

What is CRACO? CRACO stands for Create React App Configuration Override. Short and sweet, it's an hacky layer on top of Create React App (CRA) to customize its configuration. This is achieved by overriding the cache of the require calls made by CRA to replace the exported content with our customized configuration. 01-Mar-2019

You can use CRA to abstract all this complexity for you. In a few minutes you will have a working, almost blank, React project with **development**, **production** and **test** scripts.

The maintainers of the project have great knowledge of Webpack and React and you can leverage it for free. Even the great Dan Abramov contributes to the project.

Use in create-react-app

Use in TypeScript

Change Log

Customize Theme

Dynamic Theme (Experimental)

Replace Moment.js

V3 to V4

Third-Party Libraries

Internationalization

FAQ

Contributing

Install craco and modify the `scripts` field in `package.json`.

```
$ yarn add @craco/craco
```

```
/* package.json */
"scripts": {
  - "start": "react-scripts start",
  - "build": "react-scripts build",
  - "test": "react-scripts test",
  + "start": "craco start",
  + "build": "craco build",
  + "test": "craco test",
}
```

they themselves told to
use Craco if we want
to use Antd in React
project

Then create a `craco.config.js` at root directory of your project for further overriding.

```
/* craco.config.js */
module.exports = {
  // ...
};
```

e.json

```
"dependencies": {
  "@ant-design/charts": "^1.3.4",
  "@ant-design/icons": "^4.7.0",
  "@craco/craco": "^6.4.3",
  "@testing-library/jest-dom": "^4.2.4",
  "@testing-library/react": "^9.5.0",
  "@testing-library/user-event": "^7.2.1",
  "antd": "^4.18.2",
  "antd-mask-input": "^0.1.15",
  "axios": "^0.21.4",
  "craco-less": "^2.0.0",
  "i18next": "^20.3.4",
  "i18next-browser-languagedetector": "^6.1.2",
  "i18next-xhr-backend": "^3.2.2",
  "moment": "^2.29.1",
  "node-sass": "^4.14.1",
  "react": "^17.0.2",
  "react-dom": "^17.0.2",
  "react-ga": "^3.3.0",
  "react-google-places-autocomplete": "2.3.2",
  "react-helmet-async": "^1.0.9",
  "react-i18next": "^11.11.3",
  "react-redux": "^7.2.1",
  "react-router-dom": "^6.2.1",
  "react-scripts": "^5.0.0",
  "redux": "^4.0.5",
  "redux-persist": "^6.0.0",
  "redux-thunk": "^2.3.0"
},
"scripts": {
  "start": "craco start",
  "build": "craco build",
  "test": "craco test",
  "eject": "craco eject",
  "lint": "eslint ./",
  "lint-fix": "eslint ./ --fix",
  "format": "prettier --write \"**/*.+(js|jsx|json|yaml|yml|css|md|scss)\",",
  "pre-commit": "lint-staged"
},
"husky": {
  "hooks": {
    "pre-commit": "lint-staged && pretty-quick --staged"
  }
},
"lint-staged": {
```


CRACO

build

unknown

PRs

welcome

Create React App Configuration **O**verride is an easy and comprehensible configuration layer for create-react-app.

Get all the benefits of create-react-app **and** customization without using 'eject' by adding a single configuration (e.g. craco.config.js) file at the root of your application and customize your eslint, babel, postcss configurations and many more.

All you have to do is create your app using **create-react-app** and customize the configuration file.

Support

- Create React App (CRA) 4.*
- Yarn ✓
- Yarn Workspace
- NPM ✓
- Lerna (with or without hoisting)
- Custom react-scripts version

Documentation

- **Installation** - How to install and setup CRACO.

Install

```
> npm i @craco/craco
```

Repository

◆ github.com/gsoft-inc/craco

Homepage

🔗 github.com/gsoft-inc/craco

Weekly Downloads

385,002

Version

6.4.3

License

Apache-2.0

Unpacked Size

111 kB

Total Files

41

Issues

46

Pull Requests

1

Last publish



CRACO

npm v6.4.3 travis passing PRs welcome

downloads 1.3M/month

Create React App Configuration Override is an easy and comprehensible configuration layer for create-react-app.

Get all the benefits of create-react-app **and** customization without using 'eject' by adding a single configuration (e.g. `craco.config.js`) file at the root of your application and customize your eslint, babel, postcss configurations and many more.

All you have to do is create your app using [create-react-app](#) and customize the configuration file.

Support

- Create React App (CRA) 4.*
- Yarn
- Yarn Workspace
- NPM
- Lerna (with or without hoisting)
- Custom `react-scripts` version

Documentation

Related Articles

- [Using Ant Design in Sass-Styled Webpack Projects with `antd-scss-theme-plugin`](#)
- [How to Customize Ant Design with React & Webpack... the Missing Guide](#)
- [Theming Ant Design with Sass and Webpack](#)
- [Using Sass/Scss with React App \(create-react-app\)](#)
- [Dynamic Theming in Browser using Ant Design](#)
- [Zero config custom theme generator](#)



Other alternate
of overriding the
color using
webpack

EXPLORER

B2B-WEBAPP WITH NPM CMD

.vscode

node_modules

public

src

Assets

Common

components

constants

locales

Pages

Route

Scss

services

store

utils

antd.css 9, U

JS App.js M

App.scss

App.test.js

JS BaseUrl.js

JS config.js

JS ga.js

JS i18n.js

index.css A

JS index.js 1, M

{ index.less A

index.scss M

JS serviceWorker.js

JS setupTests.js

test.css A

.env

.eslintignore

.eslintrc.js M

.gitignore

.prettierrc

craco.config.js A

less-watcher.config.json A

OUTLINE

TIMELINE

my-theme.less

JS variable-theme.js

JS default-theme.js

{ package.json M

{ less-watcher.config.json A

JS craco.config.js A

App.scss

JS App

src > # antd.css > [class^=ant-]::-ms-clear

1 [class^=ant-]::-ms-clear,

2 [class*= ant-]::-ms-clear,

3 [class^=ant-] input::-ms-clear,

4 [class*= ant-] input::-ms-clear,

5 [class^=ant-] input::-ms-reveal,

6 [class*= ant-] input::-ms-reveal {

7 display: none;

8 }

9 /* stylelint-disable property-no-vendor-prefix, at-rule-no-vendor-prefix */

10 html,

11 body {

12 width: 100%;

13 height: 100%;

14 }

15 input::-ms-clear,

16 input::-ms-reveal {

17 display: none;

18 }

19 *

20 *::before,

21 *::after {

22 box-sizing: border-box;

23 }

24 html {

25 font-family: sans-serif;

26 line-height: 1.15;

27 -webkit-text-size-adjust: 100%;

28 -ms-text-size-adjust: 100%;

29 -ms-overflow-style: scrollbar;

30 -webkit-tap-highlight-color: rgba(0, 0, 0, 0);

31 }

32 @-ms-viewport {

33 width: device-width;

34 }

35 body {

36 margin: 0;

37 color: rgba(0, 0, 0, 0.65);

38 font-size: 14px;

39 font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, 'Helvetica Neue', Arial, 'Noto Sans', sans-serif, 'Apple Color E

40 font-variant: tabular-nums;

41 line-height: 1.5715;

42 background-color: #fff;

43 font-feature-settings: 'tnum';

44 }

45 [tabindex=-1]:focus {

46 outline: none !important;

47 }

after
compile

Messages can be seen only by people in the call and are deleted when the call ends.

2mins

Gopi Suresh Akula 19:05

```
@import "~antd/dist/antd.less";
```

```
@bc-primary-color: #5a75f6;
```

```
@bc-secondary-color: #3c5ad2;
```

```
@bc-image-gradient-one: #5a75f6;
```

```
@bc-image-gradient-two: #3c5ad2;
```

```
@bc-prominent-colour: #111734;
```

```
@bc-dark-shades: #333f52;
```

```
@bc-icon-colour: #c5d0de;
```

Send a message to everyone



Step 4 - Modify package.json

On the `script` part of `package.json`, we will use `react-app-rewired` instead of `react-scripts`:

these is a Another way of using

```
13      14      "scripts": {  
14      -      "start": "react-scripts start",  
15      -      "build": "react-scripts build",  
16      -      "test": "react-scripts test",  
15      +      "start": "react-app-rewired start",  
16      +      "build": "react-app-rewired build",  
17      +      "test": "react-app-rewired test",  
17      18      "eject": "react-scripts eject"  
18      19  },
```

we can
achieve our
Goal in
these Way
also

NOTE: DO NOT USE THE FOLLOWING COMMANDS

First we should modify `src/App.css` to `src/App.less` , then import less file instead.

```
/* src/App.js */  
- import './App.css';  
+ import './App.less';
```

Application motham .css extends must be
replace with .less extends a
or
what

```
/* src/App.less */  
- @import '~antd/dist/antd.css';  
+ @import '~antd/dist/antd.less';
```

ConfigProvider.config({theme: {}})

These are the API we can use in ConfigProvider.config

Property	Description	Type	Default	Version
autoInsertSpaceInButton	Set			
componentSize	Component size			
csp	Set			
direction	Set			
dropdownMatchSelectWidth	Default dropdown width. <code>match</code> will disable virtual scroll			
form	Set Form common props	<code>{ validateMessages?: ValidateMessages, requiredMark?: boolean optional }</code>	-	requiredMark: 4.8.0
getPopupContainer	To set the container of the popup element. The default is to create a <code>div</code> element in <code>body</code>	<code>function(triggerNode)</code>	<code>() => document.body</code>	
getTargetContainer	Config Affix, Anchor scroll target container	<code>() => HTMLElement</code>	<code>() => window</code>	4.2.0
iconPrefixCls	Set icon prefix className (cooperated with <code>@iconfont-css-prefix</code>)	<code>string</code>	<code>anticon</code>	4.11.0
input	Set Input common props	<code>{ autoComplete?: string }</code>	-	4.2.0
locale	Language package setting, you can find the packages in antd/lib/locale	<code>object</code>	-	
pageHeader	Unify the ghost of PageHeader, ref PageHeader	<code>{ ghost: boolean }</code>	<code>true</code>	
prefixCls	Set prefix className (cooperated with <code>@ant-prefix</code>)	<code>string</code>	<code>ant</code>	
renderEmpty	Set empty content of components. Ref Empty	<code>function(componentName: string):</code>		

▼ less-loader

- quick start

- optional

 - lessOptions

 - additionalData

 - sourceMap

 - webpackImporter

 - implementation

- Example

 - normal usage

 - Source maps

 - Production Environment

 - import

 - plugin

 - Extract style

 - CSS modules trap

- contribute

```
use: [
  'style-loader',
  'css-loader',
  {
    loader: 'less-loader',
    options: {
      implementation: require.resolve('less'),
    },
  },
],
},
],
},
};
```

Example

normal usage

Concatenate `less-loader` and to apply all styles to the DOM at once. `css-loader` s

```
const CracoLessPlugin = require('craco-less');
```

```
module.exports = {
```

```
  plugins: [
```

```
    {
```

```
      plugin: CracoLessPlugin,
```

```
      options: {
```

```
        lessLoaderOptions: {
```

```
          lessOptions: {
```

```
            modifyVars: { '@primary-color': '#1DA
```

```
            javascriptEnabled: true,
```

```
          },
```

```
        },
```

```
      },
```

```
    ],
```

```
  ],
```

```
};
```

imports loader

less-loader

quick start

optional

lessOptions

additionalData

sourceMap

webpackImporter

implementation

Example

normal usage

Source maps

Production Environment

import

plugin

Extract style

CSS modules trap

contribute

```
use: [  
  'style-loader',  
  'css-loader',  
  {  
    loader: 'less-loader',  
    options: {  
      implementation: require.resolve('less'),  
    },  
  },  
],  
},  
],  
},  
},  
};
```

Example

normal usage

Concatenate `less-loader`, and to apply all styles to the DOM at once. `css-`

```
1 import { store, persistor } from "../src/store/store";
2 // import "../test.less";
3 ConfigProvider.config({
4   theme: {
5     // primaryColor: "#5db9",
6     // primaryColorhover: "white",
7     // primaryColorActive: "green",
8     // primaryColorOutline: "red"
9     // "ant-primary-color": "green"
10    // errorColor : "red"
11    // infoColor
12    // processingColor
13    // successColor
14    // warningColor
15    // borderRadiusBase: '5px',
16    // fontSizeBase: '14px'
17  },
18 });
19 ReactDOM.render(
20   <>
21     <Provider store={store}>
22       <PersistGate loading={null} persistor={persistor}>
23         <App />
24       </PersistGate>
25     </Provider>
26   </>,
27   document.getElementById("root"),
28 );
29
```

You, 2 minutes ago • Uncom

```
styles > {} main.less > ...
```

```
@import "../../../node_modules/antd/dist//antd.css";
```

```
@import "../../../node_modules/antd/lib/style/themes/variable.less";
```

```
@import "../../../node_modules/antd/lib/style/themes/default.less";
```

```
@primary-color: #ff4acd;
```

```
@link-color: #ff4acd;
```


CRACO stands for **Create-React-App Configuration Override**. It is implemented as an easy way to override create-react-app configuration without mastering Webpack or ejecting. 24-Aug-2021



Search



Home



My Network



Jobs



Messaging



Notifications



Me ▼



Work ▼

Try Premium f
free

webpack knowledge. IN this article, I will show how to use Microfrontends with create-react-app without eject using CRACO.

What is CRACO:

CRACO stands for Create React App Configuration Override. It is implemented as an easy way to override create-react-app configuration without mastering Webpackor ejecting.



Search



Home



My Network



Jobs



Messaging



Notifications



Me



Work

```
"build": "craco build",  
"test": "craco test",
```

This way, CRACO will update webpack.config.js with the configuration at craco.config.js before running react-scripts.

Now, let's run the project and make sure everything works fine:

```
yarn run start
```

```
MFE-CRACO-MODULEFED... craco1 > .env  
1 SKIP_PREFLIGHT_CHECK=true
```

Activate V
Go to Settings

FileEditorSelectionViewGoRunTerminalHelp

index.js - b2b-webapp with npm cmd - Visual Studio Code

EXPLORER

B2B-WEBAPP WITH NPM CMD

- constants
- locales
- Pages
- Route
- Scss
- services
- store
- styles
 - antd.css
 - main.less
- utils
- antd.css
- App.js
- App.scss
- App.test.js
- BaseUrl.js
- config.js
- ga.js
- i18n.js
- index.css
- index.js
- index.less
- index.scss
- serviceWorker.js
- setupTests.js
- test.css
- .env
- .eslintignore
- .eslintrc.js
- .gitignore
- .prettiignore
- .prettierrc
- craco.config.js
- less-watcher.config.json
- main.less
- package-lock.json
- package.json

OUTLINE

TIMELINE

JS index.js M X .env default.less ...\themes LICENSE antd.variable.less variable.less ...style variable.less ...themes

src > JS index.js > ...

You, seconds ago | 3 authors (You and others)

```
1 import React from "react";
2 import ReactDOM from "react-dom";
3 // import 'antd/dist/antd.css';
4 import './index.scss';
5 import App from './App';
6 import './i18n';
7 import { ConfigProvider, Button } from "antd";
8 import { Provider } from "react-redux";
9 import { PersistGate } from "redux-persist/integration/react";
10 import { store, persistor } from '../src/store/store';
11 import './antd.css';
12 // import './test.less';
13 ConfigProvider.config({
14   theme: {
15     // primaryColor: "#5db9",
16     // primaryColorhover: "white",
17     // primaryColorActive: "green",
18     // primaryColorOutline: "red"
19     // "ant-primary-color": "green"
20     // errorColor : "red"
21     // infoColor
22     // processingColor
23     // successColor
24     // warningColor
25     //   borderRadiusBase: '5px',
26     //   fontSizeBase: '14px'
27   },
28 });
29 ReactDOM.render(
30   <>
31     <Provider store={store}>
32       <PersistGate loading={null} persistor={persistor}>
33         <App />
34       </PersistGate>
35     </Provider>
36   </>,
37   document.getElementById("root"),
38 );
```

master* 51.01 0 18 Initializing JS/TS language features

You, seconds ago In 11 Col 21 Spaces

File Edit Selection View Go Run Terminal Help antd.css - b2b-webapp with npm cmd - Visual Studio Code

EXPLORER

- B2B-WEBAPP WITH NPM CMD
 - constants
 - locales
 - Pages
 - Route
 - Scss
 - services
 - store
 - styles
 - antd.css A
 - main.less M
 - utils
- App.js M
- App.scss
- App.test.js
- BaseUrl.js
- config.js
- ga.js
- i18n.js
- index.css A
- index.js M
- index.less A
- index.scss M
- serviceWorker.js
- setupTests.js
- test.css A
- .env
- .eslintignore
- .eslintrc.js M
- .gitignore
- .prettierrc
- .prettierrc
- craco.config.js A
- less-watcher.config.json A
- main.less U
- package-lock.json M
- package.json M

src > # antd.css > html

```
1 [class^=ant-]::-ms-clear,
2 [class*= ant-]::-ms-clear,
3 [class^=ant-] input::-ms-clear,
4 [class*= ant-] input::-ms-clear,
5 [class^=ant-] input::-ms-reveal,
6 [class*= ant-] input::-ms-reveal {
7   display: none;
8 }
9 /* stylelint-disable property-no-vendor-prefix, at-rule-no-vendor-prefix */
10 html,
11 body {
12   width: 100%;
13   height: 100%;
14 }
15 input::-ms-clear,
16 input::-ms-reveal {
17   display: none;
18 }
19 *,
20 *::before,
21 *::after {
22   box-sizing: border-box;
23 }
24 html {
25   font-family: sans-serif;
26   line-height: 1.15;
27   -webkit-text-size-adjust: 100%;
28   -ms-text-size-adjust: 100%;
29   -ms-overflow-style: scrollbar;
30   -webkit-tap-highlight-color: rgba(0, 0, 0, 0);
31 }
32 @-ms-viewport {
33   width: device-width;
34 }
35 body {
36   margin: 0;
37   color: rgba(0, 0, 0, 0.65);
38   font-size: 14px;
39   font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, 'Helvetica Neue', Arial, 'Noto Sans', sans-serif, 'A
40   font-variant: tabular-nums;
41   line-height: 1.5715;
42   background-color: #fff;
43   font-feature-settings: 'tnum';
44 }
45 [tabindex=-1]:focus {
46   outline: none; important;
```

```
import { ConfigProvider } from 'antd';

// ...

export default () => (
  <ConfigProvider direction="rtl">
    <App />
  </ConfigProvider>
);
```

here we can use only the API
provide in the Antd
Documentation and we cannot
replace all antd Colors in
these config Obj

```
/* package.json */
"scripts": {
  - "start": "react-scripts start",
  - "build": "react-scripts build",
  - "test": "react-scripts test",
  + "start": "craco start",
  + "build": "craco build",
  + "test": "craco test",
}
```

in the Carco config, we can use all the
a-z color of antd and can easily
override them

File Edit Selection View Go Run Terminal Help main.less - b2b-webapp with npm cmd - Visual Studio Code

EXPLORER

B2B-WEBAPP WITH NPM CMD

- > Assets
- > Common
- > components
- > constants
- > locales
- > Pages
- > Route
- > Scss
- > services
- > store
- > utils
- # antd.css 9, U
- JS App.js M
- App.scss
- JS App.test.js
- JS BaseUrl.js
- JS config.js
- JS ga.js
- JS i18n.js
- # index.css A
- JS index.js 1, M
- { index.less A
- { index.scss M
- JS serviceWorker.js
- JS setupTests.js
- # test.css A
- .env
- .eslintignore
- .eslinttrc.js M
- .gitignore
- .prettierrc
- JS craco.config.js A
- { less-watcher.config.json A
- { main.less U
- { package-lock.json M
- { package.json M

main.less

```
{ main.less > ...
1 // @import 'node_modules/antd/dist/antd.less';
2 @import 'node_modules/antd/dist/antd.less';
3 @primary-color: #CA6027; // primary color for all components
4 @link-color: #5C987A; // link color
5 @success-color: #52c41a; // success state color
6 @warning-color: #faad14; // warning state color
7 @error-color: #f5222d; // error state color
8 @font-size-base: 14px; // major text font size
9 @heading-color: rgba(0, 0, 0, 0.85); // heading text color
10 @text-color: rgba(0, 0, 0, 0.65); // major text color
11 @text-color-secondary: rgba(0, 0, 0, 0.45); // secondary text color
12 @disabled-color: rgba(0, 0, 0, 0.25); // disable state color
13 @border-radius-base: 15px; // major border radius
14 @border-color-base: #d9d9d9; // major border color
15 @box-shadow-base: 0 2px 8px rgba(0, 0, 0, 0.15); // major shadow for layers
```

PROBLEMS (10) OUTPUT DEBUG CONSOLE TERMINAL

Microsoft Windows [Version 10.0.19042.1466]
(c) Microsoft Corporation. All rights reserved.

D:\dev2prod\b2b-webapp with npm cmd>lessc main.less src/antd.css
SyntaxError: Inline JavaScript is not enabled. Is it set in your options? in D:\dev2prod\b2b-webapp with npm cmd\node_modules\antd\lib\style\color\bezierEasing.less on line 110, column 1:
109 // https://github.com/ant-design/ant-motion/issues/44
110 bezierEasing(t);
111

D:\dev2prod\b2b-webapp with npm cmd>lessc main.less src/antd.css --js

D:\dev2prod\b2b-webapp with npm cmd>yarn start
yarn run v1.22.11
\$ react-scripts start
[]

Activate Windows
Go to Settings to activate Windows.



4



CRA (Create React App) by default supports only `SASS` and `CSS` if you want to use `LESS` you need to do `npm run eject` first and then modify `webpack` configs.

However there is a way to do that w/o ejecting tho I have to say I personally prefer ejecting. You can find instructions [here](#)

Share Edit Follow

answered Sep 1 '19 at 23:03



Edward Chopuryan

185 ● 8

Add a comment