# Taking an Angular App to Production

**Joe Eames**
WEB DEVELOPER

@josepheames www.joeeames.me

# Agenda

**Linting**

- VS Code
- Command line

**Creating Builds**

- Build flags & the AOT

**Deploying**

**Optimistic module downloading**

# Linting

# Linting

Finding the “lint” in your code.

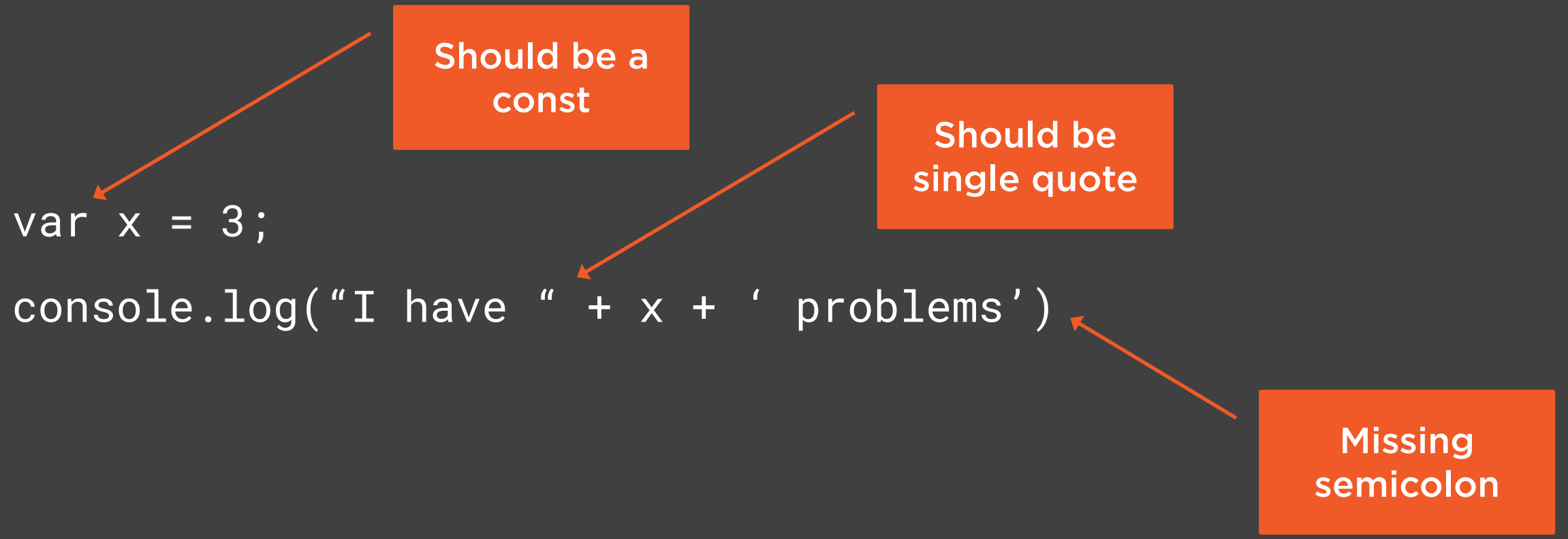
# What Is Linting Really?

**Pointing out and fixing potential problems**

**Mostly coding style changes**

- Missing semicolons
- Double vs. single quotes
- Long lines
- Etc.

# Linting in Action



# Benefits of Linting

- Consistency across your team
- Catching potential errors
- Automatic error fixes
- CI or commit hooks

# Other Considerations

**JavaScript vs. TypeScript**

**Prettier**

# Going to Production - Overview

# Building an Angular Application

```
ng build
```

# ng build Command

**Produces a deliverable code package**

**Production optimizations**

- Development mode off
- Bundling
- Minification
- Tree shaking
- Dead code elimination
- Asset inlining
- Executes AOT

# Minification

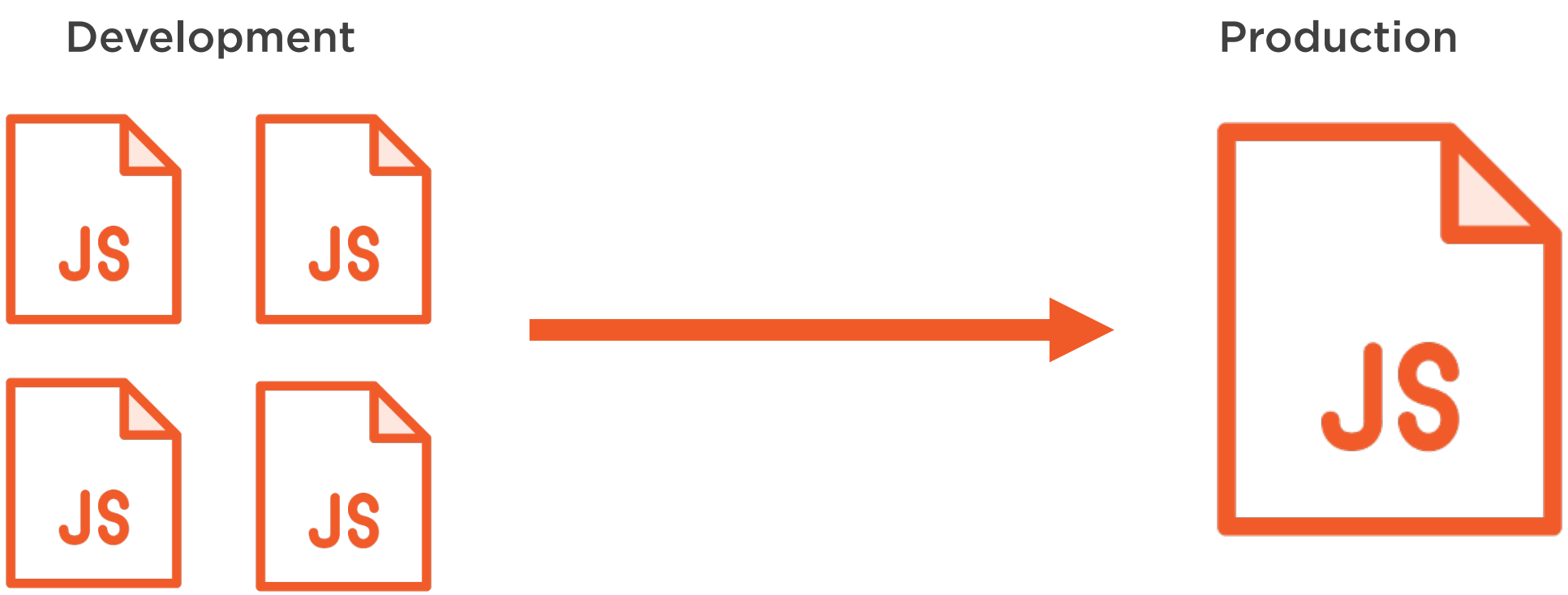
Source

```
export class orderService {

  addOrder(order) {
    ...
  }

  findOrder(id) {
    ...
  }

}
```

Service

```
export class orderService{add
Order(order){...}findOrder(id){
...}}
```

# Bundling



# Tree Shaking

**Calling Code**

```
...
userService.getUsers()
...
```

**Service**

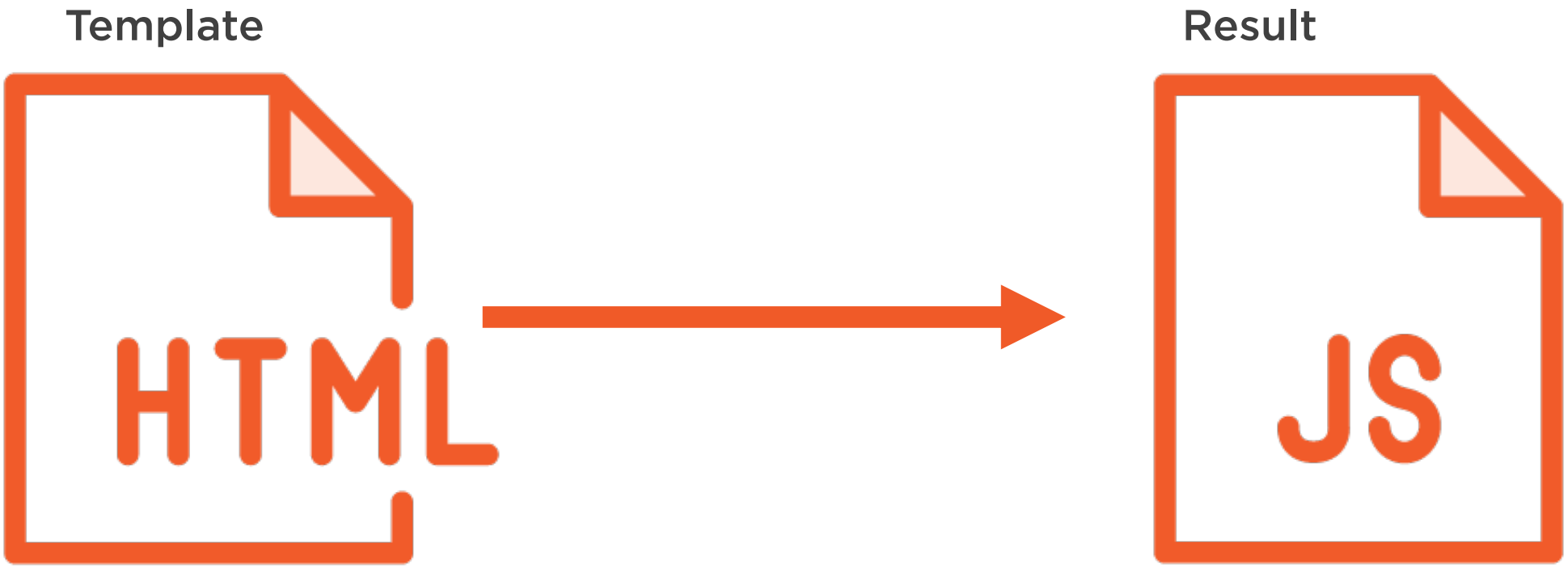
```
export class UserService {
  getUsers() {
    ...
  }

  getUser(id) {
    ...
  }
}
```

# Angular's Compiler

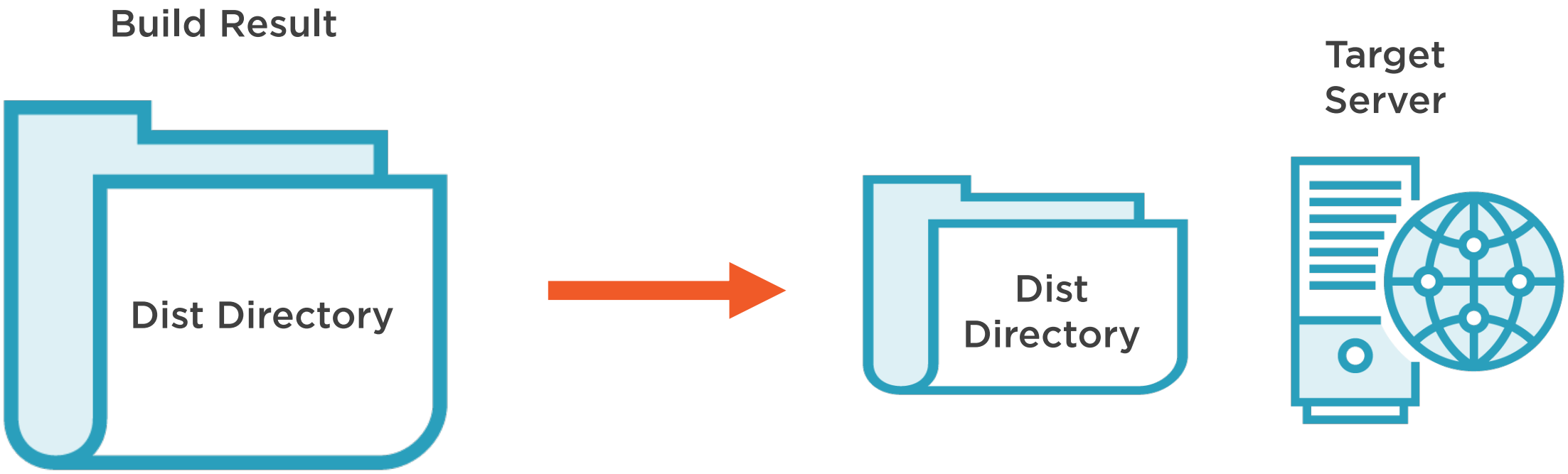
# Compiler Benefits

- Faster rendering
- Smaller Angular framework download
- Detect template errors
- Better security

# Compiling Templates



# Simple Copy Deployment



# Summary

Linting vs Prettier

Deployment is simple

Optimistic bundle download

# Thank You