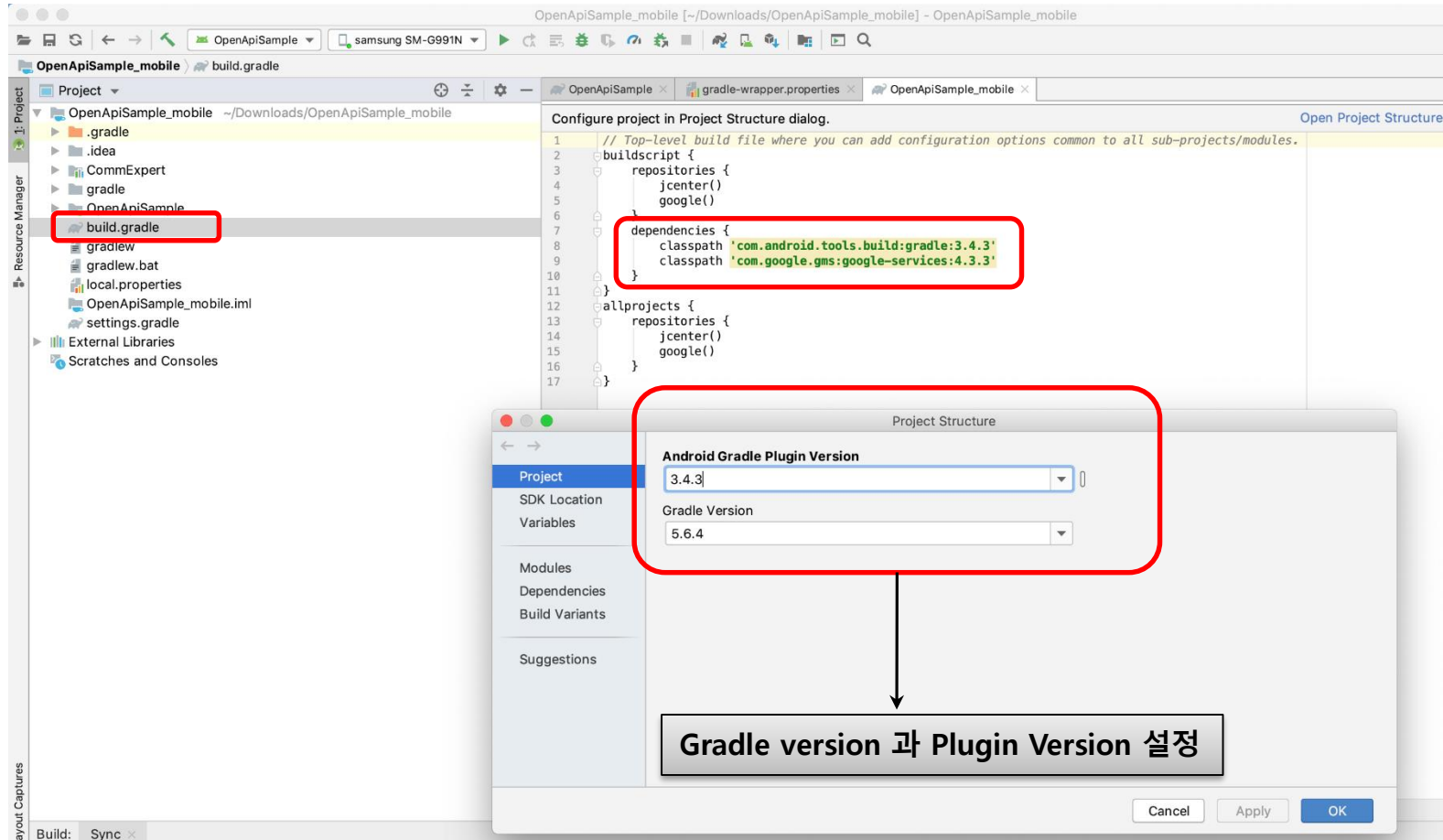
업무명 :

일 자 :

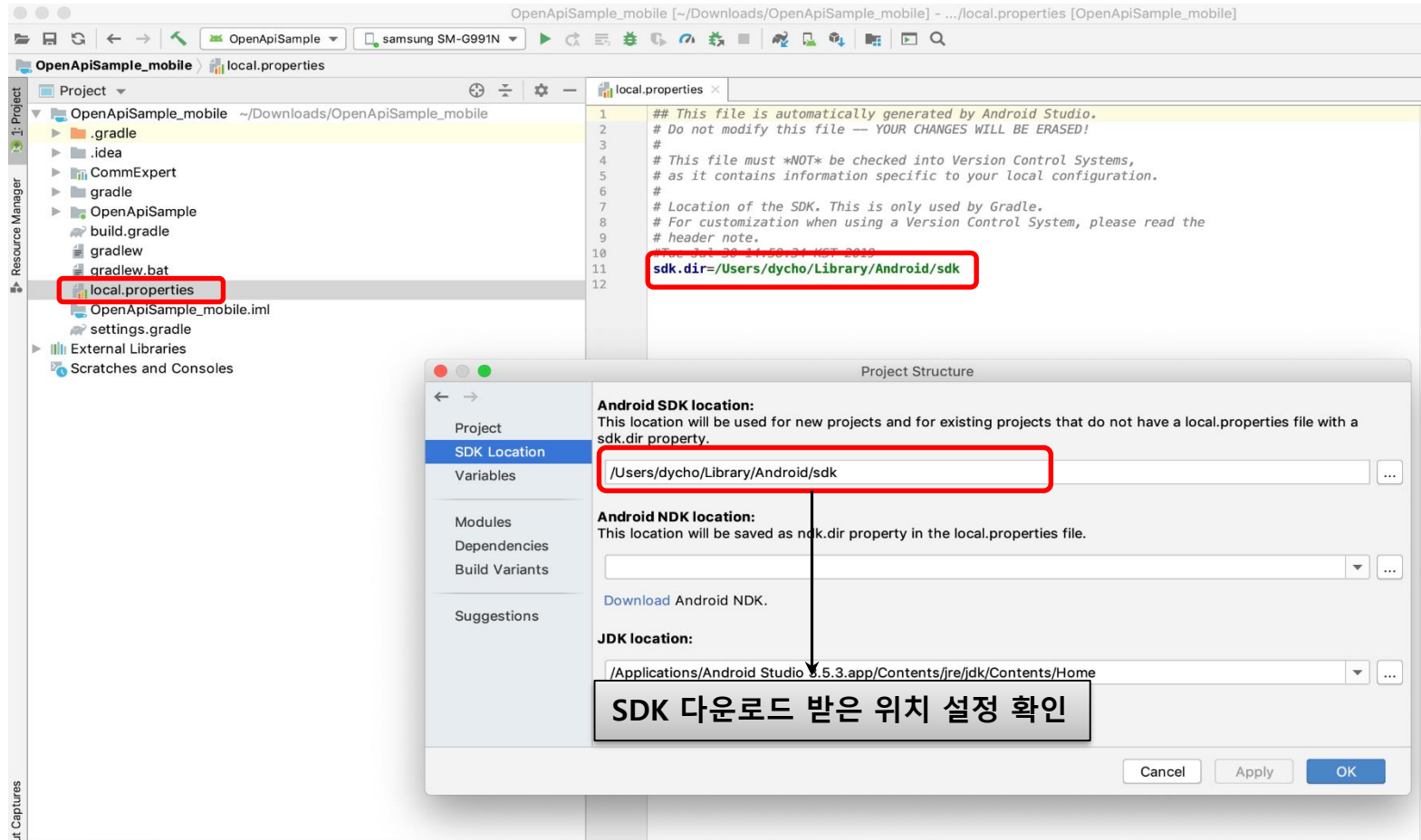
작성자 :

버전	제.개정일자	제.개정 내용	작성자	검토.승인 자
1.0	2015.10.30	최초 작성	박원범	
2.0	2019.08.09	Android Studio 환경 설정	조동영	
2.1	2021.03.02	Android Studio 환경 설정(수정)	조동영	

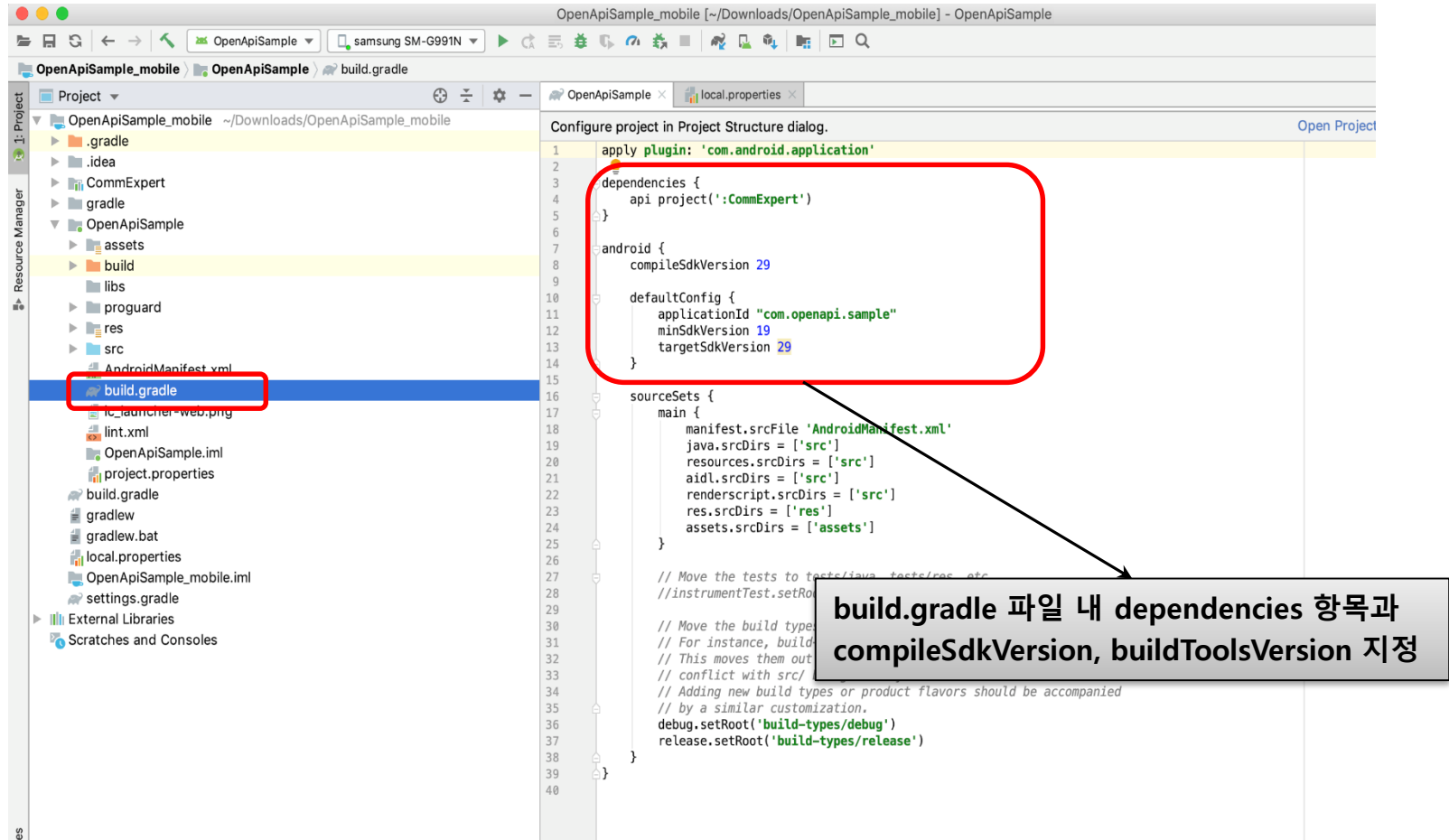
1) Android Studio > Open an existing Android Studio project 후



2) local.properties > Android SDK 위치 확인



3) OpenApiSample 패키지 build.gradle 설정



The screenshot shows the IDE interface for the OpenApiSample project. The Project view on the left shows the file structure, with the `build.gradle` file selected. The main editor displays the content of `build.gradle`. A red box highlights the `dependencies` and `android` blocks. A callout box points to the `dependencies` block with the following text:

build.gradle 파일 내 dependencies 항목과 compileSdkVersion, buildToolsVersion 지정

```
1 apply plugin: 'com.android.application'
2
3 dependencies {
4     api project(':CommExpert')
5 }
6
7 android {
8     compileSdkVersion 29
9
10    defaultConfig {
11        applicationId "com.openapi.sample"
12        minSdkVersion 19
13        targetSdkVersion 29
14    }
15
16    sourceSets {
17        main {
18            manifest.srcFile 'AndroidManifest.xml'
19            java.srcDirs = ['src']
20            resources.srcDirs = ['src']
21            aidl.srcDirs = ['src']
22            renderscript.srcDirs = ['src']
23            res.srcDirs = ['res']
24            assets.srcDirs = ['assets']
25        }
26
27        // Move the tests to test/java, tests/res, etc
28        //instrumentTest.setRoot('test')
29
30        // Move the build types to test/java, build-types/res, etc
31        // For instance, build
32        // This moves them out
33        // conflict with src/
34        // Adding new build types or product flavors should be accompanied
35        // by a similar customization.
36        debug.setRoot('build-types/debug')
37        release.setRoot('build-types/release')
38    }
39 }
40
```

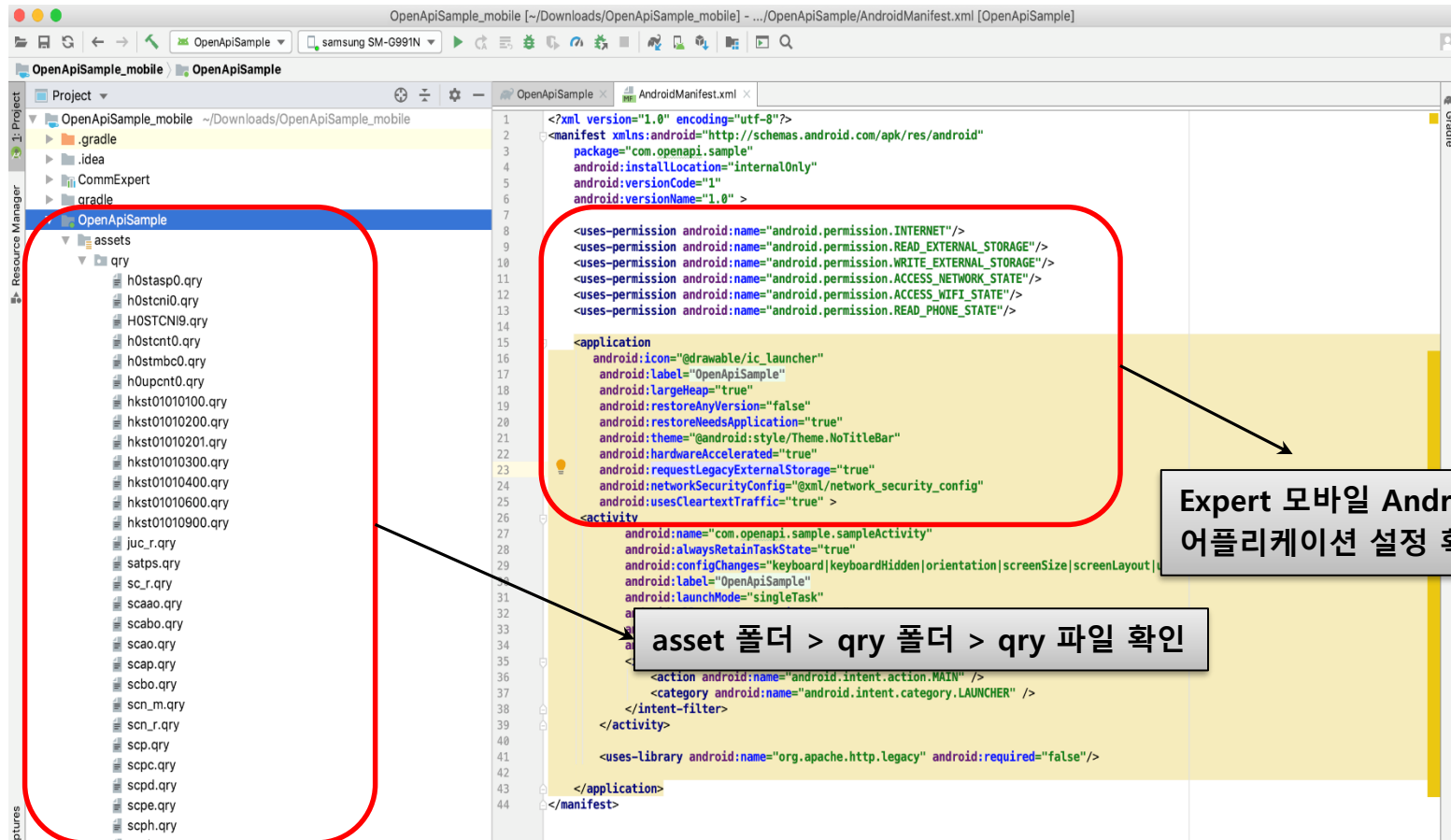
4) CommExpert 패키지 build.gradle 설정

The screenshot shows the IDE interface with the `build.gradle` file for the `CommExpert` package. The left sidebar shows the project structure, and the right pane displays the `build.gradle` file content. A red box highlights the `dependencies` section, and a callout box points to the `compileSdkVersion` and `buildToolsVersion` settings.

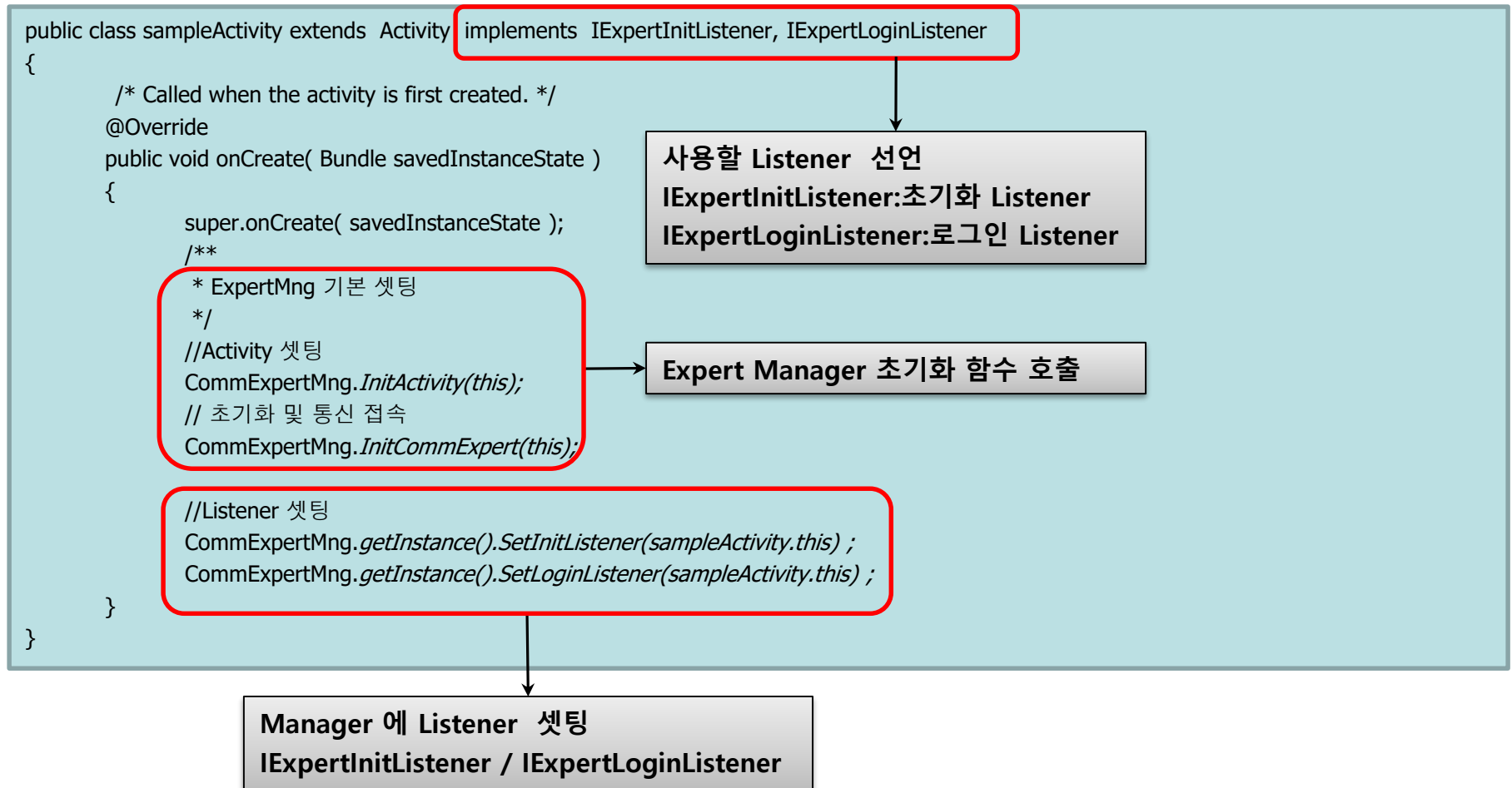
```
1 apply plugin: 'com.android.library'
2
3 dependencies {
4     api files('libs/midoulibrary.jar')
5     api files('libs/CubeOneKSI.jar')
6     api files('libs/KeySharpDevice_1.0.5.jar')
7     api files('libs/SDB_JAVA_SHA_API_1000.jar')
8     api files('libs/SignKorea-Android.jar')
9     api files('libs/mTransKeyCrypto.jar')
10    api files('libs/iTGUtillib-release.aar')
11    api files('libs/mVigsEngine-release.aar')
12    api files('libs/smartscorelib.jar')
13 }
14
15 android {
16     compileSdkVersion 29
17
18     defaultConfig {
19         minSdkVersion 9
20         targetSdkVersion 29
21     }
22
23     sourceSets {
24         main {
25             manifest.srcFile 'AndroidManifest.xml'
26             java.srcDirs = ['src']
27             resources.srcDirs = ['src']
28             aidl.srcDirs = ['src']
29             renderscript.srcDirs = ['src']
30             res.srcDirs = ['res']
31             assets.srcDirs = ['assets']
32         }
33
34         // Move the test files to build-types/debug
35         // InstrumentationTest
36
37         // Move the build types to build-types/<type>
38         // For instance, build-types/debug/java, build-types/debug/AndroidManifest.xml, ...
39         // This moves them out of them default location under src/<type>... which would
40         // conflict with src/ being used by the main source set.
41         // Adding new build types or product flavors should be accompanied
42         // by a similar customization.
43         debug.setRoot('build-types/debug')
44         release.setRoot('build-types/release')
45     }
46 }
47
```

build.gradle 파일 내 dependencies 항목과 compileSdkVersion, buildToolsVersion 지정

5) Qry 파일 및 AndroidManifest.xml 확인



1) Expert Manager 초기화

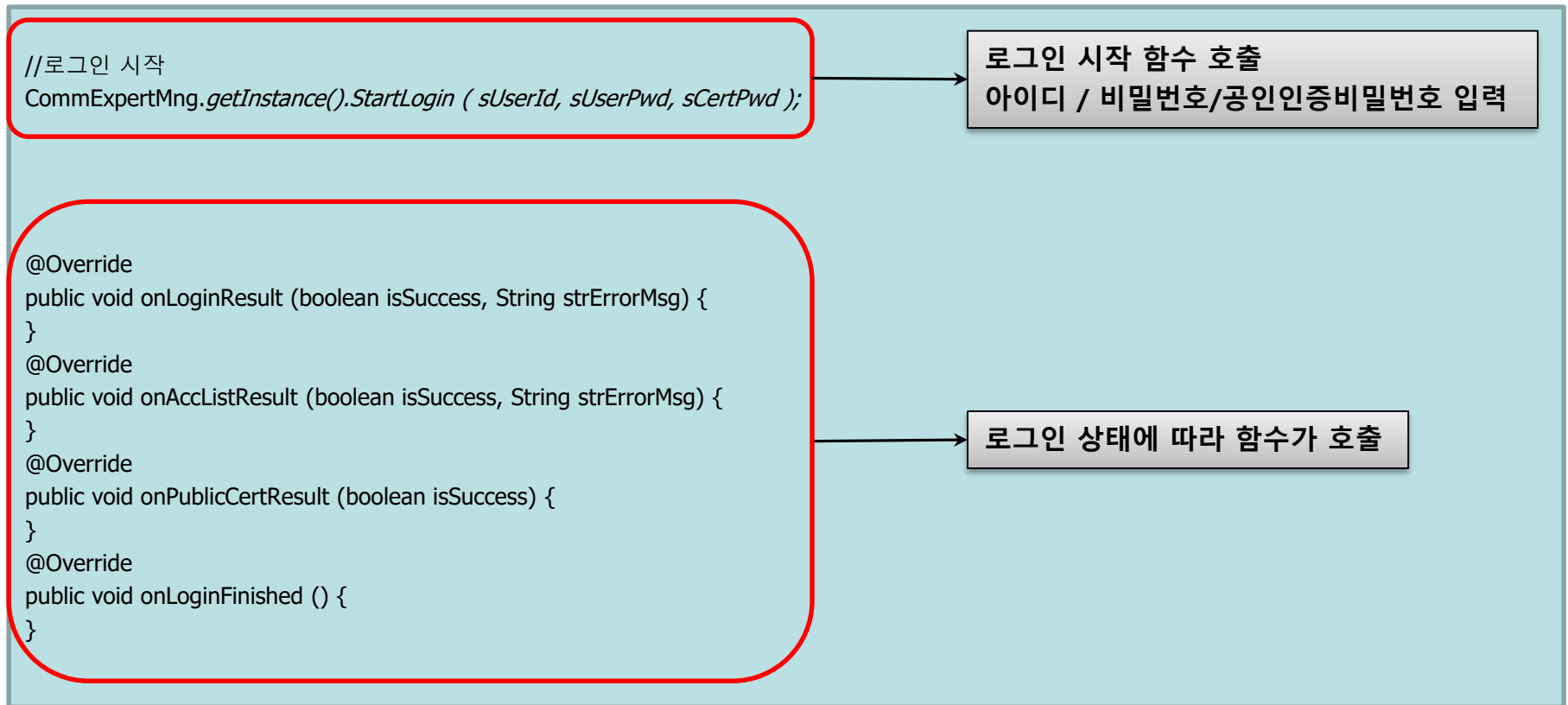


2) IExpertInitListener Override 함수 추가

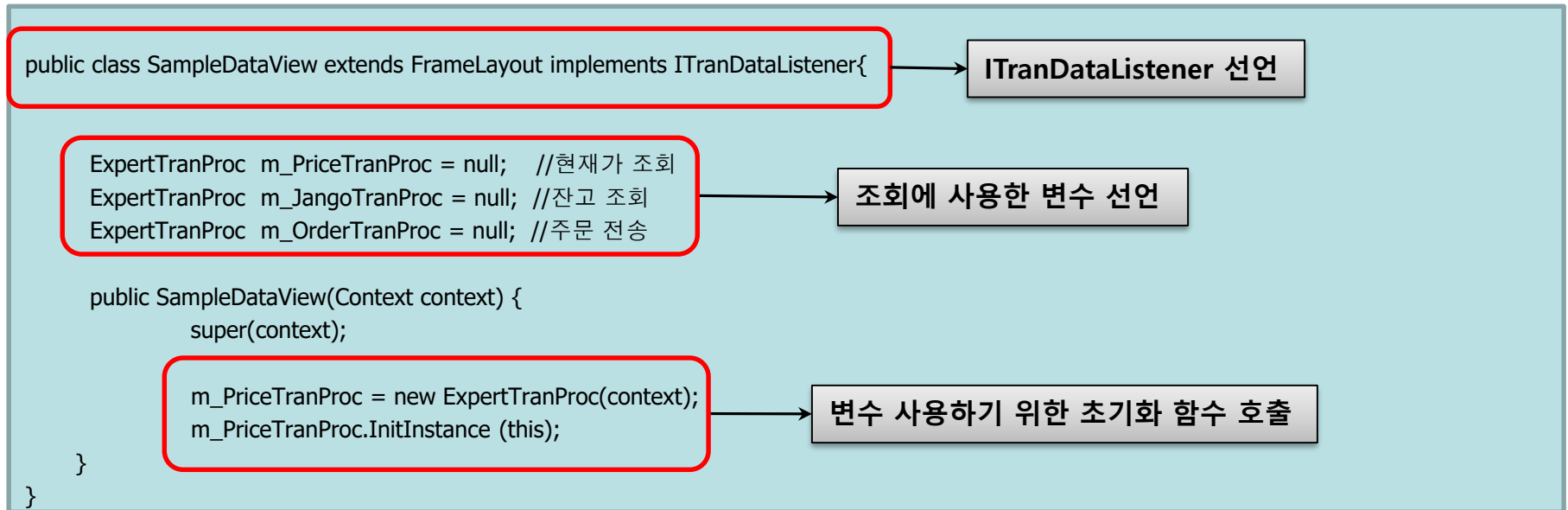
```
@Override
public void onSessionConnecting() {
}
@Override
public void onSessionConnected( boolean isSuccess, String strErrorMsg) {
}
@Override
public void onAppVersionState( boolean isDone) {
}
@Override
public void onMasterDownState( boolean isDone) {
}
@Override
public void onMasterLoadState( boolean isDone) {
}
@Override
public void onInitFinished() {
}
@Override
public void onRequiredRefresh() {
}
```

초기화 상태에 따라 함수가 호출

1) IExpertLoginListener Override 함수 추가



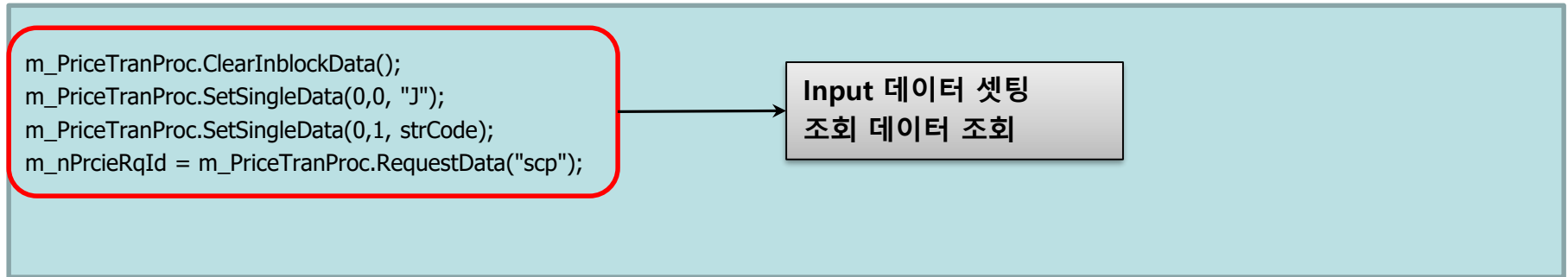
1) ITranDataListener 초기화



2) ITranDataListener Override 함수 추가

```
@Override  
public void onTranDataReceived (String sTranID, int nRqId) {  
}  
@Override  
public void onTranMessageReceived (int nRqId, String strMsgCode, String strErrorType, String strMessage) {  
}  
public void onTranTimeout (int nRqId) {  
}
```

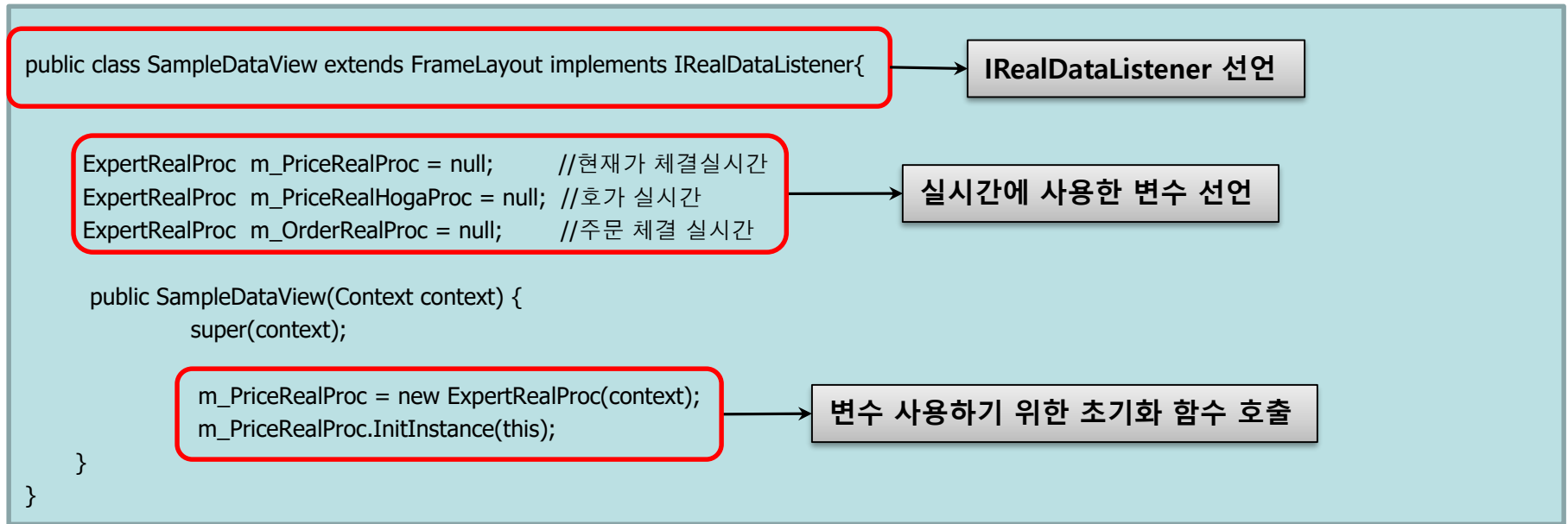
3) 조회 데이터 Request



4) 조회 데이터 Receive

```
@Override  
public void onTranDataReceived (String sTranID, int nRqId) {  
  
    if(m_nPrcieRqId == nRqId)//현재가 조회  
    {  
        // 현재가  
        String strPrice = m_PriceTranProc.GetSingleData(0,11);  
    }  
}
```

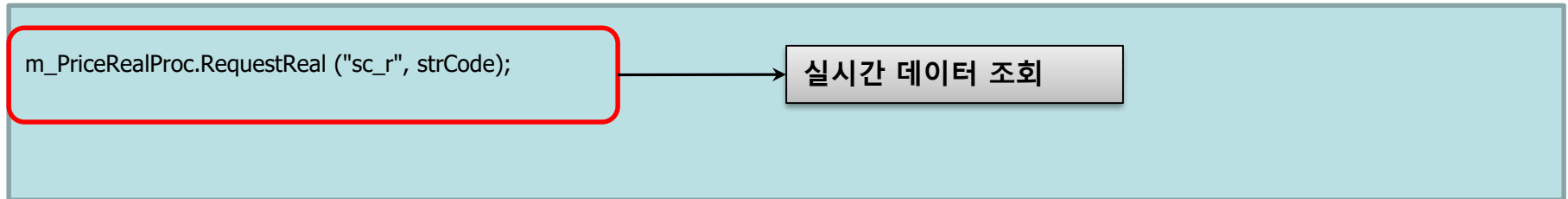
1) IRealDataListener 초기화



2) IRealDataListener Override 함수 추가

```
@Override  
public void onRealDataReceived (String strServiceId) {  
}
```

3) 실시간 데이터 Request



4) 실시간 데이터 Receive

```
@Override
public void onTranDataReceived (String sTranID, int nRqId) {

    //주식 종목체결 실시간
    if(strServiceId == "sc_r")
    {
        String strcode = m_PriceRealProc.GetRealData(0,0).trim(); //종목코드
        String strPrice = m_PriceRealProc.GetRealData(0,2);      //현재가
    }
}
```