Compress images in React: React Image File Resize

#react #compression

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Jul 30, 2020 *Originally published at* *blog.bywachira.com* • *Updated on Nov 18, 2020* • 2 min read

Compression on Client (3 Part Series)

1	Compress images in React: Browser Image Compression Libary
2	**Compress images in React: React Image File Resize**
3	What is lossy and lossless compression

Okay for this one I highly recommend, the speeds is just amazing. I loved it. I am gonna do a comparison real quick, between `browser-image-compression` and `react-image-file-resizer`.

`browser-image-compression`	`react-image-file-resizer`
Really fast	Compressed the same took a while
Quality option on the config	Only offers size limit
Return `base64` or `Blob`	Returns `Blob` only do the conversion yourself
No need to handle Promise	Must handle Promise
Specify compress format (png, webp, jpeg)	The compress format provided is the one returned

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```
width -> 480px
height -> 480px
file format -> Set to JPEG
quality -> 50
rotation -> 0
```

Actual size: 1.6mb

[(Click here)](#)
Click on the link its a huge image and I just want the load time for this blog to be faster.

Compressed size: 16.3kb

Let's jump into how you can plug it into your React app

React Image File Resizer

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```
yarn add react-image-file-resizer
```

1. Create your react component

```
import React from "react";

// ...

class App extends React {
  // ...
  render() {
    return (
      <div className="App">
        // ...
        <h3>React Image File Resizer</h3>
        <br />
        <input
          type="file"
          id="file"
          accept="image/*"
          onChange={this.onFileResize}
        />
      </div>
    );
  }
}
```

1. Start compressing

```
...
import Compress from "react-image-file-resizer";

...
onFileResize = e => {
    const file = e.target.files[0];

Compress.imageFileResizer(
  file, // the file from input
  480, // width
  480, // height
  "JPEG", // compress format WEBP, JPEG, PNG
  70, // quality
```

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```
      // You upload logic goes here
    },
    "base64" // blob or base64 default base64
  );
  }
```
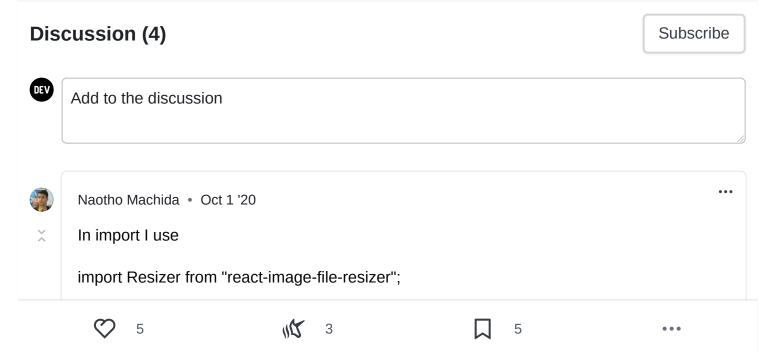
Again I highly recommend this library especially because it supports compressing to `WEBP` (files of this format are really fast).
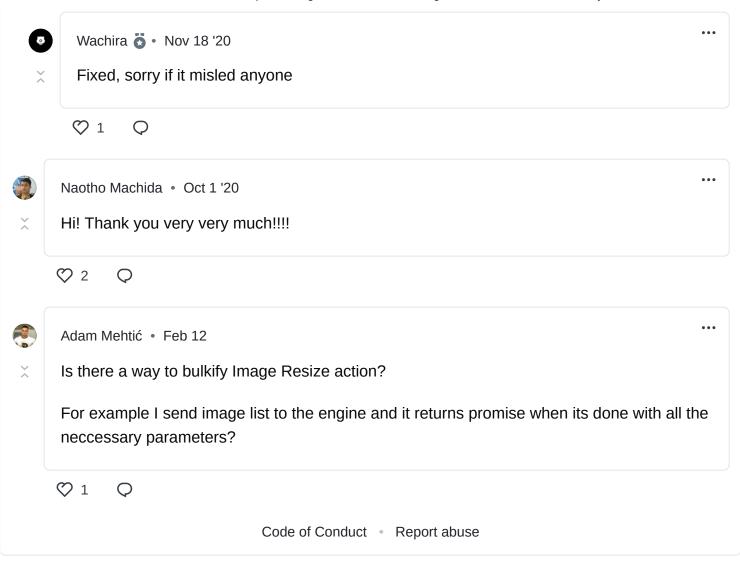
> **Note**: Set quality to 100 if you want to compress to PNG/WEBP(Lossless) else set the compress format to JPEG(Lossy)

Next

We will cover understanding **Lossy** and **Lossless** compression.

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Naotho Machida • Oct 1 '20

In import I use

import Resizer from "react-image-file-resizer";

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Wachira 🏅 • Nov 18 '20

Fixed, sorry if it misled anyone

♡ 1   💬

Naotho Machida • Oct 1 '20

Hi! Thank you very very much!!!!

♡ 2   💬

Adam Mehtić • Feb 12

Is there a way to bulkify Image Resize action?

For example I send image list to the engine and it returns promise when its done with all the neccessary parameters?

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