Out-of-Tree Platforms

React Native is not only for Android and iOS devices - our partners and the community maintain projects that bring React Native to other platforms, such as:

From Partners

- React Native macOS - React Native for macOS and Cocoa.
- React Native Windows - React Native for Microsoft's Universal Windows Platform (UWP).

From Community

- alita - An experimental, comprehensive port of React Native to mini-program (微信小程序).
- React Native tvOS - React Native for Apple TV and Android TV devices.
- React Native Web - React Native on the web using React DOM.
- Valence Native - A wrapper for React Native, using Qt to target Linux, macOS, and Windows. Forked from Proton Native which is no longer maintained.
- React Native Skia - React Native using Skia as a renderer. Currently supports Linux and macOS.

Creating your own React Native platform

Right now the process of creating a React Native platform from scratch is not very well documented - one of the goals of the upcoming re-architecture (Fabric) is to make maintaining a platform easier.

Bundling

As of React Native 0.57 you can now register your React Native platform with React Native's JavaScript bundler, Metro. This means you can pass `--platform example` to `npx react-native bundle`, and it will look for JavaScript files with the `.example.js` suffix.

To register your platform with RNPM, your module's name must match one of these patterns:

- `react-native-example` - It will search all top-level modules that start with `react-native-`

- `@org/react-native-example` - It will search for modules that start with `react-native-` under any scope

- `@react-native-example/module` - It will search in all modules under scopes with names starting with `@react-native-`

You must also have an entry in your `package.json` like this:
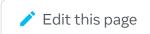
```
{
  "rnpm": {
    "haste": {
      "providesModuleNodeModules": ["react-native-example"],
      "platforms": ["example"]
    }
  }
}
```

`"providesModuleNodeModules"` is an array of modules that will get added to the Haste module search path, and `"platforms"` is an array of platform suffixes that will be added as valid platforms.

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