

# Generating an Unsigned Release APK


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Running an Android application on an emulator does not require a digital signature, so you can use *unsigned packages* for this purpose. An unsigned package can be extracted *only* through an [Android artifact definition](#) with the **Release unsigned** package mode specified.

## Extracting an unsigned release Android application package

1. Open the [Project Structure](#) settings.
2. Click **Artifacts** to open the [Artifacts](#) page.
3. Click the **New** button **+** and choose the artifact type **Android Application** in the **New** drop-down list. Then specify the original contents of the artifact definition using the context menu:
  - To have an empty layout definition created. choose **Empty**.
  - To have the data of a module included in the artifact by default, choose **From module <module name>**.

The basic settings of the new artifact are displayed in the **Artifact Layout** pane that opens.

4. Specify the [general settings](#) of the artifact. In the **Output directory** text box, specify the location of the package .apk file to be created.
5. Complete the artifact definition by following these general steps:
  - Configure the [artifact structure](#).
  - [Add resources](#) to the artifact.
  - [Arrange the elements](#) included in the artifact.
  - If necessary, specify [additional activities](#) to be performed before and after building the artifact in the [Pre-processing](#) and [Post-Processing](#) tabs.
6. In the [Android](#) tab, choose **Release unsigned**.
7. To have IntelliJ IDEA [obfuscate the application](#), during packaging, select the **Run ProGuard** check box and specify the location of the [proguard.txt](#) configuration file. The file is generated during project creation and is stored in the project root. IntelliJ IDEA suggests this default location in the **Config file path** text box. Accept the suggestion or specify a custom configuration file by clicking the **Browse** button  and selecting the required file in the [dialog that opens](#).

## See Also

### Concepts:

- [Artifact](#)

### Procedures:

- [Generating Signed and Unsigned Android Application Packages](#)
- [Generating an Unsigned Release APK](#)
- [Configuring Artifacts](#)
- [Android](#)

### Reference:

- [Android Tab](#)
- [Artifacts](#)

## Web Resources:

- [Developer Community](#) □