更了不起的Node.js

从零开始构建一个Node.js Web框架(基于Koa 2.x)

i5ting:一个开源爱好者

StuQ明星讲师

Node.js布道者

空弦科技CTO

Cnodejs管理员



https://github.com/i5ting

以前 我们总是喜欢拿异步说事儿

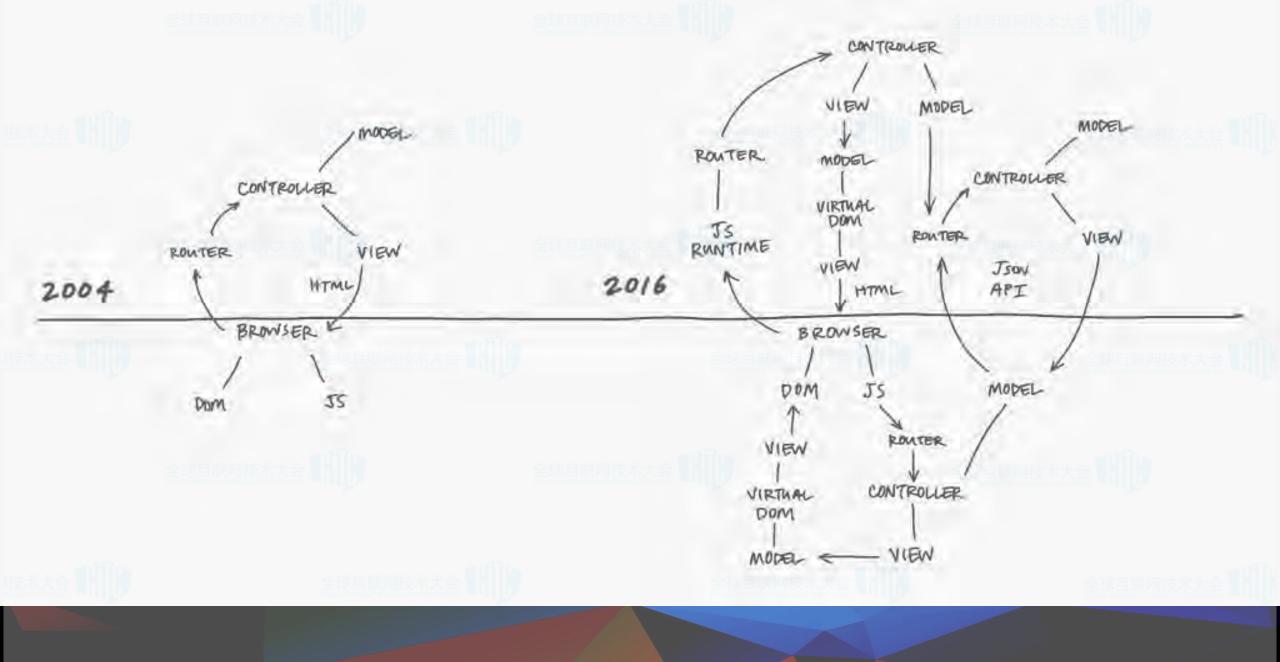
现在我们拿都小程序说事儿

除了性能 其他都是病?

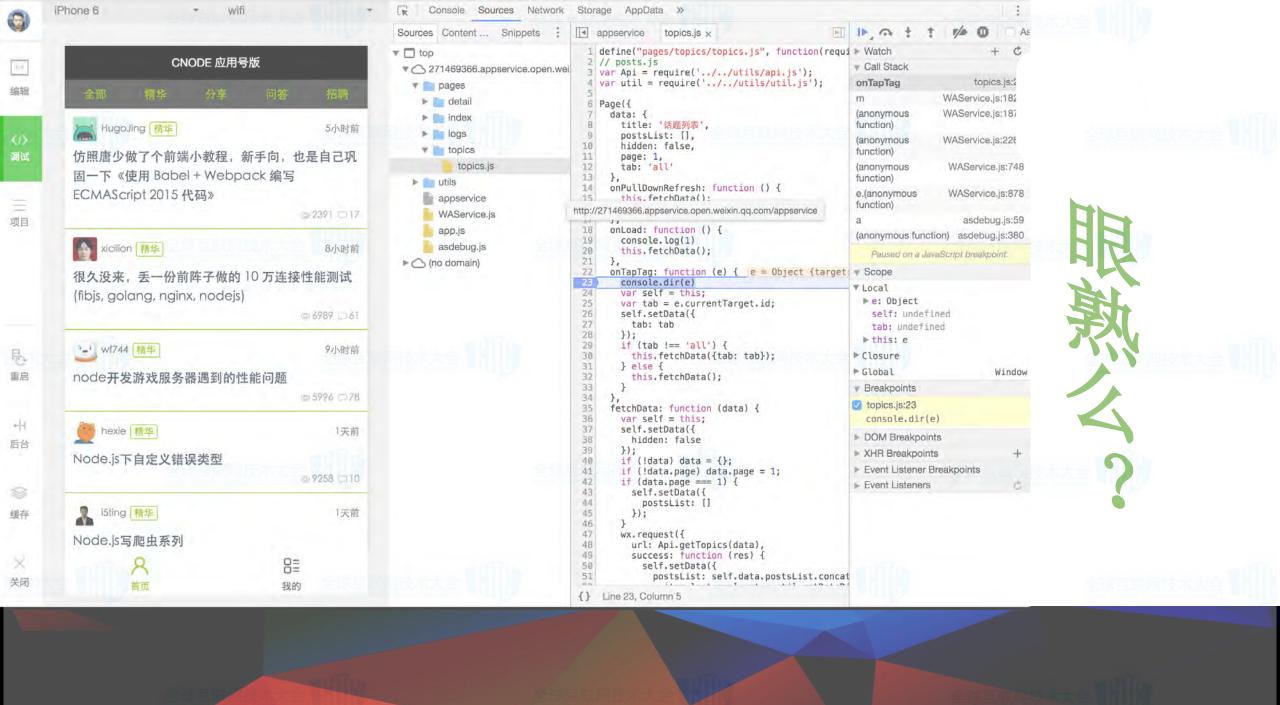
不按照流程办事,当然都是病

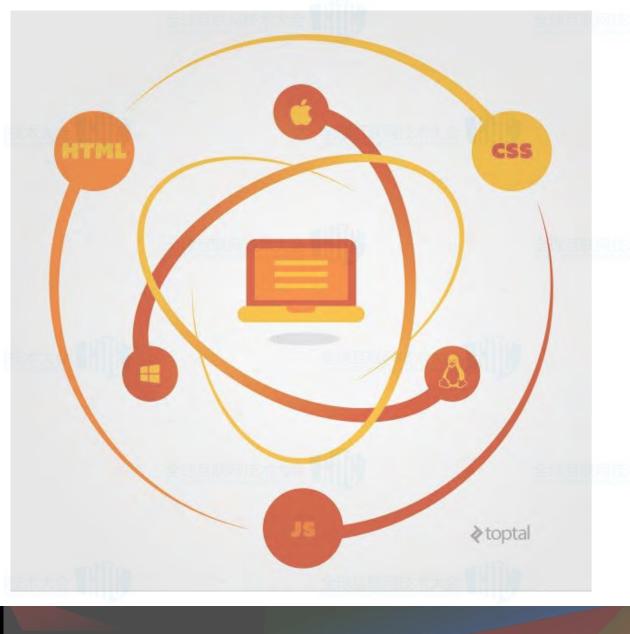
更了不起的Node.js

- 跨平台
- 无处不在的npm
- Async/await
- Koa 2.x
- 从零开始构建一个Node.js Web 框架





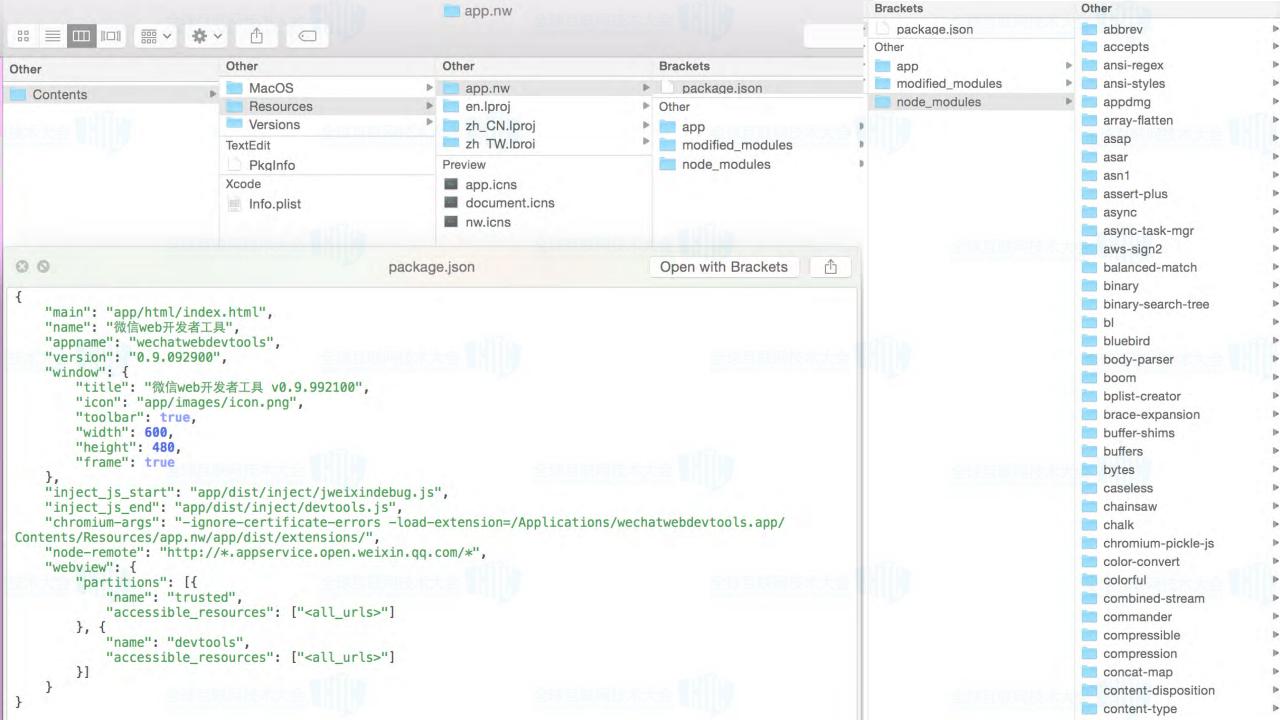


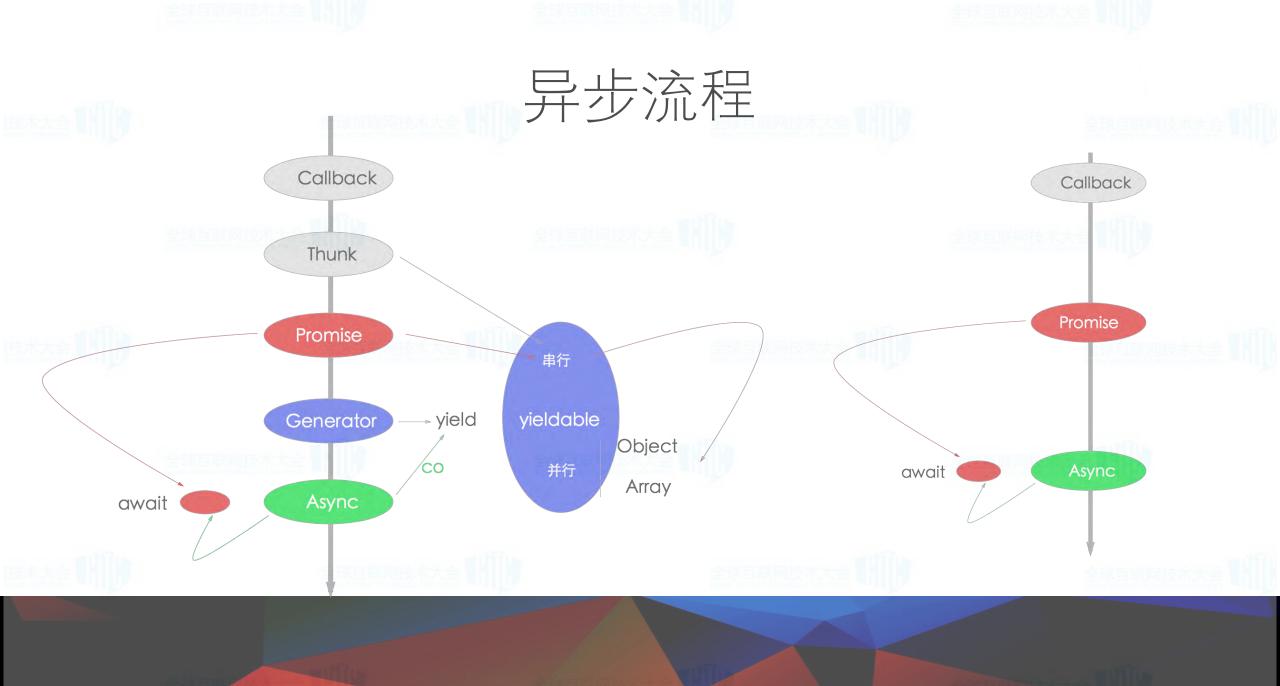






无处不在的npm



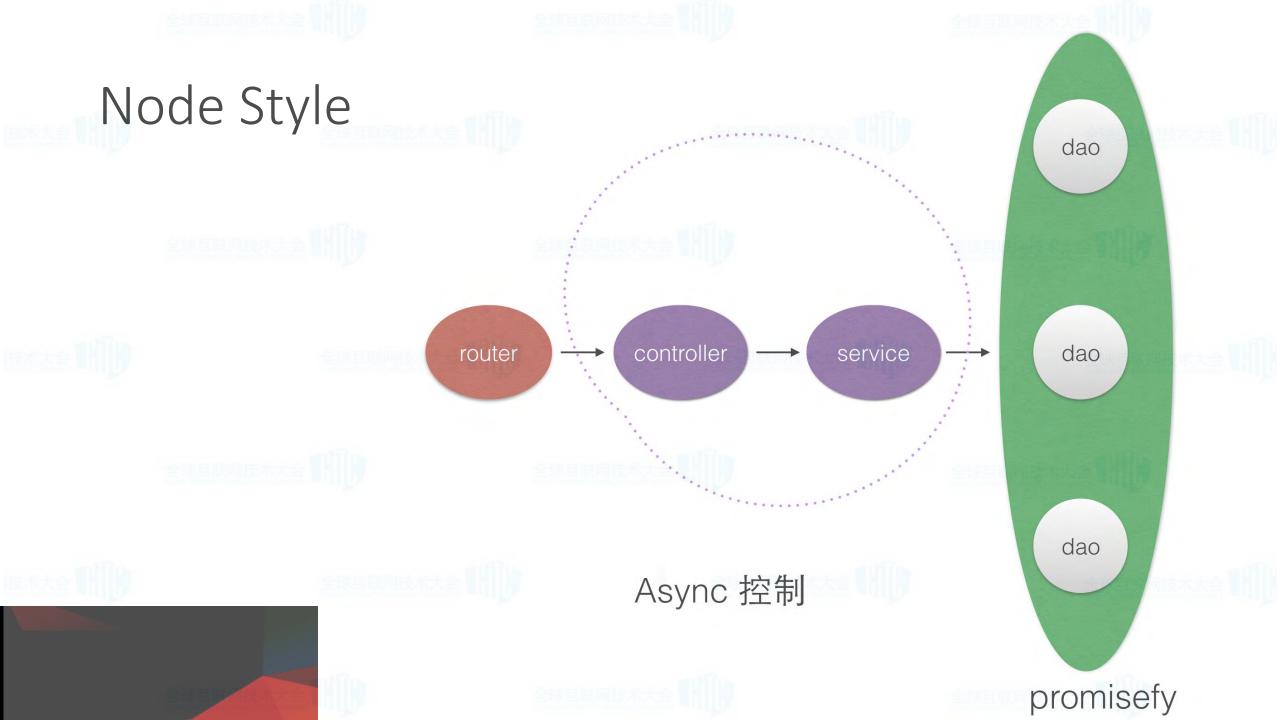


```
import test from 'ava'

var superkoa = require('.')

test.cb('superkoa()', t => {
    superkoa('./app')
        .get('/')
        .expect(200, function (err
        t.ifError(err)
        t.is(res.text, 'Hello Ko
Koa')
        t.end()
    })
})
```

```
test('yield superkoa()', function * (t) {
  let res = yield superkoa('./app')
    .get('/')
  t.is(200, res.status)
  t.is(res.text, 'Hello Koa', 'res.text == Hello Koa')
})
test('async superkoa()', async (t) => {
  let res = await superkoa('./app')
    .get('/')
  t.is(200, res.status)
  t.is(res.text, 'Hello Koa', 'res.text == Hello Koa')
})
```



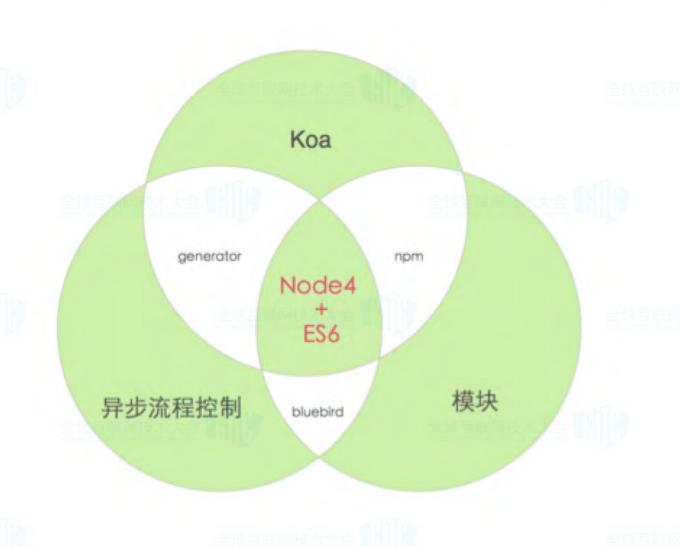
技术选型

2015年推荐

- express 4.x (express最新版本,初学者先
- mongoose (mongodb)
- bluebird (Promise/A+实现)
- jade (视图层模板)
- mocha (测试)
- node-inspector(调试)

2016年推荐

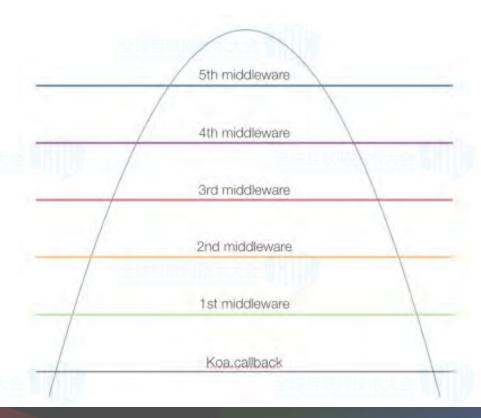
- koa 1.0 && 2.0 (koa2.0刚发布不久,喜欢折腾的可以考虑)
- mongoose (mongodb)
- bluebird (Promise/A+实现)
- jade (视图层模板)
- ava (测试)
- vscode(调试)



变化

- Es6语法
- 异步流程控制
- Koa框架

一个回形针三种中间件



```
var koa = require('koa');
var app = koa();
app.use(function* responseTime(next) {
  var start = new Date;
  yield next;
  var ms = new Date - start;
  this.set('X-Response-Time', ms + 'ms');
});
app.use(function* logger(next) {
  var start = new Date;
  yield next;
  var used = new Date - start;
  console.log('%s %s %s %sms',
  this.method,
    this.originalUrl,
    this.status, used);
});
app.use(function* contentLength(next) {
  yield next;
  if (!this.body) return;
  this.set('Content-Length', this.body.length);
});
app.use(function* body(next) {
 yield next;
  if (this.path !== '/') return;
  this.body = 'Hello World';
});
app.listen(3000);
```





- 4.18. 随堂练习:完善用户注册、登录...
- 5. 从0开始写一个基于Koa的web框架
 - 5.1. 生成项目
 - 5.2. 使用nodemon
 - 5.3. 自动挂载路由
 - 5.4. 添加测试
 - 5.5. 添加mongoose
 - 5.6. 添加mvc目录
 - 5.7. 加载某个目录到一个对象上
 - 5.8. 如何发布npm模块
 - 5.9. 继续优化mvc结构
 - **5.10.** 庖丁解views
 - **5.11.** 没REST怎么行?
 - 5.12. 脚手架scaffold
 - 5.13. 更多
 - 5.14. 随堂练习: 自己动手集成sequeli...
- 6. 项目实战
 - 6.1. 需求原型

改为

mount(app, dirname + '/routes', true);

然后

\$ npm start [nodemon] app crashed - waiting for file changes before starting... [nodemon] restarting due to changes... nodemon] starting / node bin/www`
koa deprecated Support for generators will been removed in v3. See the cocuman ation for examples of work route /index.js



File	Method	Path
/Users/sang/workspace/github/your-koa/routes/index.js	GET	1
/Users/sang/workspace/github/your-koa/routes/users.js	GET	/users/

在路由里复制users.js为test.js

测试

http://127.0.0.1:3000/test

真正的喜爱,才没有伤害





console.log('The End, Thanks')

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