



链滴

VUE 和 React 混用导致 TSX 报错的原因

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来源网站: [链滴](#)

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I tried a demo in an existing project. This project is not a pure React project, and I'm not very familiar with React.

I created a TSX file with the code as follows:

```
import toast, { Toaster } from 'react-hot-toast';
import * as React from "react";
import * as ReactDOM from "react-dom/client";

export class HotToast {
  public readonly root: any;
  constructor(props: {
    id: string;
  }) {
    this.root = ReactDOM.createRoot(document.getElementById(props.id));
    this.root.render(<><Toaster /></>);
  }

  public alert(message: string, options?: any) {
    toast(message, options);
  }
}
```

Then an error is reported, and the information is shown in the figure:



```
import toast, { Toaster } from 'react-hot-toast';
import * as React from "react";
import * as ReactDOM from "react-dom/client";

export class HotToast {
  public readonly root: any;
  constructor(props: {
    id: string;
  }) {
    this.root = ReactDOM.createRoot(document.getElementById(props.id));
    this.root.render(<><Toaster /></>);
  }

  public alert(message: string, options?: any) {
    toast(message, options);
  }
}
```

I tried modifying the `index.d.ts` file for `react-hot-toast` to declare `const Toaster: react.FC<ToasterProps>`; Comment out, change to:

```
// declare const Toaster: react.FC<ToasterProps>;
declare const Toaster: React;
```

The error disappeared, and it can be used normally in my project, everything goes well. But I think this is not elegant, so how can I write a non-error code without modifying the `react-hot-toast` code? I wrote in accordance with the official example.

Here are some of my `package.json` information:

```
"devDependencies": {
  "@babel/core": "^7.20.12",
  "@babel/plugin-transform-runtime": "^7.19.6",
  "@babel/preset-env": "^7.20.2",
  "@babel/preset-react": "^7.18.6",
```

```
"@babel/preset-typescript": "^7.18.6",
"@babel/runtime": "^7.20.13",
"@types/react": "^18.0.27",
"@types/react-dom": "^18.0.10",
"@typescript-eslint/eslint-plugin": "^5.50.0",
"@typescript-eslint/parser": "^5.50.0",
"eslint": "^8.33.0",
"eslint-plugin-react": "^7.32.2",
"eslint-plugin-react-hooks": "^4.6.0",
"react": "18.2.0",
"react-dom": "18.2.0",
"ts-loader": "^9.4.2",
"typescript": "^4.9.5",
"webpack": "^5.75.0",
"webpack-bundle-analyzer": "^4.5.0",
"webpack-cli": "^5.0.1"
},
"dependencies": {
  "react-hot-toast": "^2.4.0"
}
```

And `tsconfig.json` information:

```
{
  "compilerOptions": {
    "noImplicitAny": false,
    "strict": false,
    "forceConsistentCasingInFileNames": true,
    "isolatedModules": true,
    "resolveJsonModule": true,
    "skipLibCheck": true,
    "experimentalDecorators": true,
    "allowSyntheticDefaultImports": false,
    "module": "commonjs",
    "target": "es6",
    "jsx": "react-jsxdev",
    "lib": ["ES2022", "DOM", "DOM.Iterable"],
    "outDir": "./dist/",
    "typeRoots": [
      "./node_modules/@types"
    ],
    "types": [
      "./src/types",
      "node"
    ]
  },
  "include": [
    "src"
  ],
  "exclude": [
    "node_modules"
  ],
}
```

我已找到罪魁祸首：

```
TS index.d.ts ...\types TS index.d.ts ...\dist _menu.scss TS index.ts ...\sillot react-music-player.tsx 1, U TS runtime-dom.d.ts
app > node_modules > .pnpm > registry.npmirror.com+@vue+runtime-dom@3.2.45 > node_modules > @vue > runtime-dom > dist > TS runtime-dom.d.ts > { } global
1497
1498 declare global {
1499   namespace JSX {
1500     interface Element extends VNode {}
1501     interface ElementClass {
1502       $props: {}
1503     }
1504     interface ElementAttributesProperty {
1505       $props: {}
1506     }
1507     interface IntrinsicElements extends NativeElements {
1508       // allow arbitrary elements
1509       // @ts-ignore suppress ts:2374 = Duplicate string index signature.
1510       [name: string]: any
1511     }
1512     interface IntrinsicAttributes extends ReservedProps {}
1513   }
1514 }
1515
```

The official example reports an error · Issue #267 · timolins/react-hot-toast (github.com)