

Forum:[Hack Forums](#)

Thread: [JavaScript / HTML - render Base64 .pdf file in HTML](#)

AreWeReal - April 4, 2020, 3:44 am

Hello!

I have researched all over the internet about this particular problem I stumbled upon and I couldn't find any working solution.

I'm working on some project and there will be a feature that allows users to see .pdf files in their web app.

I receive those .pdf files encoded as base64 files.

How can I possibly render those files in HTML?

I found some kind of a solution here: github.com/mozilla/pdf.js/issues/8308

Though, it opens the .pdf in another tab. I need it rendered on the current page.

Nachfolger - April 4, 2020, 4:28 am

Open the PDF file in a iframe then. You need to use the btoa or atob function to decode the base64 string (I can't remember which function decodes).

Forget about using PDF.js bro, it's a waste of space when basically every browser comes with a native method to displaying the file. The only useful thing you could do is use PDF.js to turn the pdf into a canvas but I think that's a waste of time.

Blakee - April 4, 2020, 5:55 pm

(Apr 4, 2020 04:28 AM)Nachfolger Wrote: [\[CITE\]](#) Open the PDF file in a iframe then. You need to use the btoa or atob function to decode the base64 string (I can't remember which function decodes).

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Agreed, I would just display it in an IFrame, easiest solution there.

AreWeReal - April 5, 2020, 1:48 am

Thank you guys! :)

So, as a src property, I just add atob of a base64?

I'll give it a try.

Nachfolger - April 5, 2020, 6:13 am

(Apr 5, 2020 01:48 AM)AreWeReal Wrote: [\[CITE\]](#) Thank you guys! :)

So, as a src property, I just add atob of a base64?

I'll give it a try. Sorry, I was incorrect in my first post. You leave the string Base64 encoded.

See the example below

Code // Variables

```
let x = window.open("", '_blank', 'toolbar=0,location=0,menubar=0,width=900,height=792');  
let d = ""; // <<<<<<< this is the base64 encoded string
```

```
// Attributes
x.document.open();
x.document.write("<title>PDF Export</title><body style='margin: 0; overflow: hidden'><iframe
style='height: 100%; width: 100%; border: unset;' src='data:application/pdf;base64," + d +
"'></iframe></body>");
x.document.close();
```

This example opens a new window with the PDF in a Iframe element. You need a variant of this which uses an existing iframe on the page.

This would be your home page, or whatever.

Code <html>

```
...
<body>
...
<iframe id="pdf-iframe" src="" style="display: none"></iframe>
</body>
</html>
```

This would be the function that sets the PDF

```
Code function setPDF(data) {
    document.getElementById('pdf-iframe').src = "data:application/pdf;base64," + data;
    document.getElementById('pdf-iframe').style.display = "block";
}
```

AreWeReal - April 6, 2020, 2:22 am

(Apr 5, 2020 06:13 AM)Nachfolger Wrote: [\[CITE\]](#) Sorry, I was incorrect in my first post. You leave the string Base64 encoded.

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}
```

It works perfectly!!! Thank you a lot! ?

Just a hint, if anybody else will search for the solution. I had to bypass base64 attachment's Security Trust Resource URL before passing it as src.

Code this.base64attachment =

```
this.sanitizer.bypassSecurityTrustResourceUrl(response.attachment);
```

(Apr 6, 2020 02:22 AM)AreWeReal Wrote: [\[CITE\]](#) Code this.base64attachment =

```
this.sanitizer.bypassSecurityTrustResourceUrl(response.attachment);
```

Also, a note, I'm using response.attachment in this example because that's where I get my base64 code from... usually it would be a base64 code that you want to render.