**Version: 3.x**

# Getting started

The *Fundamentals* section was designed to help you gain a strong foundation on the core concepts of Reanimated and give you the confidence to explore more advanced use cases on your own. This section is packed with interactive examples, code snippets and explanations. Are you ready? Let's dive in!

## What is React Native Reanimated?

React Native Reanimated is a powerful animation library built by <u>Software Mansion</u>.

With Reanimated, you can easily create smooth animations and interactions that run on the <u>UI thread</u>.

## Quick start

If you don't have an existing project, you can create a new Expo app using a template:

<u>**NPM**</u>   **YARN**

```
npx create-expo-app my-app -e with-reanimated
```

Alternatively, you can dive into <u>our examples</u> on GitHub.

## Installation

It takes three steps to add Reanimated to a project:

### Step 1: Install the package

Install `react-native-reanimated` package from npm:

**EXPO**    NPM    YARN

```
npx expo install react-native-reanimated
```

## Step 2: Add Reanimated's babel plugin

Add `react-native-reanimated/plugin` plugin to your `babel.config.js`.

```
module.exports = {
  presets: [
    ... // don't add it here :)
  ],
  plugins: [
    ...
    'react-native-reanimated/plugin',
  ],
};
```

> ⓘ **CAUTION**
>
> `react-native-reanimated/plugin` has to be listed last.

> ⌄ Why do I need this?

## Step 3: Clear cache (recommended)

**EXPO**    NPM    YARN

```
npx expo start -c
```

## Platform specific setup

## Android

No additional steps are necessary.

## iOS

While developing for iOS, make sure to install __pods__ first before running the app:

```
cd ios && pod install && cd ..
```

## Web

For building apps that target web using __react-native-web__ we highly recommend to use __Expo__.

To use Reanimated on the web all you need to do is to install and add `@babel/plugin-proposal-export-namespace-from` Babel plugin to your `babel.config.js`.

__EXPO__        NPM        YARN

```
npx expo install @babel/plugin-proposal-export-namespace-from
```

```js
module.exports = {
    presets: [
      ... // don't add it here :)
    ],
    plugins: [
        ...
        '@babel/plugin-proposal-export-namespace-from',
        'react-native-reanimated/plugin',
    ],
};
```

Make sure to list `react-native-reanimated/plugin` last.

More advanced use cases such as running Reanimated with `webpack` or with `Next.js` are explained in a separate __Web Support__ guide.

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