

TypeScript REBIS

Reporter Andranik Barseghyan

Github <https://github.com/Rebiss/Presentation>

TS

- ✓ **JavaScript:**
 - **Dynamic Typed**
 - **Strongly-Typed Programming Language**
- ✓ **Languages That Compile to JavaScript**
- ✓ **TypeScript: TSx**
- ✓ **Code Example**

JavaScript

Is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm.

JS



The language is not for programmers.



1995. Netscape

Problems

- **Memory management(automatically)**
 - **Prototype Inheritance**
 - **Weakly typed (1+ [] // return '1')**
 - **Implicit typed (no instrument)**
 - **Dynamic type check**
 - **...**
- **Bad static analysis**
 - **Documentation**
 - **JSDoc**
 - **Refactoring**
 - **Code read-only**
 - **...**



**“Better to know
about a problem
with a rocket
before launching
it into space”**

Anders Hejlsberg



TypeScript



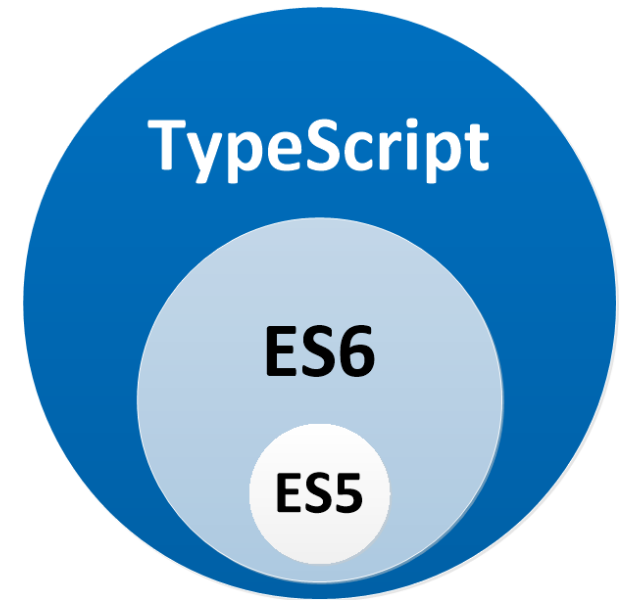
**“Depending on how much
the rocket costs”**

Languages That Compile to JavaScript



TypeScript

- ❑ JavaScript that scales.
- ❑ TypeScript is a typed superset of JavaScript that compiles to plain JavaScript.
- ❑ Static typing.
- ❑ Add type.



TypeScript Open Source Projects



nest



Vuetify 2.0



TS



PIXIJS




```
$ yarn global add typescript
```

```
$ tsc --init
```

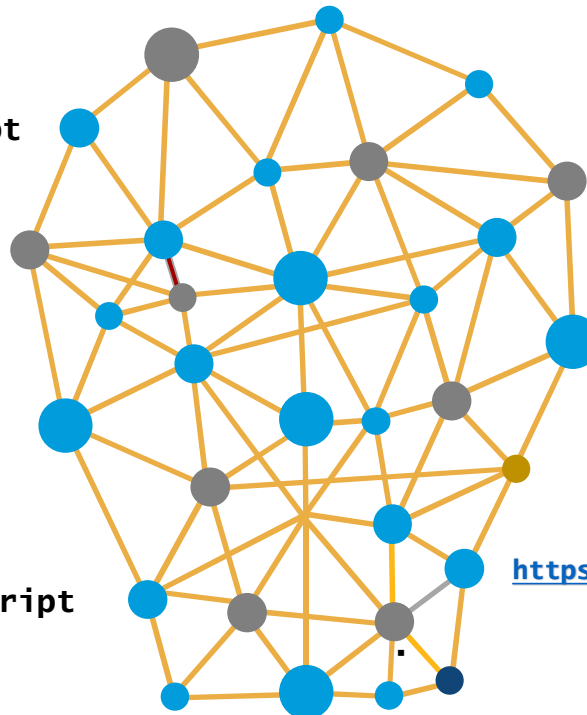
```
$ npx create-react-app my-typescript-app --typescript
```

<https://github.com/Rebiss/TSx>

<https://github.com/Rebiss/TSx/tree/master/src/Deep/React>

<https://github.com/Rebiss/TSx/tree/master/src/Deep/TypeScript>

code



THANKS!

