**React Native(Wikipedia:** <https://en.wikipedia.org/wiki/React_Native>**)**

**React Native** is an [open-source](https://en.wikipedia.org/wiki/Open-source_software) [mobile application framework](https://en.wikipedia.org/wiki/Application_framework) created by [Facebook](https://en.wikipedia.org/wiki/Facebook). It is used to develop applications for [Android](https://en.wikipedia.org/wiki/Android_(operating_system)), [iOS](https://en.wikipedia.org/wiki/IOS) and [UWP](https://en.wikipedia.org/wiki/Universal_Windows_Platform) by enabling developers to use [React](https://en.wikipedia.org/wiki/React_(JavaScript_library)) along with native platform capabilities.

The working principles of React Native are virtually identical to React except that React Native does not manipulate the [DOM](https://en.wikipedia.org/wiki/Document_Object_Model) via the [Virtual DOM](https://en.wikipedia.org/wiki/React_(JavaScript_library)#Virtual_DOM). It runs in a [background process](https://en.wikipedia.org/wiki/Background_process) (which interprets the [JavaScript](https://en.wikipedia.org/wiki/JavaScript) written by the developers) directly on the end-device and communicates with the native platform via a [serialisation](https://en.wikipedia.org/wiki/Serialization), [asynchronous](https://en.wikipedia.org/wiki/Asynchrony_(computer_programming)) and [batched](https://en.wikipedia.org/wiki/Batch_processing) Bridge.[[11]](https://en.wikipedia.org/wiki/React_Native#cite_note-11)[[12]](https://en.wikipedia.org/wiki/React_Native#cite_note-12).

React Native does not use HTML. Instead, messages from the JavaScript thread are used to manipulate native views.