

Localization

A guide to producing localized layout for different locales.

React Native for Web provides simple mechanisms to automatically flip layouts to match the writing direction of the app or a specific component tree.

Localization styles

The non-standard [direction-independent style properties and values](#) (e.g., `marginStart`) should be used as much as possible. React Native for Web will automatically flip the direction of these properties within subtrees based on the writing direction of the ancestor tree.

```
// "start" is "left" for LTR and "right" for RTL
const style = { paddingInlineStart: 10, marginInlineStart: 10 };
return (
  <View style={style} />
);
```

Localization props

To automatically flip the layout of a component and its subtree, you can either:

1. Set the `dir` prop to the desired writing direction (e.g., `"rtl"`).
2. Set the `lang` prop to the locale of the content.

```
<View dir="ltr">...</View>
<Text lang="ar">...</Text>
```

By default, the native writing direction of `Text` and `TextInput` components is set to `"auto"`. This uses the browser's built-in writing direction algorithm to detect whether the text should be displayed left-to-right or right-to-left.

Localization hook

The `useLocaleContext` API can be used for fine-grained control of layout, e.g., flipping images or transforms.

```
const { direction, locale } = useLocaleContext();

const isRTL = direction === 'rtl';
const style = { scaleX: isRTL ? -1 : 1 };

<Image source={'forward.svg'} style={style} />
<Image source={isRTL ? 'back.svg' : 'forward.svg'} />
```

Updated July 20, 2023 [Edit](#)



React Native for Web – Copyright © Nicolas Gallagher and Meta Platforms, Inc.