

React Native Tool Details Table

Tool Name	React Native
Platform	Android and IOS
Application Development Type	<p>React Native is used to Develop Cross Platform Apps. But is very similar to a hybrid platform because it can be written in one language and work for both ios and android devices.</p> <p>-Advantages Only have to write code once to deploy it everywhere Due to only one language there is a smaller learning curve It is cheaper because you are essentially cutting development time in half Getting hybrid deployment with close to native results</p> <p>-Disadvantages Still somewhat limited on what native components can be used Can be slower than a 100% native app</p>
Website	https://reactnative.dev/
Developers	open-source UI software framework created by Facebook, Inc.
Release Date	March 26, 2015
License	MIT Licensed (React License)
Price	Free Open Source
Programming Language(s)	JavaScript
Features	<p>Open Source Backed my Facebook</p> <p>Write Once Use Anywhere</p>

	<p>Support For 3rd Party Libraries</p> <p>Cost effective</p>
Debugger	Built in Debugger
Built-in Emulator	NA
Host machine requirements	<p>Minimum 4gb Ram Windows 10 and up No other hardware requirements but forms read that you would want a mid spec i5 and a cheap graphics card as well to have a smooth experience.</p> <p>Software Requirements:</p> <ul style="list-style-type: none"> • Android Studio (IDE) 2.2.3. • Android Sdk 25.0.2. • Java 1.8.0_121. • Node Js 4.2.6. • NPM 3.5.2. • React native cli 2.0.1.
Integrated Development Environment (IDE)	React Native does not have a built in IDE you may use any code editor(such as vscode)
Software to be installed on the host machine	<p>Software Requirements:</p> <ul style="list-style-type: none"> • Android Studio (IDE) 2.2.3. • Android Sdk 25.0.2. • Java 1.8.0_121. • Node Js 4.2.6. • NPM 3.5.2. • React native cli 2.0.1 • Any Code Editor • React Native
Advantages	<p>-Saves time and money due to being cross platform</p> <p>-good performance</p> <p>-increased flexibility</p> <p>-Can be moved to other frameworks</p> <p>-Can immediately view changes</p>

Disadvantages	<ul style="list-style-type: none"> -Lacking some custom Modules -Native Developers Still Needed to develop Native features for ios and android
Language availability	Default English but apps can be configured to any language
Uploading and Selling an App	Uploading and selling apps is free through react native but you may have to pay for a pass to sell on some specific app stores like apple store
Third –party emulator which can be linked to the tool	<p>One Emulator that can be used with React Native is called Genymotion. The instal seems pretty straight forward and includes</p> <ul style="list-style-type: none"> -installing node js. -Installing npm -Signing up For Genymotion -Adding a virtual Device -Configuring Environment Variables and Paths -Then from there simply create a React native Project and run it with npm through Genymotion
Market Share	42%
Number of apps available	<p>Thousands of React Native apps are available.</p> <p>Some big ones include</p> <ul style="list-style-type: none"> -Facebook -Instagram -Coinbase -Shopify -Discord
Number of downloads/users if applicable	NA
Front end Support	Native Components and Declarative UI
Community Support	Very Strong