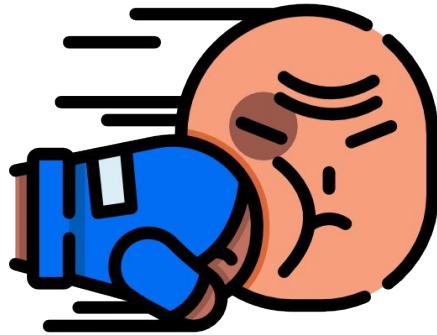


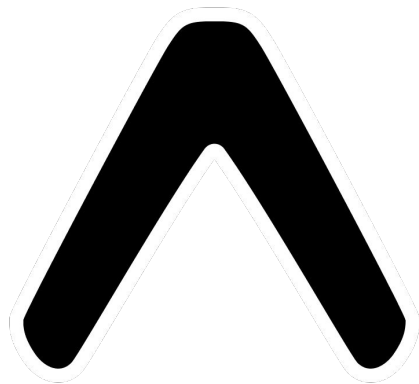
PUNCH



What's In It For YOU?



Expo



Our Roadmap

1. Context
2. Key Points
3. Extras
4. Wrap

About Expo

Some Context into Expo

- An open-source *platform* (PaaS) with a set of tools and services built around React Native
- Make universal native apps that run on Android, iOS and the web
- Supports you in building your app from scratch to deployment

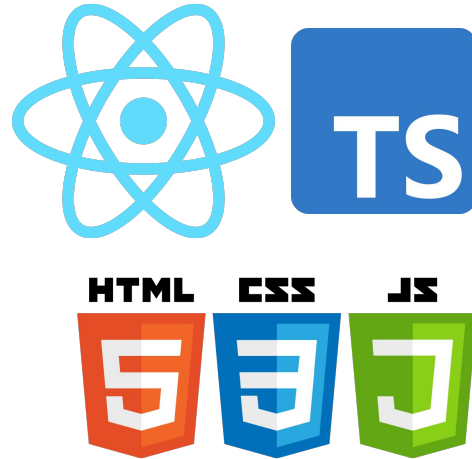
Key Points



Empowering
Creativity



Leveraging
Familiar
Technologies



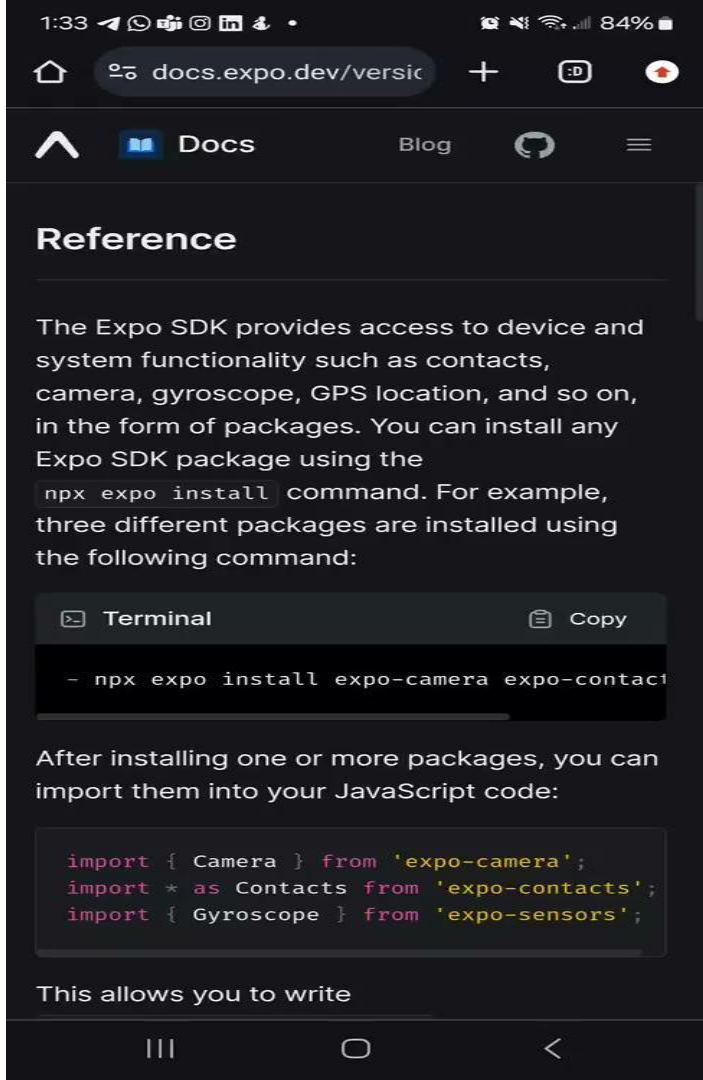
Simplified
Cross-Platform
Dev



Empowering Creativity

Focus on building

- Tools and resources are readily provided
- A streamlined development process and access to native APIs
- Hot Reload



Managed Workflow

Upside

- Ease of Use
 - Cloud-based build service, Over-The-Air (OTA) updates, Access to Native APIs

Downside

- Limited Customisation
 - Might not be as performant as Native
 - Some APIs are unavailable on the SDK

Leveraging Familiar Technologies

Technologies you need

- React
- JavaScript
- HTML CSS
- Android Studio / xcode
 - Alternatively, Expo Go

React Native vs. HTML + CSS

```
1 import React from 'react';
2 import { View, Text, StyleSheet } from 'react-native';
3
4 const App = () => {
5   return (
6     <View style={styles.container}>
7       <Text style={styles.text}>Hello, React Native!</Text>
8     </View>
9   );
10 };
11
12 const styles = StyleSheet.create({
13   container: {
14     flex: 1,
15     justifyContent: 'center',
16     alignItems: 'center',
17     backgroundColor: '#f0f0f0',
18   },
19   text: {
20     fontSize: 20,
21     fontWeight: 'bold',
22     color: '#333',
23   },
24 });
25
26 export default App;
27
```

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>React Native vs Web Example</title>
7   <style>
8     body {
9       margin: 0;
10      padding: 0;
11      font-family: Arial, sans-serif;
12    }
13    .container {
14      display: flex;
15      justify-content: center;
16      align-items: center;
17      height: 100vh;
18      background-color: #f0f0f0;
19    }
20    .text {
21      font-size: 20px;
22      font-weight: bold;
23      color: #333;
24    }
25  </style>
26 </head>
27 <body>
28   <div class="container">
29     <p class="text">Hello, Web HTML/CSS!</p>
30   </div>
31 </body>
32 </html>
33
```

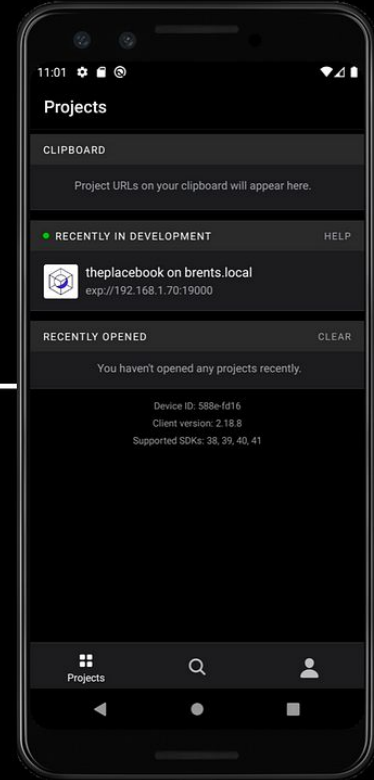
Expo Go

Expo CLI



loads project from

Expo Go



Cross-Platform

Cross-Platform



Native Modules

- Install them as you need
- Eject to React Native ❌

Some bad news...

If you cannot find what you need

- Possibly eject to React Native ✓

Bare Workflow

Upside

- Full customisation
- Access to Platform-specific Features
- Optimised Performance

Downside

- Steep learning curve; Setup complexity
- Manage app configuration and OTA updates independently

Bonus



Expo vs. Flutter

Category	Expo (28.1k stars)	Flutter (161k stars; I'm shocked)
Programming Language	JavaScript/TypeScript	Dart -- is a modern, object-oriented language with features like strong typing and Just-in-Time (JIT) compilation.
UI Components	Utilises React Native components, based on native components	Customisable UI components known as widgets, rendered using Skia graphics engine. Built-in Material Design and Cupertino widgets.
Performance	Depends on React Native and JS Runtime	Excellent performance due to Dart (WORA) and its own rendering engine. Often achieves high frame rates and smooth animations.
Publishing and Deployment	Managed workflow	Developers to handle app signing and distribution manually

WIIFY

Learn Expo today, build a mobile
app that
YOU TRULY WANT

1. Empowering
Creativity
2. Leveraging Familiar
Technologies
3. Cross-Platform