



Mobile cloud - Android

Eclipse 3.7 and ADT plugin configuration

Most people are familiar with Eclipse as an integrated development environment (IDE) for Java. It was created by an open source community and is used in various sectors with the ability to be extended with additional software components (plugins). With these components, in fact, you can use this IDE to program on other environments / frameworks.

In this case it will be installed and configured the Android Development Tools (ADT) plugin to add some basic automation and some features for programming in Android platform. Using Eclipse with the ADT plugin is definitely recommended as it allows to quickly write code, debug and deploy the application.

Requirements

In order to proceed with the configuration of the plugin, you must have:

- **Eclipse 3.7.2 (Indigo)** download at: <http://www.eclipse.org/downloads/>
"Eclipse Classic" version is the recommended;
- **Java SE Development Kit (JDK)** download at:
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>.

First Eclipse start

During the first launch of Eclipse, you will be prompted for your *workbench* where you will save your projects. If you like you can create new folder. After configuration, select **Workbench** icon.

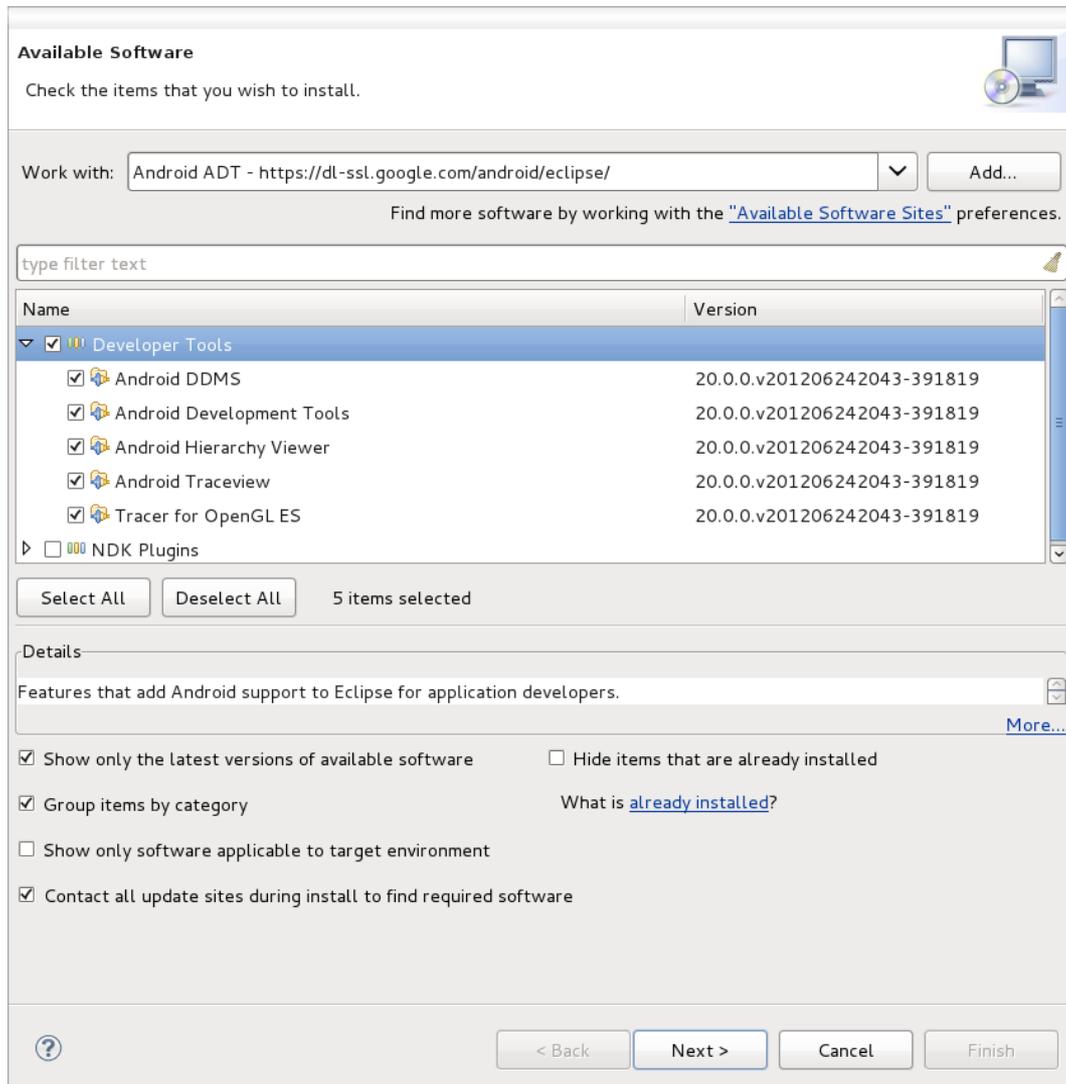
ADT plugin installation

Enter the installation page of the plugin via **Help > Install new software...**

Select **Add** in the upper right corner to add the Google repository, where the ADT plugin is published. Enter the following fields:

- Name: Android ADT (or whatever you like);
- Location: <https://dl-ssl.google.com/android/eclipse/>

Continue with the installation making sure to select the **Developer tools** in order to fully install the plugin as shown below (NDK Plugins is not necessary):



Note: During the installation you will be notified by a warning about installing Eclipse content is not digitally signed. In this case, ignore the warning and continue with the installation by restarting Eclipse after it.

Installing the Android SDK and the API

In order to develop under the Android platform, you need the Android SDK and at least one version of the Android API. For this, the next time you start Eclipse, you will be prompted to install everything necessary to proceed with the development of your first Android project.

Select to install a **new SDK** (unless you have not already downloaded) and choose to either install the **latest version** of the Android API and the **2.1 version** used for this workshop as shown below:



Continue with the installation by choosing whether to send data to Google about your installation.

Note: You can install multiple versions of the Android APIs based on which devices you want to target. The installation of additional APIs can be done through the SDK Manager in the menu **Window > Android SDK Manager**