



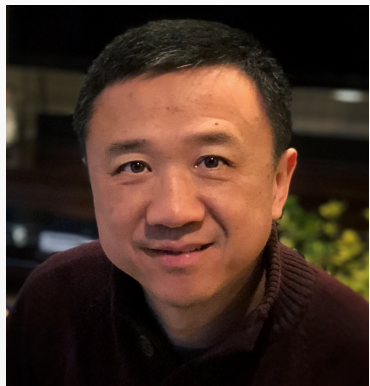
ngChina 2018

从 AngularJS 到 Angular

...

肖撼宇

AngularDoc



肖撼宇



AngularDoc创始人

杭州共驾科技



@xiao_hanyu



AngularDoc — 杭州共驾科技

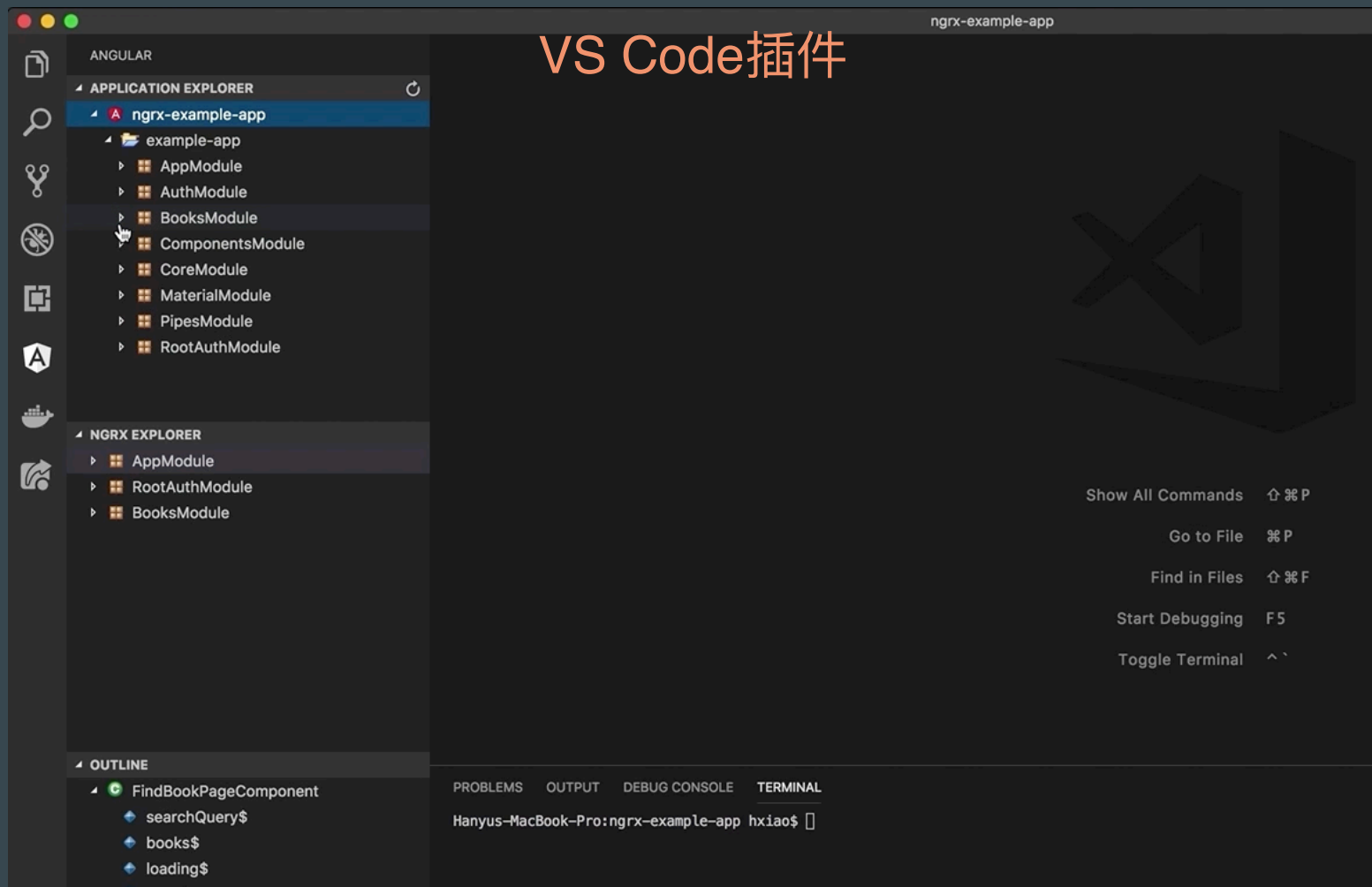


该二维码7天内(12月7日前)有效, 重新进入将更新

在加州硅谷二十多年的老码工，曾在思科和 TIBCO 等公司编写开发工具。以前是 Eclipse 插件的开发者，现在则是 Web 技术的忠实粉丝。

关于AngularDoc

- 对Angular 和 AngularJS 工程的静态分析
 - Module/component metadata
 - Module 和 component 的从属关系
 - 路由树
 - Component 依赖关系
- 代码生成 — **AngularJS迁移到Angular!**



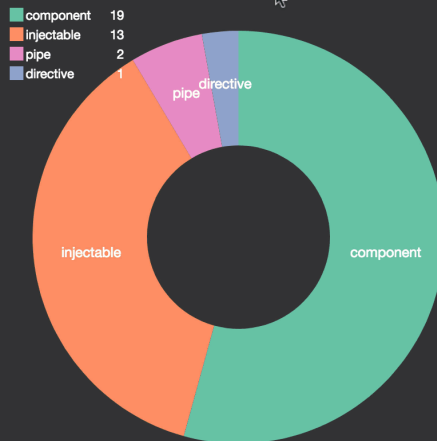


Angular-JumpStart

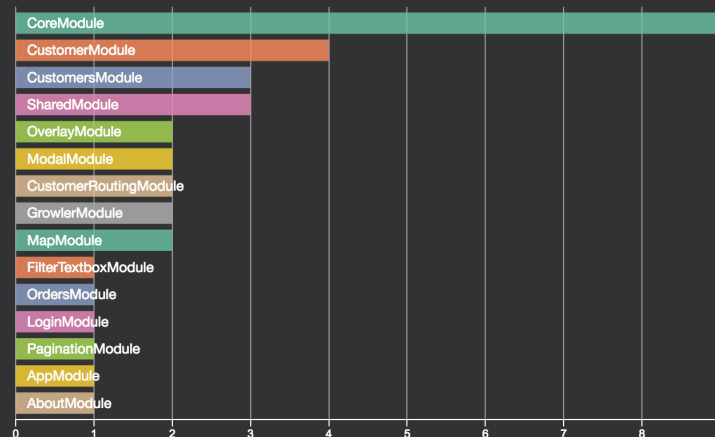
网页版

15
Modules35
Components72
Files

Components by Type



Components by Module (Top 30)



AboutModule

AboutComponent

AppModule

AppComponent

CoreModule

NavbarComponent

CustomerModule

 CustomerComponent
 CustomerDetailsComponent
 CustomerEditComponent
 CustomerOrdersComponent

CustomerRoutingModule

 CanActivateGuard
 CanDeactivateGuard

GrowlerModule

 GrowlerComponent
 GrowlerService

LoginModule

LoginComponent

MapModule

OrdersModule

OrdersComponent

OverlayModule

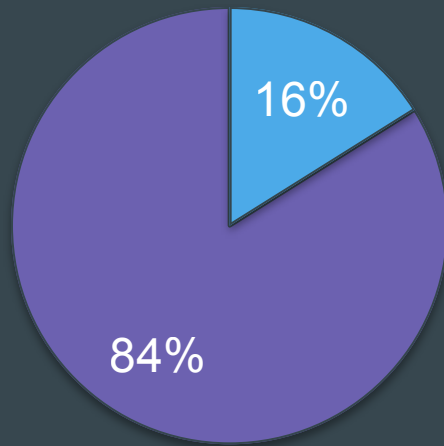
 OverlayComponent
 OverlayRequestResponseIntercep...

PaginationModule

AngularJS的现状

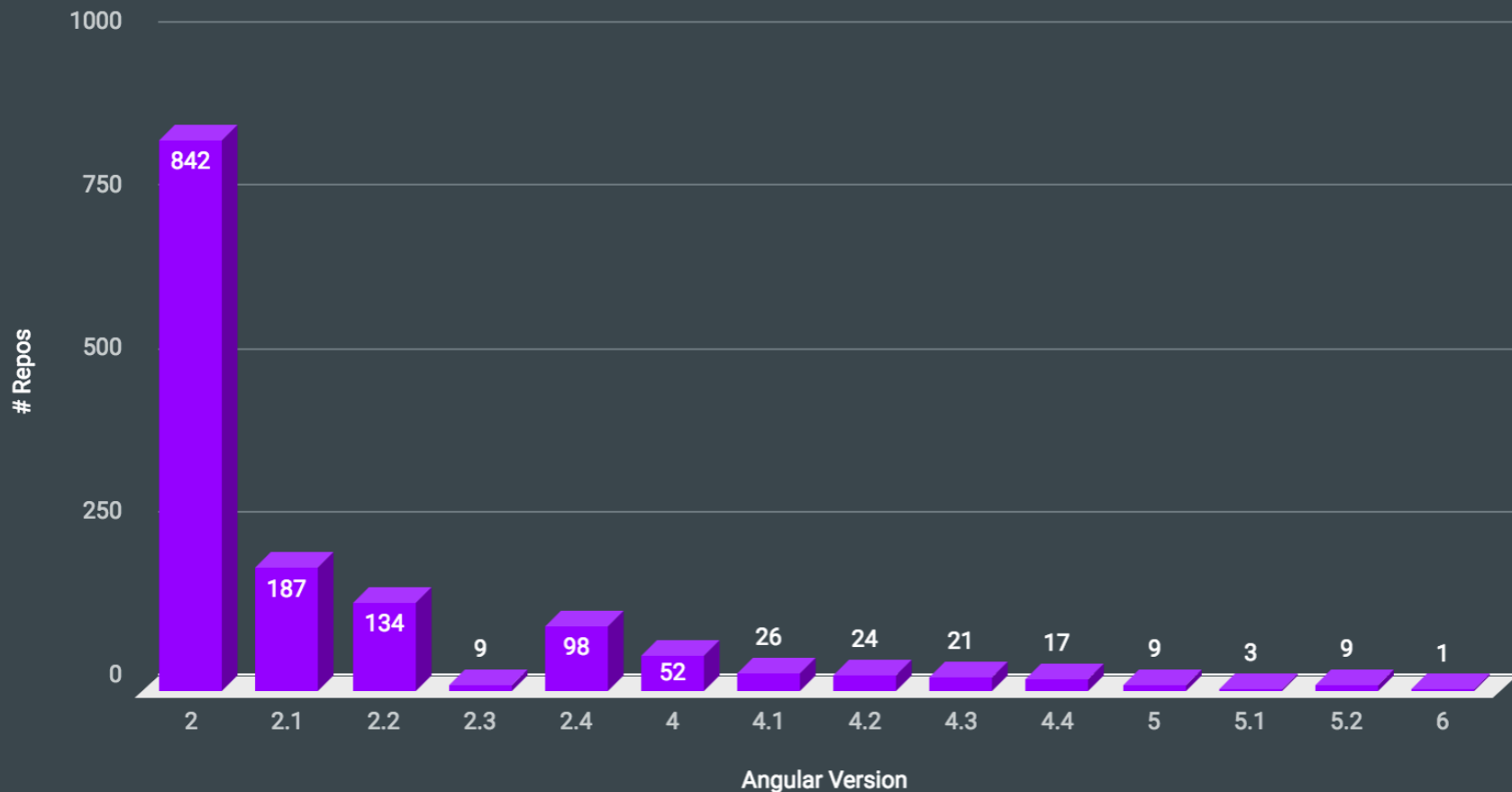
静态分析结果的数据集成

8800个 Angular 工程中,
1400个引用了
@angular/upgrade



六分之一的工程从AngularJS迁移?

GitHub repos that import @angular/upgrade



AngularJS工程迁移的痛点



计划

不清楚项目的规模
和模块之间的关系

Hybrid
工程的搭建

太多手动的配置
容易犯错

JS/HTML
代码的迁移

冗长的过程

Introducing Angular Copilot ...

Angular Copilot — AngularDoc的桌面版

- 内置的分析引擎 — 适用于闭源项目
- **AngularJS 工程** (v1.3 或以上)
- **为迁移定制的功能（付费）**

高级功能之一： 步骤向导搭建hybrid 工程

1

Copy AngularJS source files

This step will copy the AngularJS source code to the new project.

2

Configure the dependencies in package.json

This step will port the "dependencies" in bower.json (if there is one)

3

Configure 3rd party frameworks

With a single click, you can integrate the following client side frameworks

4

Configure scripts/styles/assets



Add global scripts, styles, and/or static assets to the build.

5

Create the upgrade shell

In this final step we will add UpgradeModule to the Angular app and

高级功能之二：依赖关系的显示和代码迁移

Components		
AngularJS	Angular	Dependencies
<div><div>+</div><div> phoneDetail</div></div>	<div>⬆ Upgrade</div>	<div>Phone</div>
<div><div>+</div><div> phoneList</div></div>	<div>⬆ Upgrade</div>	<div>Phone</div>

高级功能之三: Quick Fixes

```
.angular-cli.json  TS phone.service.ts  TS phone-list.component.ts  phone-list.component.html  phone-detail.component.html x
1  <div class="phone-images">
2    
3  </div>
4
5  <h1>{{ctrl.phone.name}}</h1>
6
7  <p>{{ctrl.phone.description}}</p>
8
9  <ul class="phone-thumbs">
10    <li ng-repeat="img in $ctrl.phone.images">
11      
12    </li>
13  </ul>
14
15  <ul class="specs">
16    <li>
17      <span>Availability and Networks</span>
18      <dl>
19        <dt>Availability</dt>
20        <dd ng-repeat="availability in $ctrl.phone.availability">{{availability}}</dd>
21      </dl>
22    </li>
23    <li>
24      <span>Battery</span>
25      <dl>
26        <dt>Type</dt>
27        <dd>{{ctrl.phone.battery.type}}</dd>
28        <dt>Talk Time</dt>
29        <dd>{{ctrl.phone.battery.talkTime}}</dd>
30        <dt>Standby time (max)</dt>
31        <dd>{{ctrl.phone.battery.standbyTime}}</dd>
32      </dl>
33    </li>
```

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33  </li>
```

Fix: Replace ng-src with [src]

Fix all: Remove '\$ctrl.'

Fix all: Replace ng-src with [src]

Fix all: Replace ng-repeat with *ngFor

Fix all auto-fixable problems

总结

- AngularJS工程的静态分析
- 搭建Hybrid工程的向导;
- 组件的代码生成和quick fix

演示。。。

更多信息

官网: <https://angulardoc.github.io>

演示视频: <https://youtu.be/mZ98ZEvVBVw>

开源Angular工程库: <https://angulardoc.org>

Twitter: @angulardocio

电邮: info@angulardoc.io

Upgrade Shell简介: <https://blog.nrwl.io/upgrading-angular-applications-upgrade-shell-4d4f4a7e7f7b?gi=53a7746f2fe7>

