Build native mobile apps using Flutter
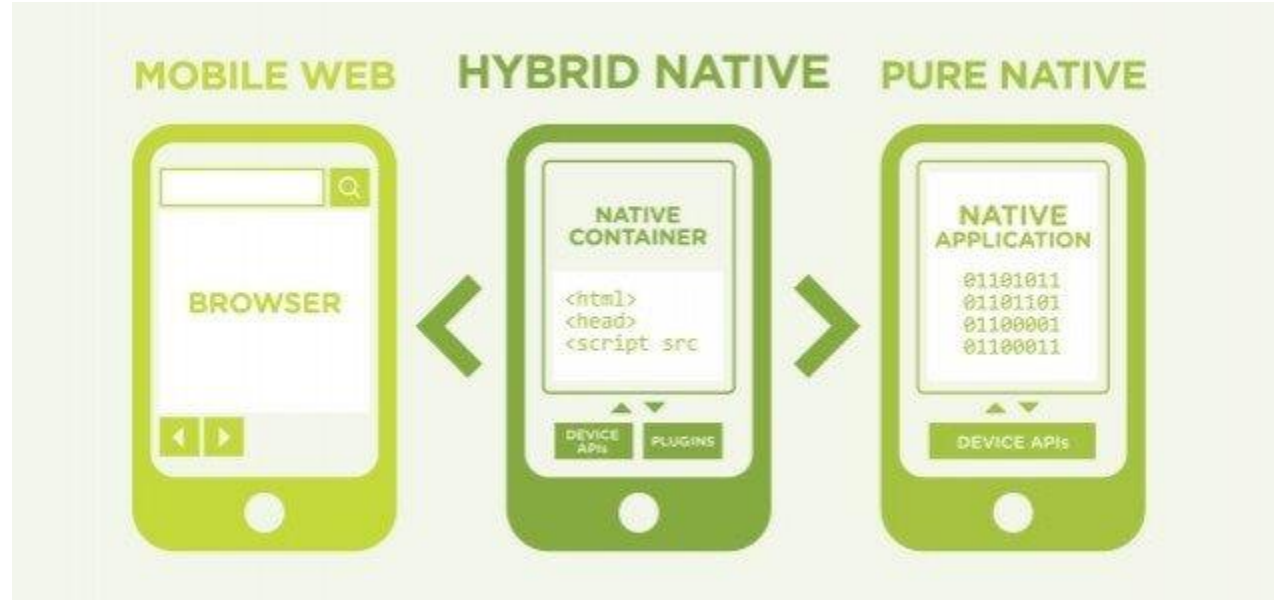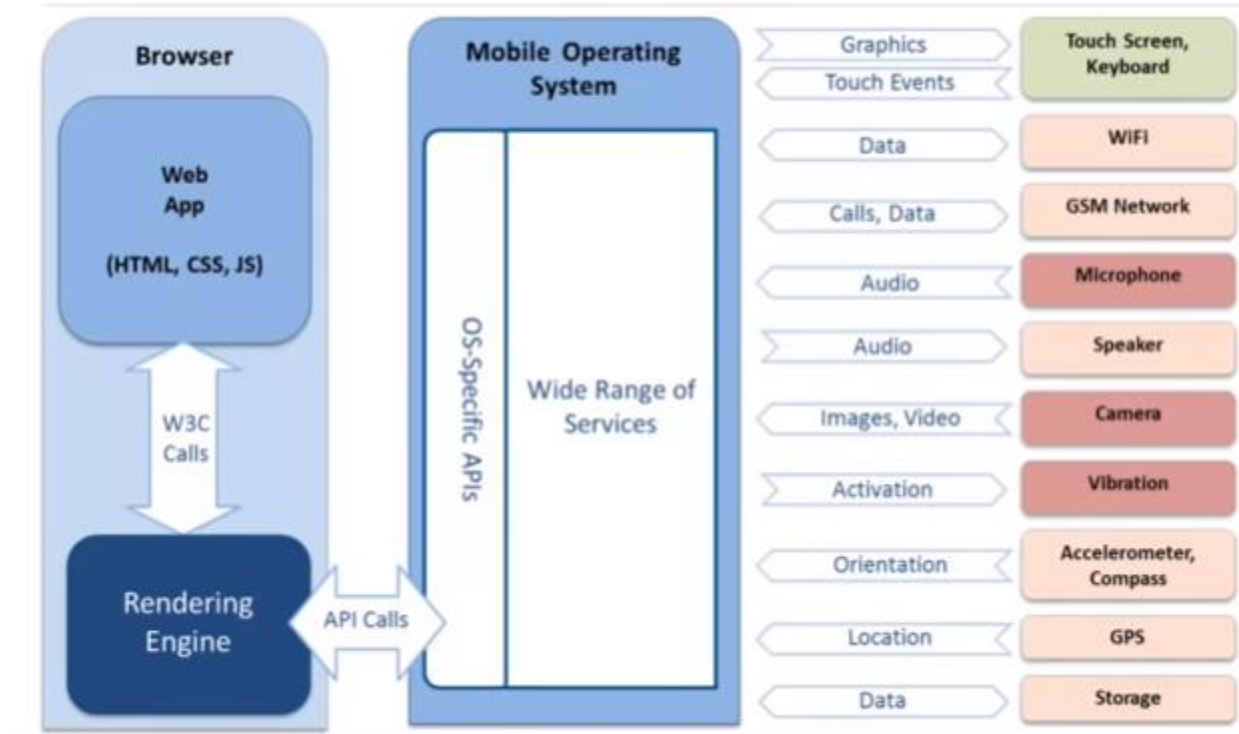
Types of Mobile app development

1. Web
2. Native
3. Hybrid

Web Mobile app development

1. Technologies - Html,CSS,Javascript
2. Run inside a browser
3. Easy to maintain
4. Look and feel like mobile app
5. Cannot be submitted to app stores.
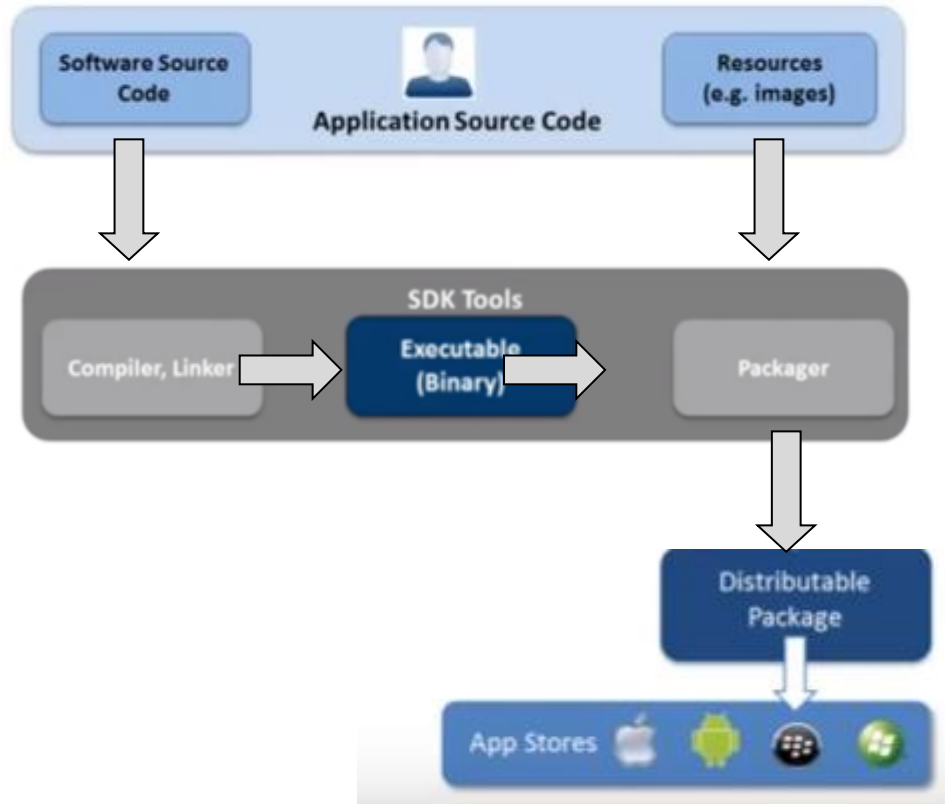
Web Mobile app development

Native apps

1. Technologies - Native programming language
2. Run on specific OS
3. Distributed in app stores
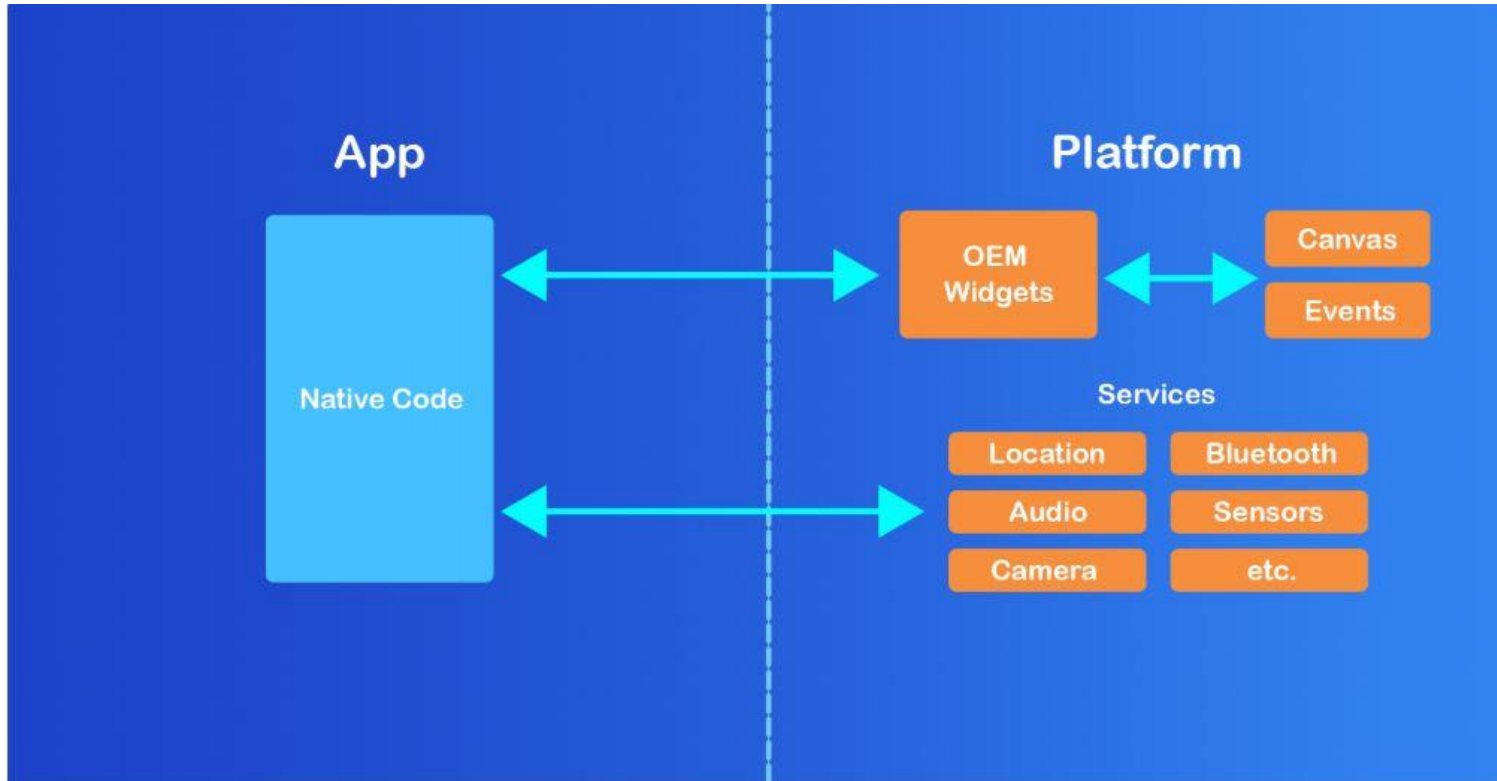4. Easily interact with device utilities.

Native apps

Native apps

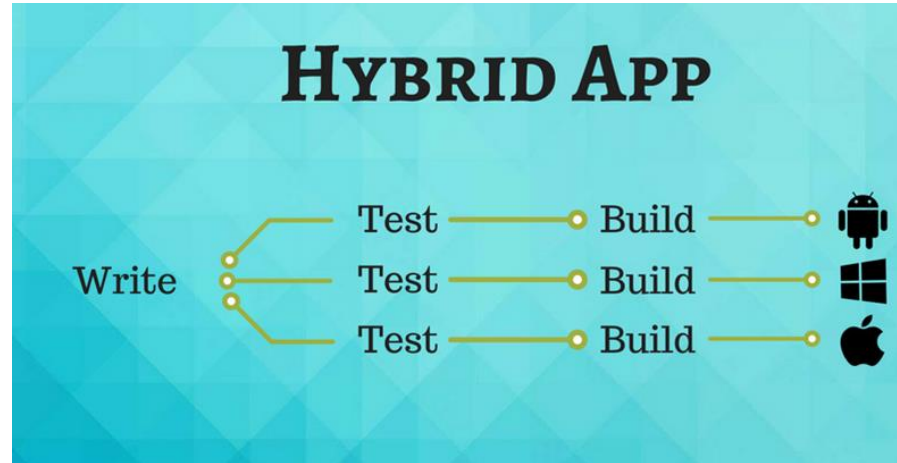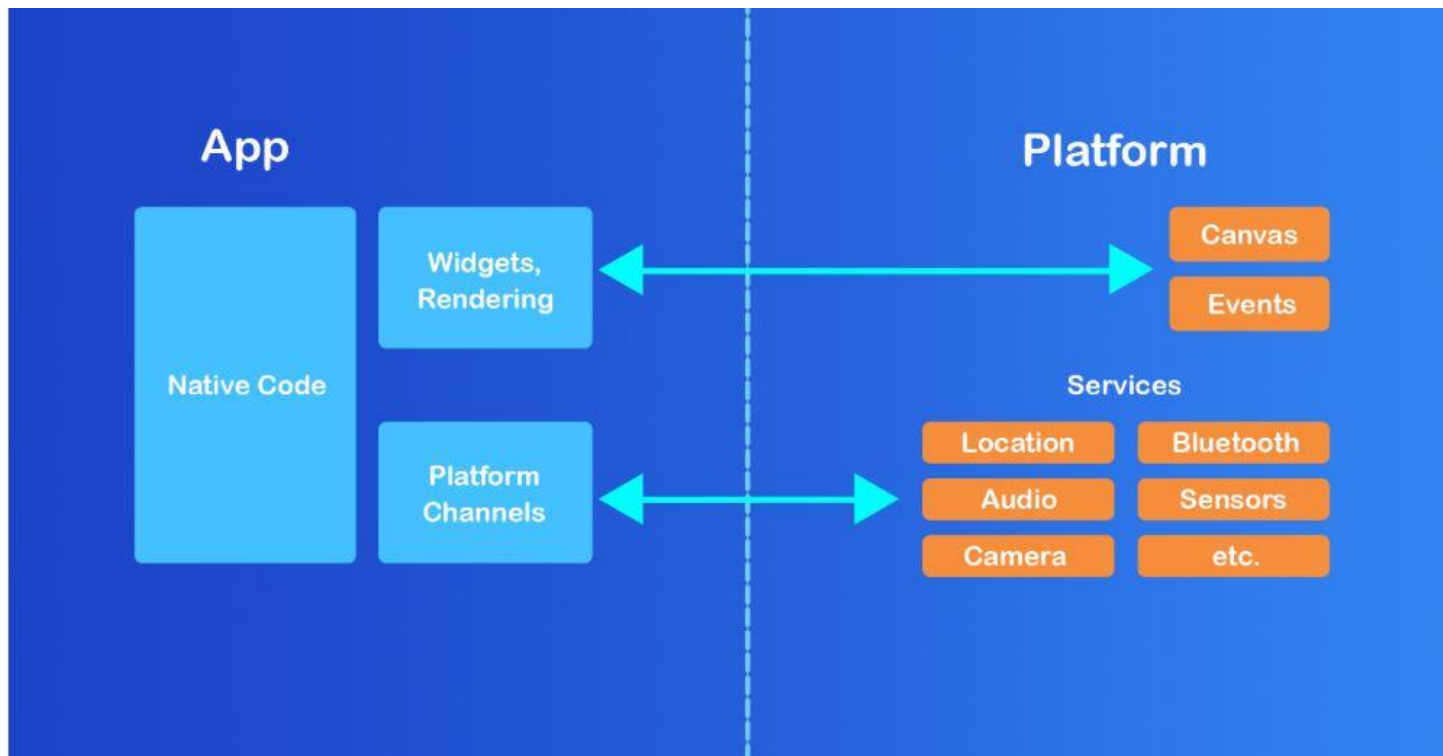|	Apple	Android	BlackBerry	Windows Phone
Languages	Obj-C, C, C++	Java (Some C, C++)	Java	C#, VB.NET, etc
Tools	Xcode	Android SDK	BB Java Eclipse Plug-In	Visual Studio, Windows Phone Dev Tools
Executable Files	.app	.apk	.cod	.xap
Application Stores	Apple iTunes	Android Market	BlackBerry App World	Windows Phone Market

Native apps - Advantages

Native Vs Web apps

	Device Access	Speed	Development Cost	App Store	Approval Process
Native	Full	Very Fast	Expensive	Available	Mandatory
Web	Partial	Fast	Reasonable	Not	None

Hybrid apps

1. Technologies - Html, CSS, JS
2. Run inside a container called webview
3. Native + Web apps
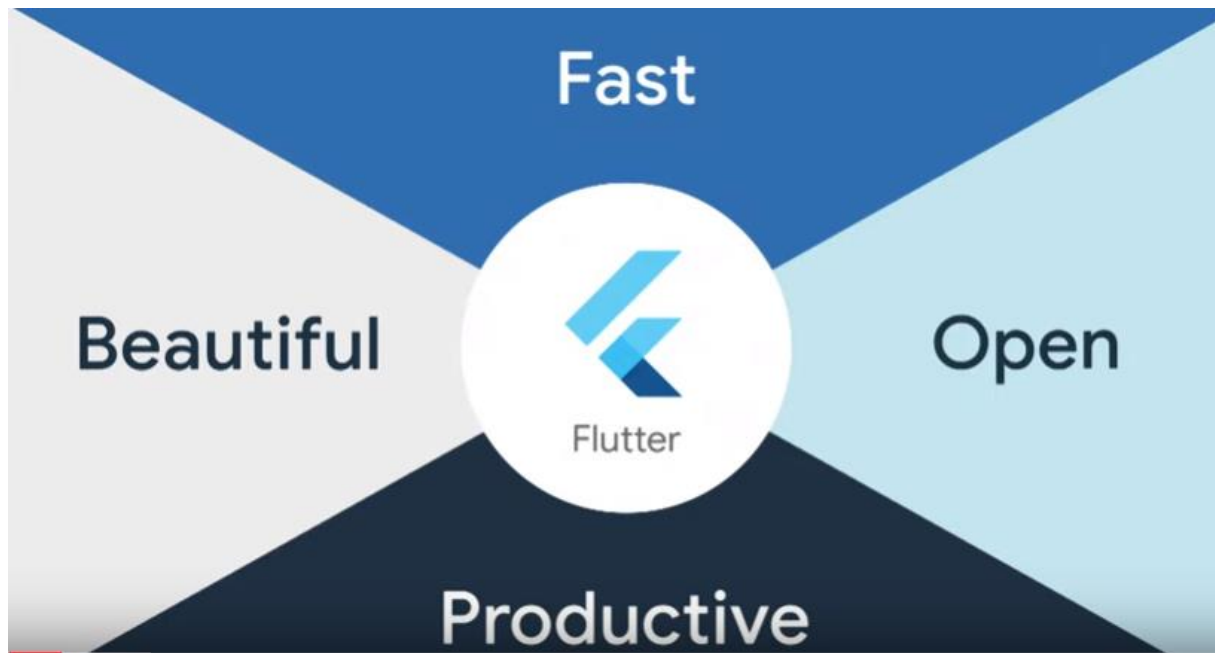4. Published on all app stores.
5. Access Device utilities.

Hybrid apps

What is Flutter

It is google's UI portable toolkit to develop apps on android, ios, web.

Installation - Set up

1. Install VScode

   Extensions

   - Dart
   - Flutter
   - Flutter widget snippets
   - Dart import (optional)

2. Install Android studio

   - Android SDK