

RED HAT
SUMMIT

Scale your development team using Angular and Fabric8

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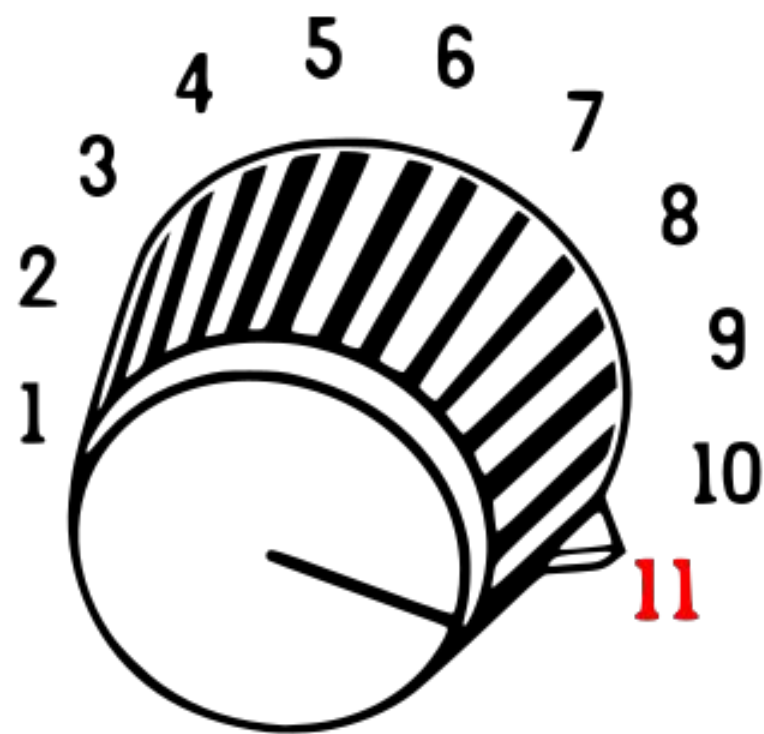






The challenge



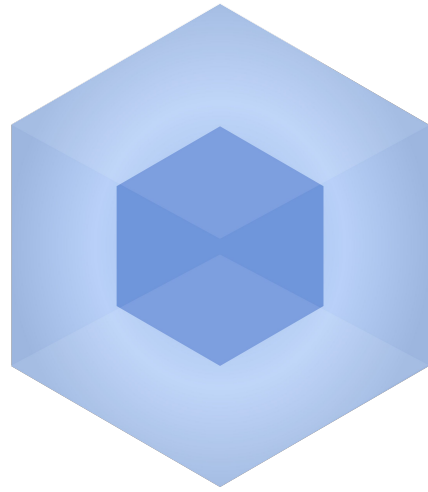


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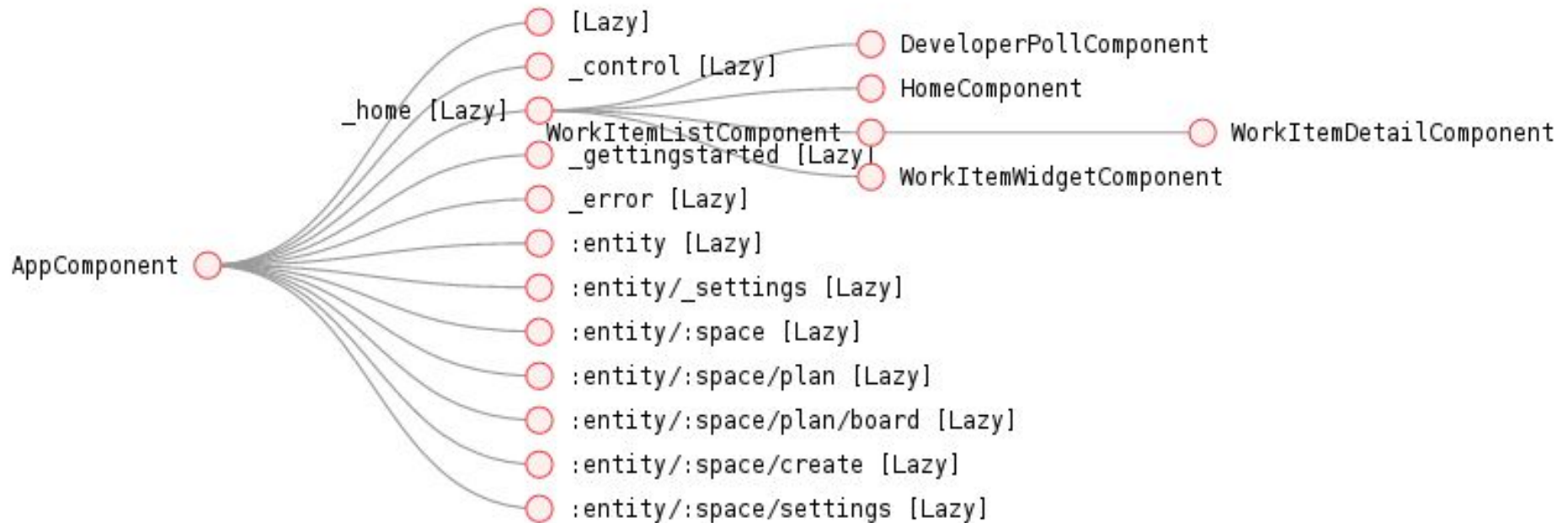
**KEEP
CALM
AND
CONTINUE
TESTING**





Angular – Components

```
@Component({  
  selector: 'fb8-app',  
  styleUrls: ['./app.component.scss'],  
  templateUrl: './app.component.html'  
})  
export class AppComponent {
```



Angular - Injection

- app.module.ts

```
import { AuthenticationService } from 'ngx-login-client';
@NgModule({
  providers: [ AuthenticationService ]
})
export class AppModule { }
```

- codebases.service.ts

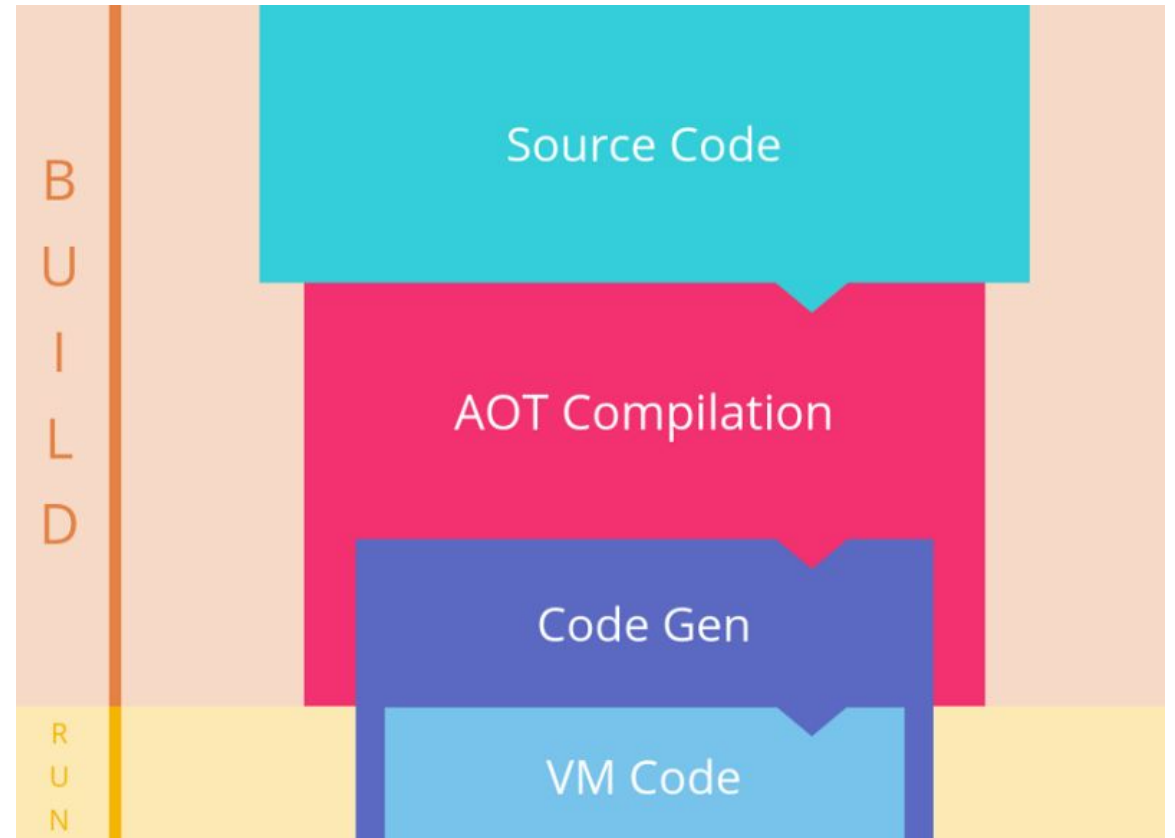
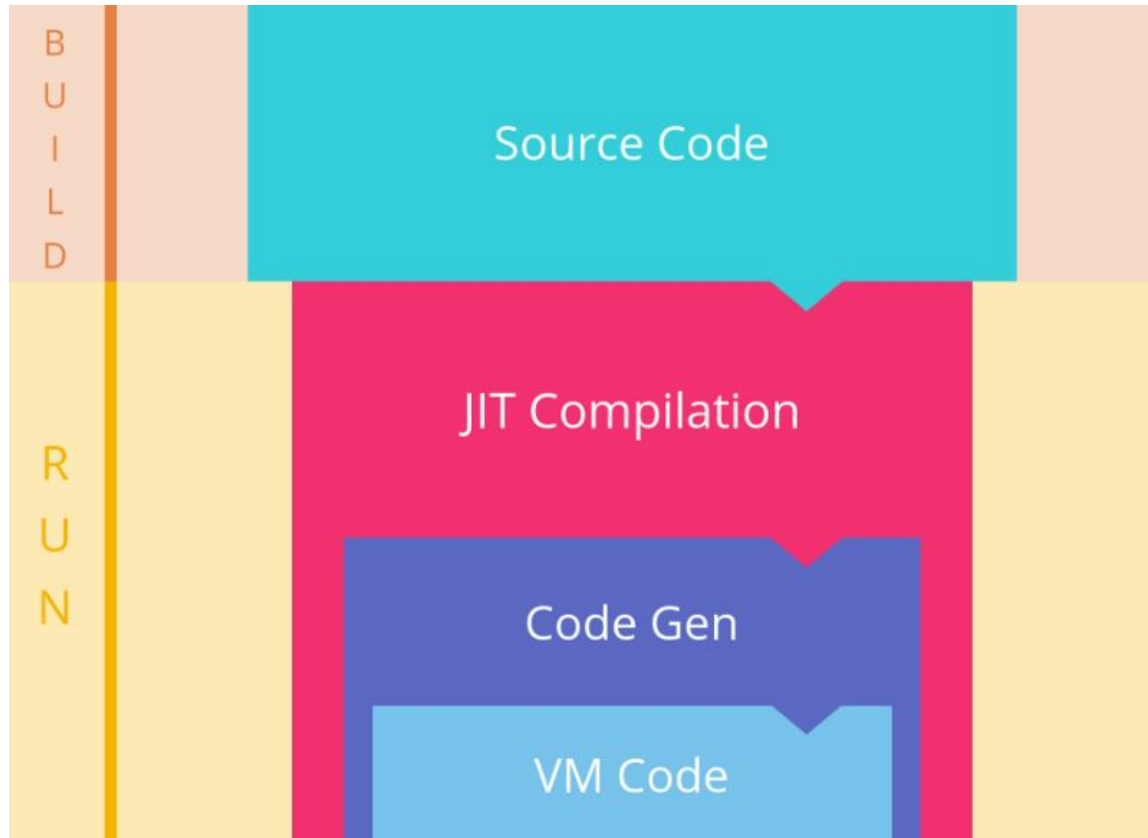
```
@Injectable()
export class CodebasesService {
  constructor( private auth: AuthenticationService ) {
    if (this.auth.getToken() != null) {
      this.headers.set('Authorization', 'Bearer ' + this.auth.getToken());
    }
  }
}
```

Angular - Routing

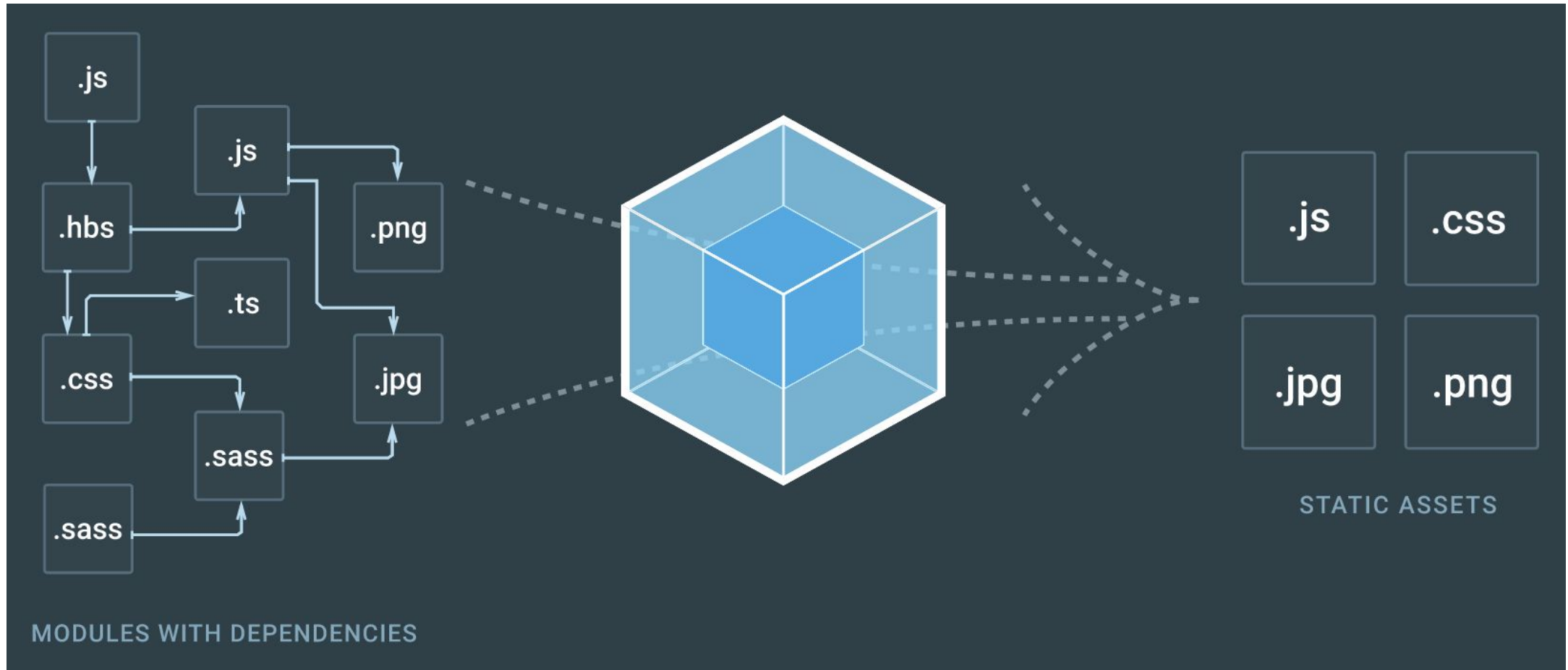
- app-routing.module.ts

```
export const routes: Routes = [
  {
    path: '_home',
    loadChildren: './home/home.module#HomeModule'
  }
]
@NgModule({
  imports: [RouterModule.forRoot(routes, { enableTracing: true })],
  exports: [RouterModule]
})
export class AppRoutingModule { }
```


Angular – JiT vs AoT



Webpack – resource-centric



Typescript

```
private _context: Context;
get context(): Context {
  if (this.router.url === '/_home') {
    return this._defaultContext;
  } else {
    return this._context;
  }
}
```


RXJS – subscribing to events

```
router.events.subscribe((val) => {  
  if (val instanceof NavigationEnd) {  
    this.broadcaster.broadcast('navigate', { url: val.url } as Navigation);  
    this.updateMenus();  
  }  
});
```

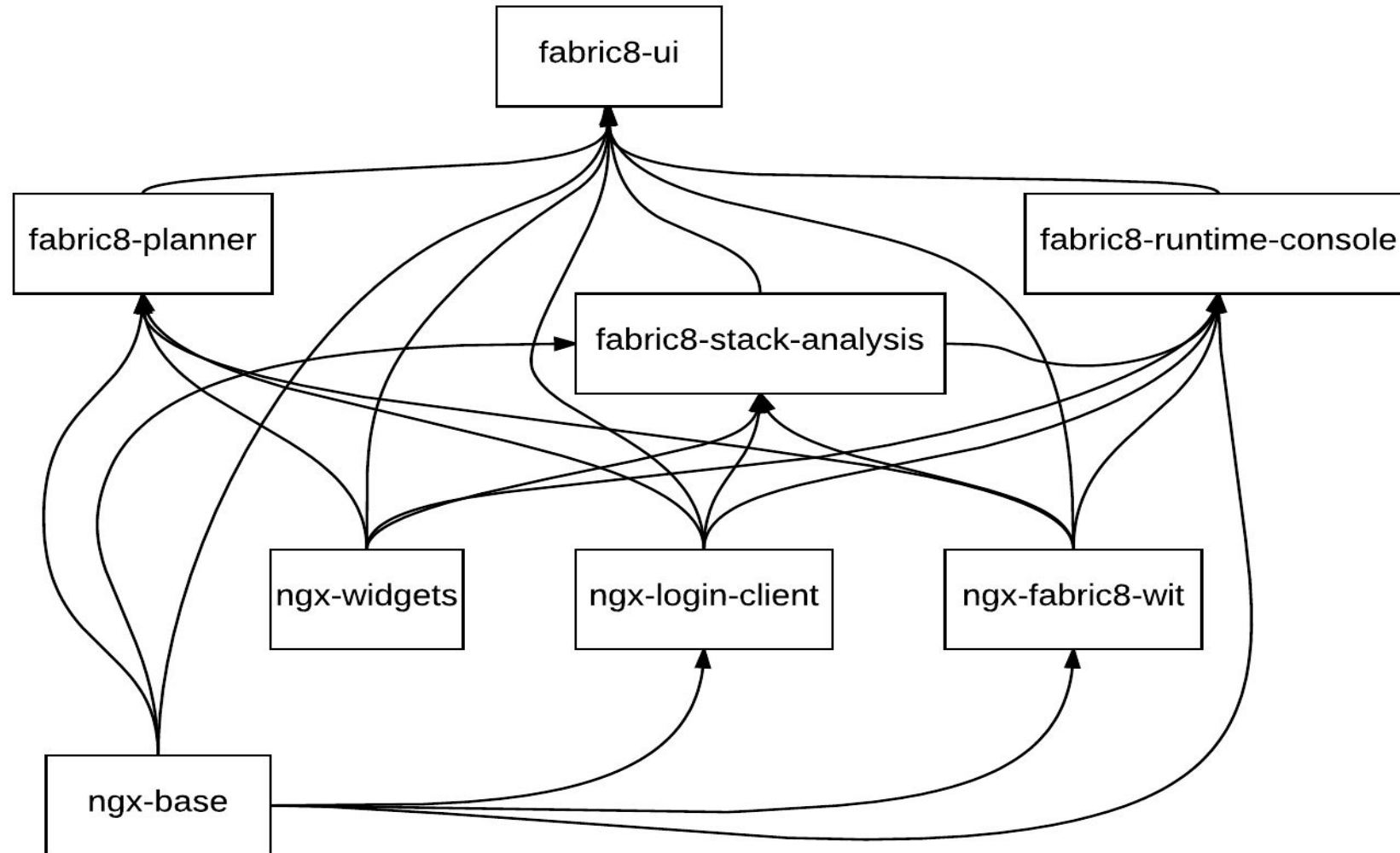
RXJS – operators

- map - <http://jsbin.com/detozumale/1/edit?js,console>
- filter - <http://jsbin.com/qihagaxuso/1/edit?js,console>
- withLatestFrom - <http://rxmarbles.com/#withLatestFrom>

RXJS - Replaying

- <http://jsbin.com/bekoxoqeke/1/edit?js,console>

Fabric8 – Web of dependencies



Fabric8 - Releases

Latest release

v1.34.53

41db585

Edit

v1.34.53

 pmuir released this a day ago

1.34.53 (2017-05-03)

Bug Fixes

- **getting-started:** remove reference to username in getting-started ([41db5855](#))

Downloads

 [Source code](#) (zip)

 [Source code](#) (tar.gz)

Fabric8 – per PR builds



fabric8cd commented 8 hours ago

Member



@**ldimaggi** snapshot fabric8-ui is deployed and available for testing at <https://fabric8-ui-fabric8-ui-pr-1219-fabric8-ui.int.rdu2c.fabric8.io>

What did we learn?

- Angular moves fast - need a way to track it better
- RXJS produces unusable stack traces – need a way to add sanity
- Integrate early, integrate often
- PRs are good
- Testing this is hard



THANK YOU



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