



# NG-EUROPE 2016

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# ANGULAR 2

- Angular 2
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# ON THE MENU

- generic presentations about Angular 2 features
- Eco system around Angular 2
- Church of RxJS
- few real-world examples
- meta

# NG 2 FEATURES - ROUTER

- Angular 2 Router (aka *component router*)
  - *more consistent and easy API™*
  - Guards!
  - Lazy-loading!
- -> From UI-Router to Component Router

# NG 2 FEATURES - TESTING

- Angular CLI bootstraps testing
- modular architecture allows for easy isolated testing of Components, without much mocking
- Recipes
  - Simple Component with templateUrl
  - Simple Component with templateUrl
  - Component communicating with backend service
  - Testing Application Routing



# NG 2 FEATURES - UPGRADING

- old back ported component router approach is gone!
- run AngularJS and Angular 2 in parallel
- have 2 routers; split by routes
- migrate services piece by piece
- migrate feature by feature
- Getting to Angular 2

# NG2 ECO SYSTEM

- Angular BatScanner for „exploring“ Angular 2
- Debugging tool from [rangle.io](http://rangle.io) -> [Augury](http://Augury)
- Angular CLI has gained a lot of traction!

# CHURCH OF RXJS

- RxJS seems to be a *match in heaven* for Angular 2
- nothing spectacularly new
- You will learn RxJS



# THE REAL WORLD

- ING DIBA mobile App
  - prototyped in Ionic
  - settled for Cordova / native approach
  - Web allows them for faster feature delivery

# THE REAL WORLD

## Testing

Manual testing / CIG group testing



Mobile UI testing (Android Espresso / iOS UI tester)



AngularJS Protractor end to end testing (Jasmin/Protractor)



AngularJS Unit testing (Jasmin/Karma)



# THE REAL WORLD

- Reactive Music Apps in Angular 2
  - Web Audio!
  - generative music -> Terry Riley - In C
  - a perfect example for Redux!
  - „how well an architecture is“ -> massage existing code around it, or just add
    - adding lights was trivial...
  - a gorgeous presentation

# META

- Angular 2 has a lot of traction, Google heavily invests in it
  - Angular 2 Dart? ... seems to be a side project
- it will take some more time (Angular CLI) to reach maturity
- „no one wants to rewrite ever again“
- „we are on SemVer“...
- they are very confident with it... :)



# LINKS

- Nearly complete [list of ng-europe presentations / slide links](#)
- [YouTube channel from ng-europe](#)
- [NgEurope](#)

# NEXT DRESDENJSZZZZZ!

- December 8th, 2016
  - Reach to the stars - Glowwine + LiveCoding
- January 12th, 2017
  - React-Native
  - API Specification Languages
- Future
  - Client-Side model layers
  - -> your topic!

