

Android SDK

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Agenda

- ▶ What is SDK ?
- ▶ What is Android SDK ?
- ▶ Why Android studio is the Best ?
- ▶ Features of Android SDK
- ▶ Android SDK tools

What is SDK ?

- ▶ **Toolkit for Developers:** An SDK is like a toolbox for software developers. It contains pre-built code, libraries, and tools that simplify the process of creating applications for a particular platform, like a mobile operating system or a gaming console.
- ▶ **Building Blocks for Apps:** Think of an SDK as a collection of building blocks. Developers can use these blocks to assemble their apps more quickly and efficiently. These building blocks handle complex tasks, allowing developers to focus on creating unique features for their applications.

What is Android SDK ?

- ▶ The Android SDK (Software Development Kit) is a toolkit provided by Google for developers to create Android apps.
- ▶ **Android App Building Tools:** The Android SDK gives developers access to essential tools, including compilers, debuggers, and emulators. These tools help developers write, test, and debug Android applications on their computers before they are deployed on actual devices.
- ▶ **Ready-to-Use Code and Libraries:** Android SDK offers a vast collection of pre-written code snippets and libraries. Developers can use these ready-to-use components to add features like user interfaces, database management, and network communication, saving time and effort in the app development process.

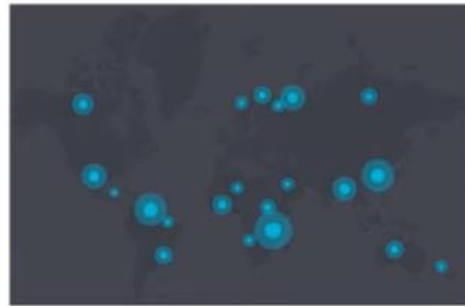
Why Android Studio is best ?

- ▶ **Optimized Integration:** Android Studio seamlessly integrates with the Android SDK, providing easy access to a rich library of components and the latest APIs, streamlining the development process.
- ▶ **Efficient Testing Tools:** Android Studio offers a versatile emulator, robust debugging capabilities, and comprehensive testing frameworks, ensuring thorough testing and high-quality app performance.
- ▶ **Enhanced Build and Compilation:** Leveraging the Android SDK's build tools like Gradle, Android Studio enables efficient compilation, easy management of dependencies, and smooth integration of external libraries, enhancing development efficiency.

Features of Android SDK



Offline Mapping

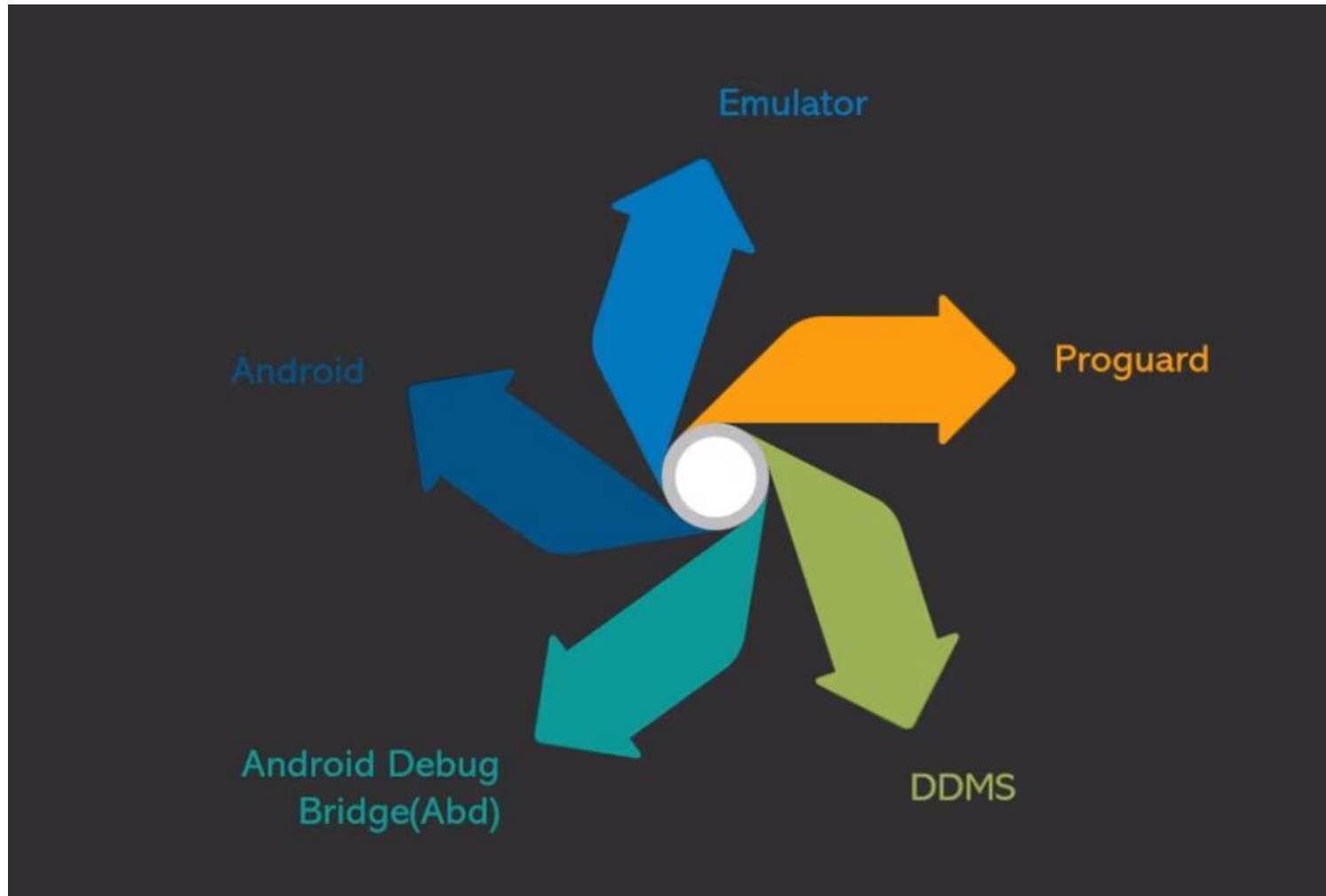


Dynamic Markers



API Compatibility

Android SDK tools



Thank you