



CapacitorJS

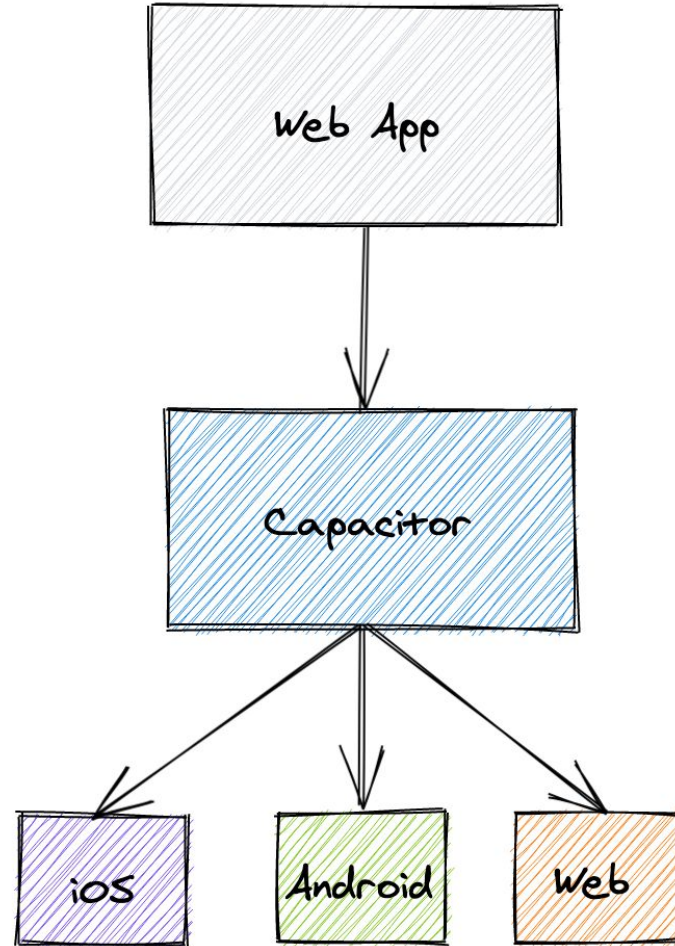
Turn your Web app into your Mobile App

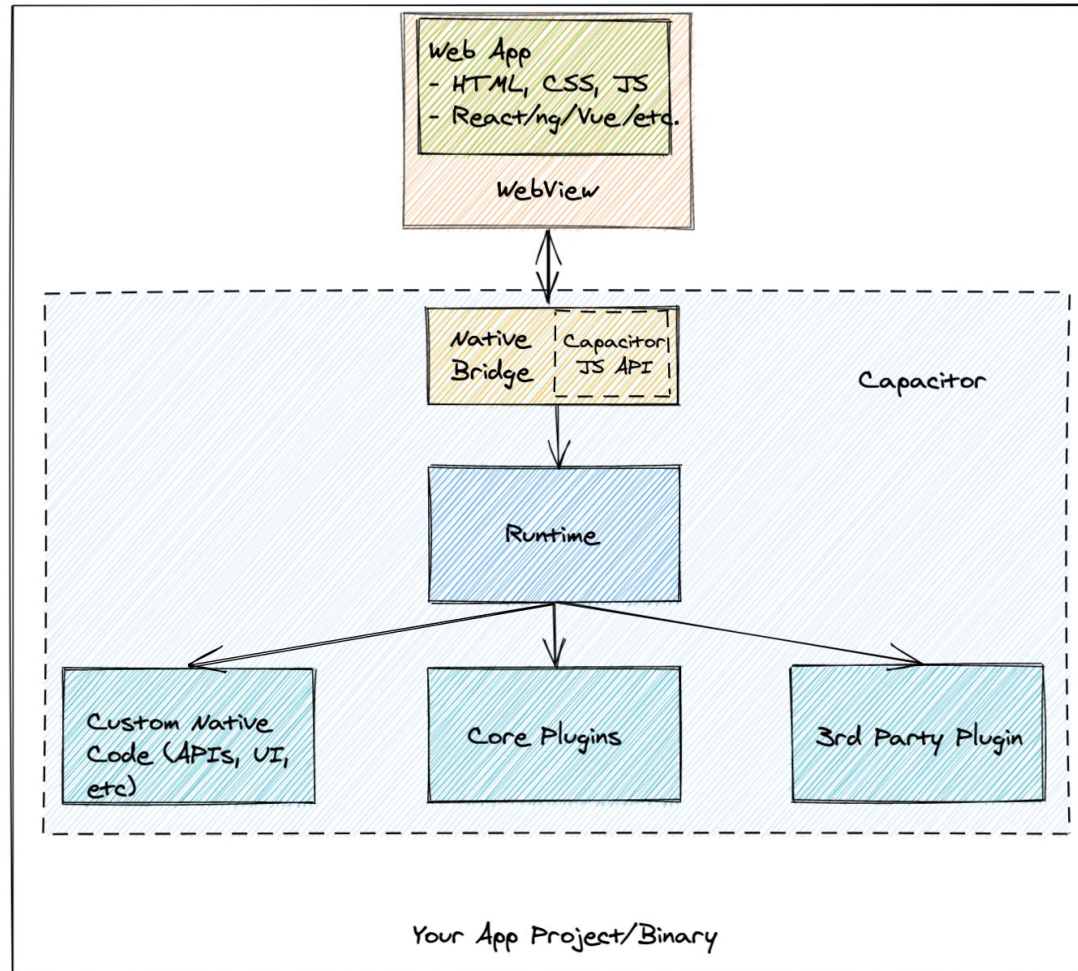
What is CapacitorJS?

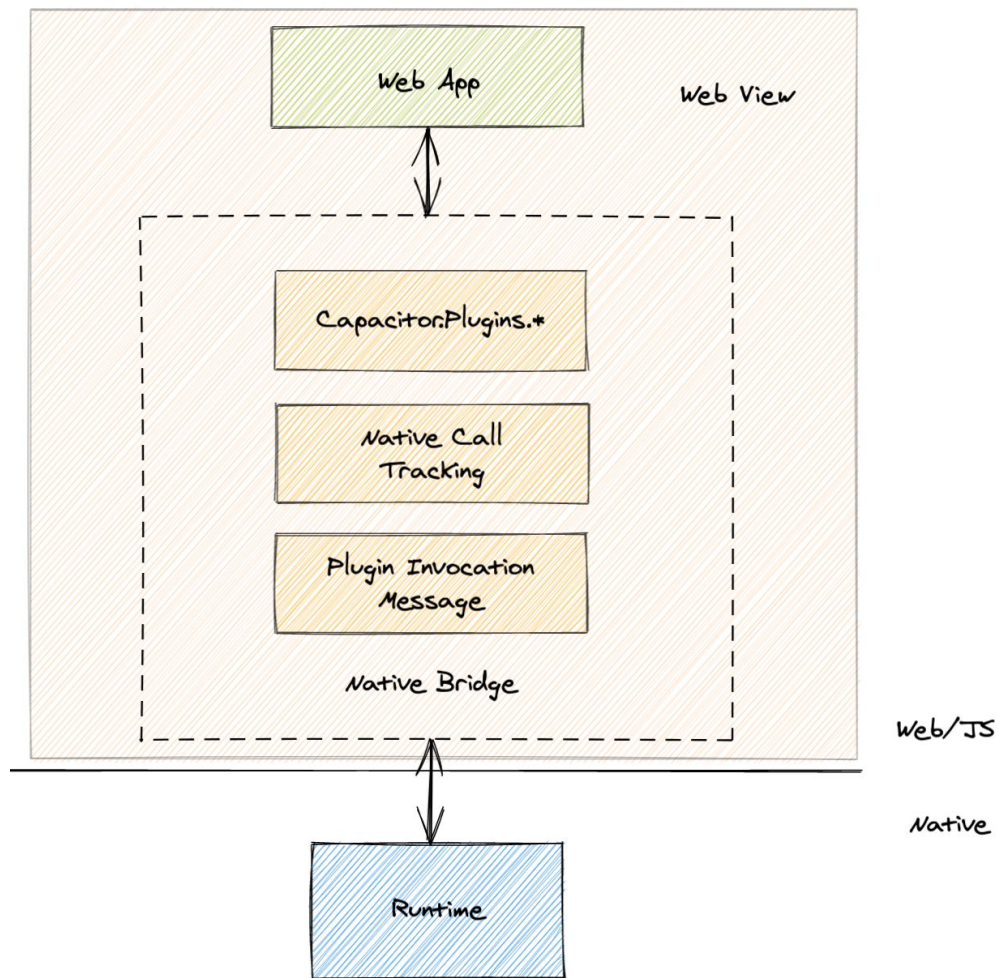
CapacitorJS is a cross-platform native runtime that allows you to build mobile apps using web technologies (HTML, CSS, and JavaScript). Created by the team behind Ionic, it serves as a bridge between web applications and native mobile platforms.



How Does it work internally?







When to use CapacitorJS?



- i) Building mobile apps with web technologies (React, Vue, Angular, vanilla JS)
- ii) Converting existing web applications to mobile apps
- iii) Rapid prototyping of mobile applications
- iv) When you need cross-platform compatibility with limited resources
- v) Building PWAs (Progressive Web Apps) that also need native app store presence

When not to use CapacitorJS?

- i) High-performance applications (games, heavy graphics, real-time processing)
- ii) Apps requiring extensive native integrations
- iii) When you need pixel-perfect native UI/UX
- iv) Applications with complex native navigation requirements
- v) When team has strong native development expertise but limited web skills



Before Starting up



Core Requirements

- Node Version 20
- Java Version 21
- Andriod Studio
- An Android SDK Installation

Requirements in existing

- package.json
- A separate directory to install Capacitor Core Utils
- In `index.html` file at the root of your web assets directory



Install Capacitor

```
$ npm i @capacitor/core
```

```
$ npm i @capacitor/cli
```

Initialize your capacitor

```
$ npx cap init
```

Create your Android

```
$ npm i @capacitor/android
```

Create your Android

```
$ npm i @capacitor/android
```

Add your Capacitor

```
$npx cap add android
```

Sync your web code

```
$ npx cap sync
```

Running Your App

```
$ npx cap run android
```



OUR APP IS LIVE NOW!!

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