

Pittsburgh TechFest

Intro to React

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What is React?

- React is a library for building user interfaces
- React makes no assumptions on the rest of the stack

Key Principles

- Renders on change of State
- Passing of Props
- HTML and JavaScript combined in the render function (each class needs one of these)
- One-Way data binding

Virtual DOM?

The Virtual DOM is an in-memory copy of the DOM, used to make DOM changes and parsing more performant (utilizing diffs).

This is not the same as the Shadow DOM utilized in Polymer and Web Components.

State

Where the data resides

Simple POJO

Change in state triggers a render call

JSX

Let's look at some code....

Routers?

Not built-in to the language

React-Router project fills in the gap nicely though.

Pros

- Rendering Speed
- Native Mobile (Native React)*
- Not tied to any framework
- Keeps components encased
- Easy to understand
- ES6 / Babel integration embraced by community

Cons

Rendering Engine only

Some find JSX files unwieldy

Honestly, there is not much to dislike about
React

Q&A

Please feel free to contact me if you have any additional questions.