NGRX / STORE

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Director, Interactive Development

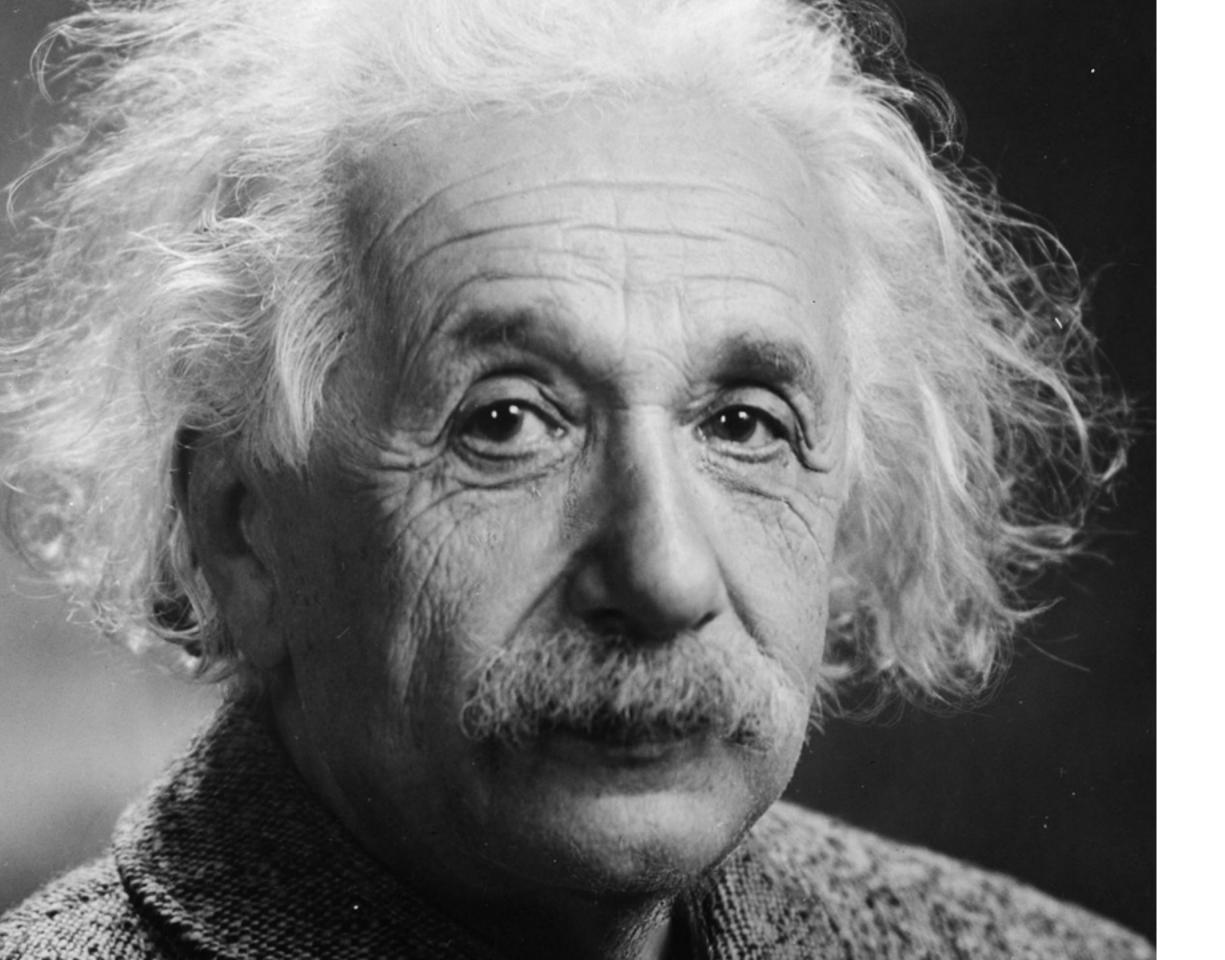
REDUCKS

World famous Duck Simulator



(S) Redux

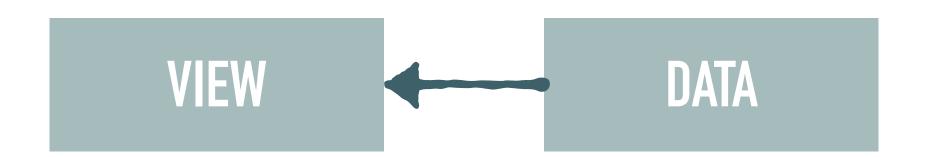
$$UI = fn(state)$$



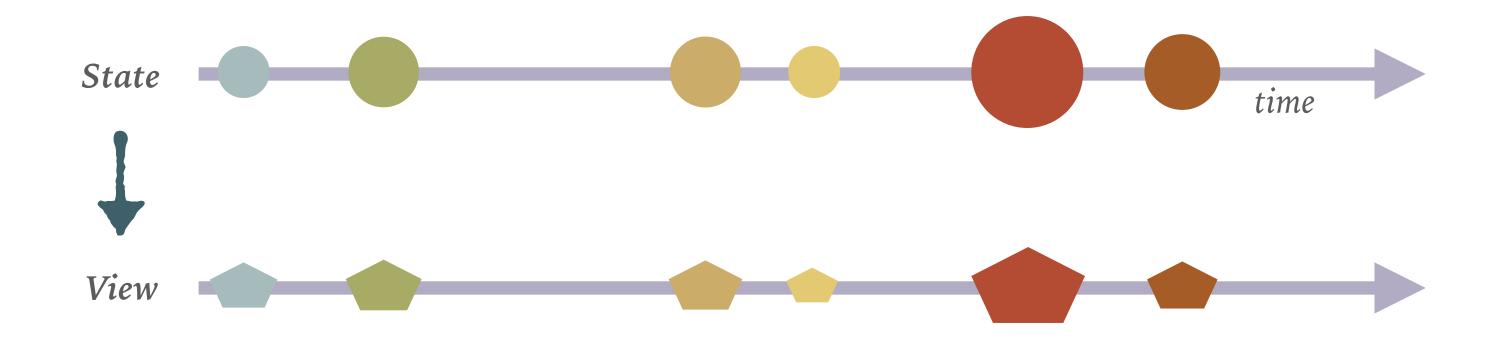
E=MC²

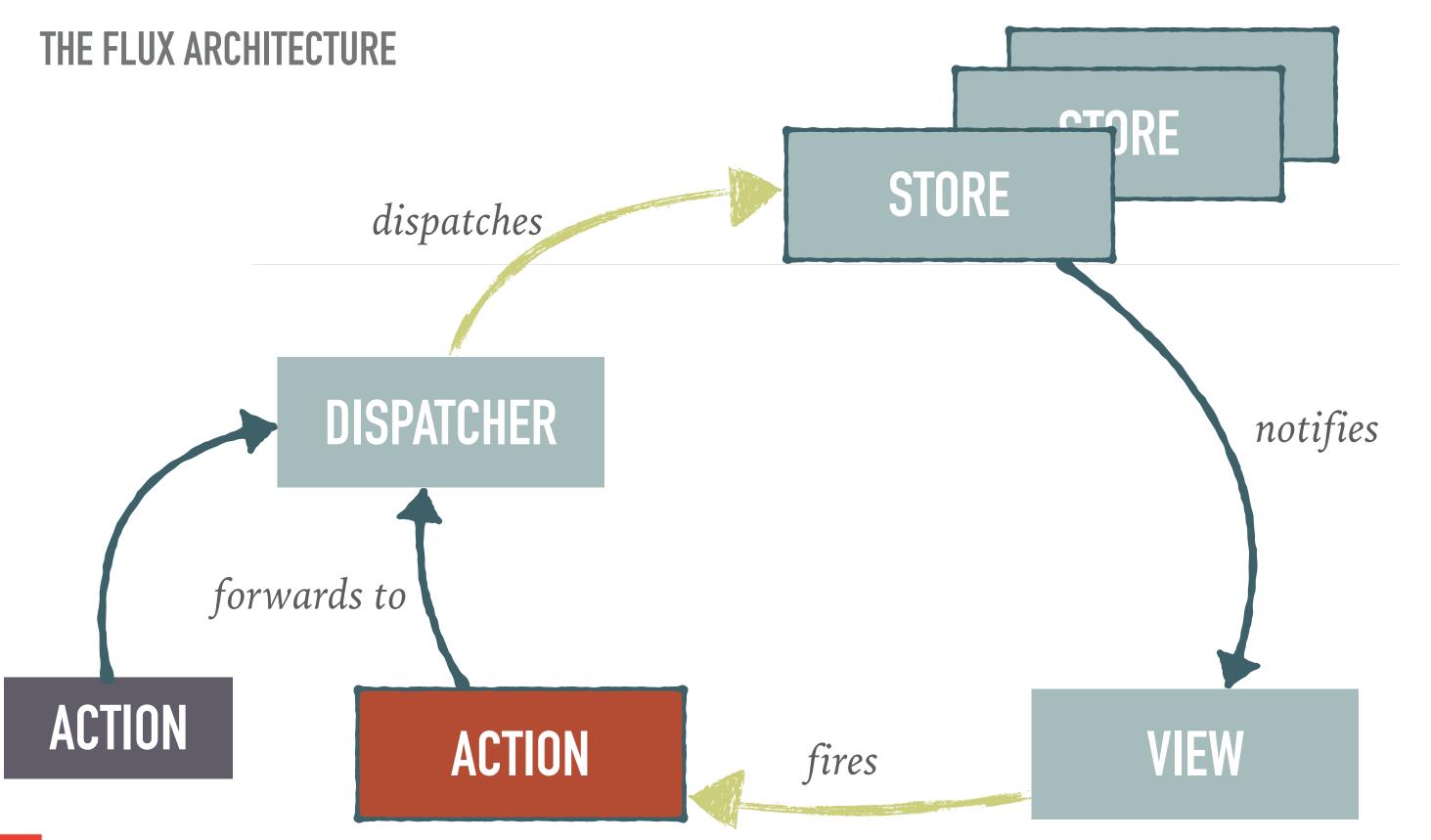
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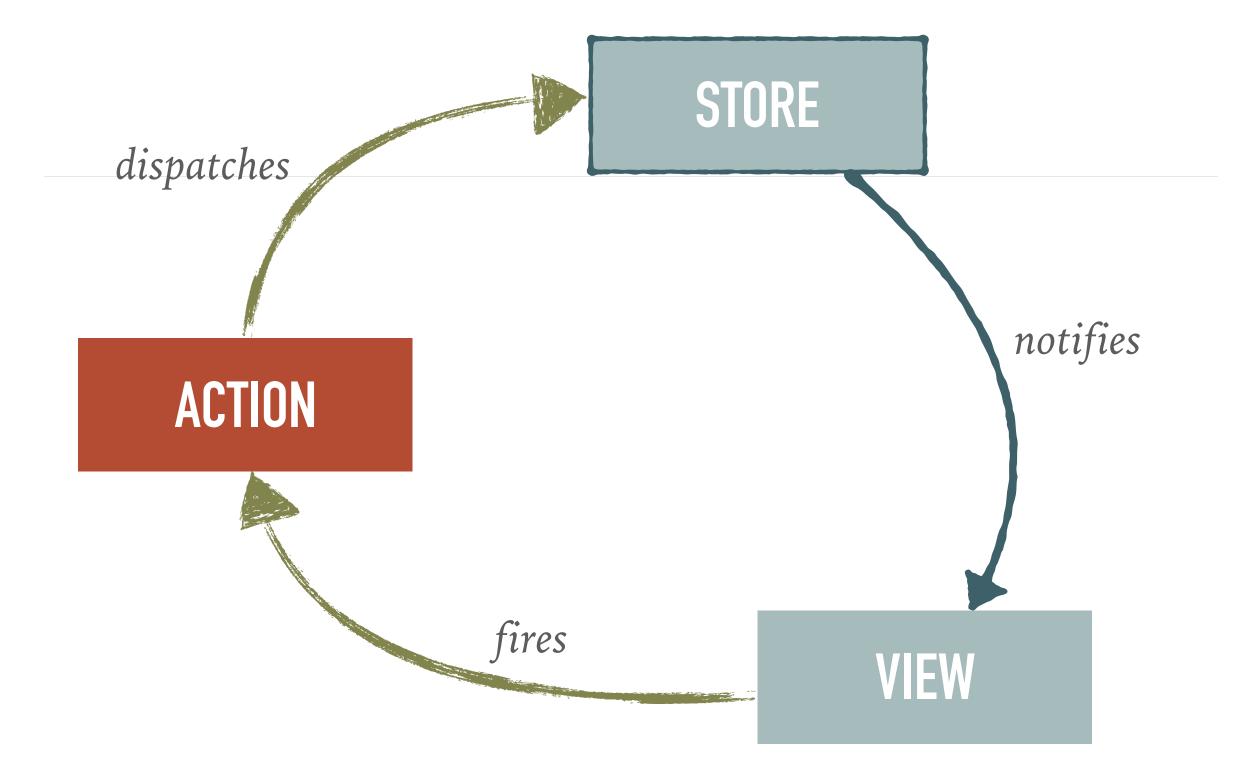


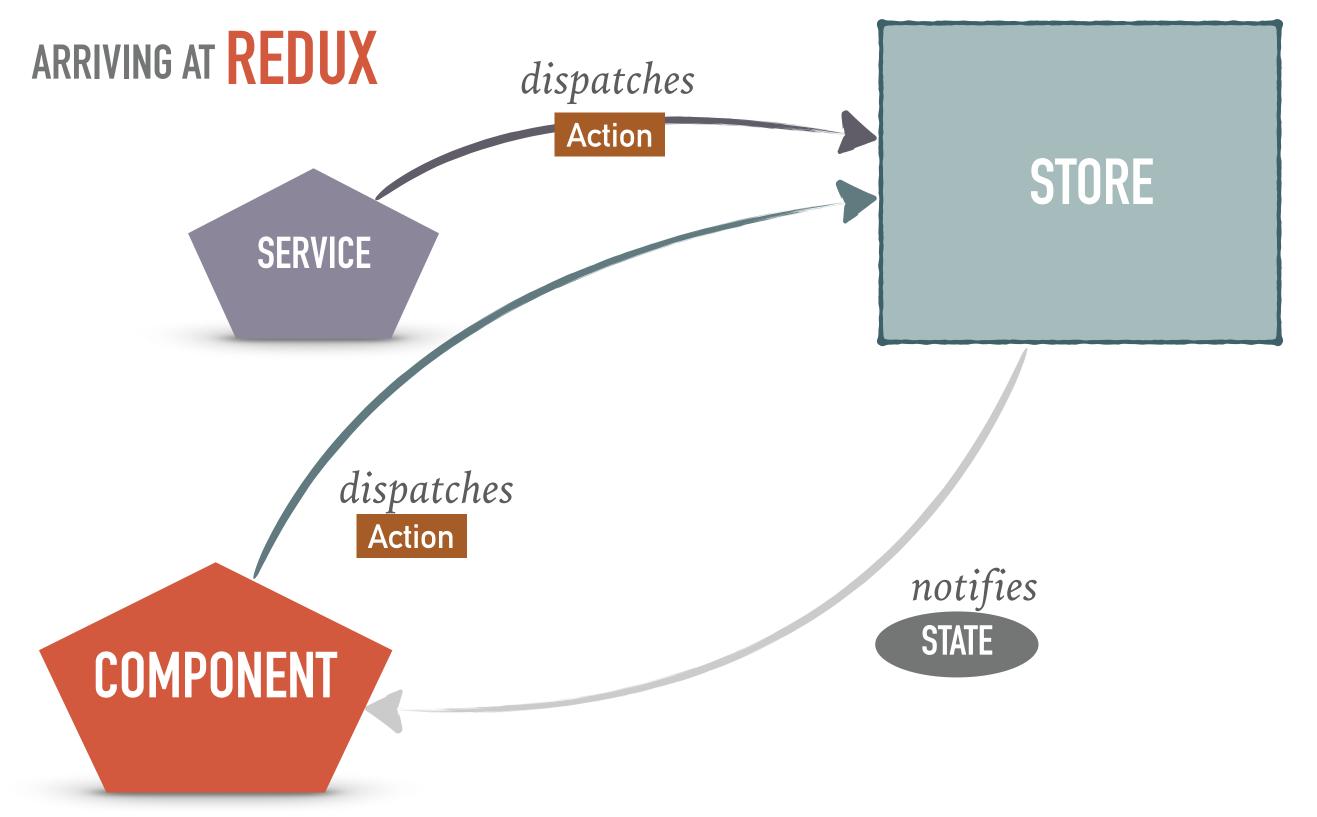
SNAPSHOTS





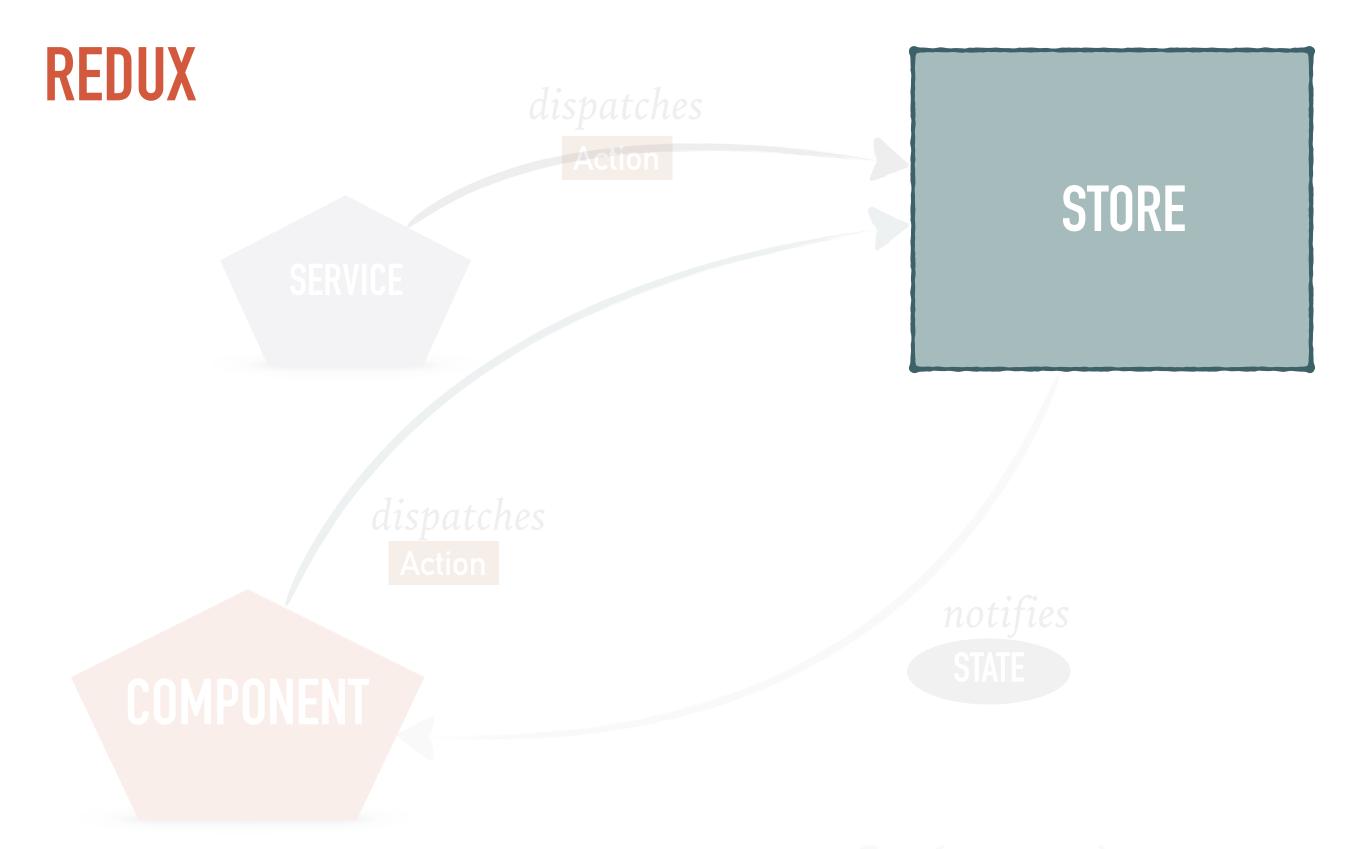
Simplifying THE FLUX ARCHITECTURE

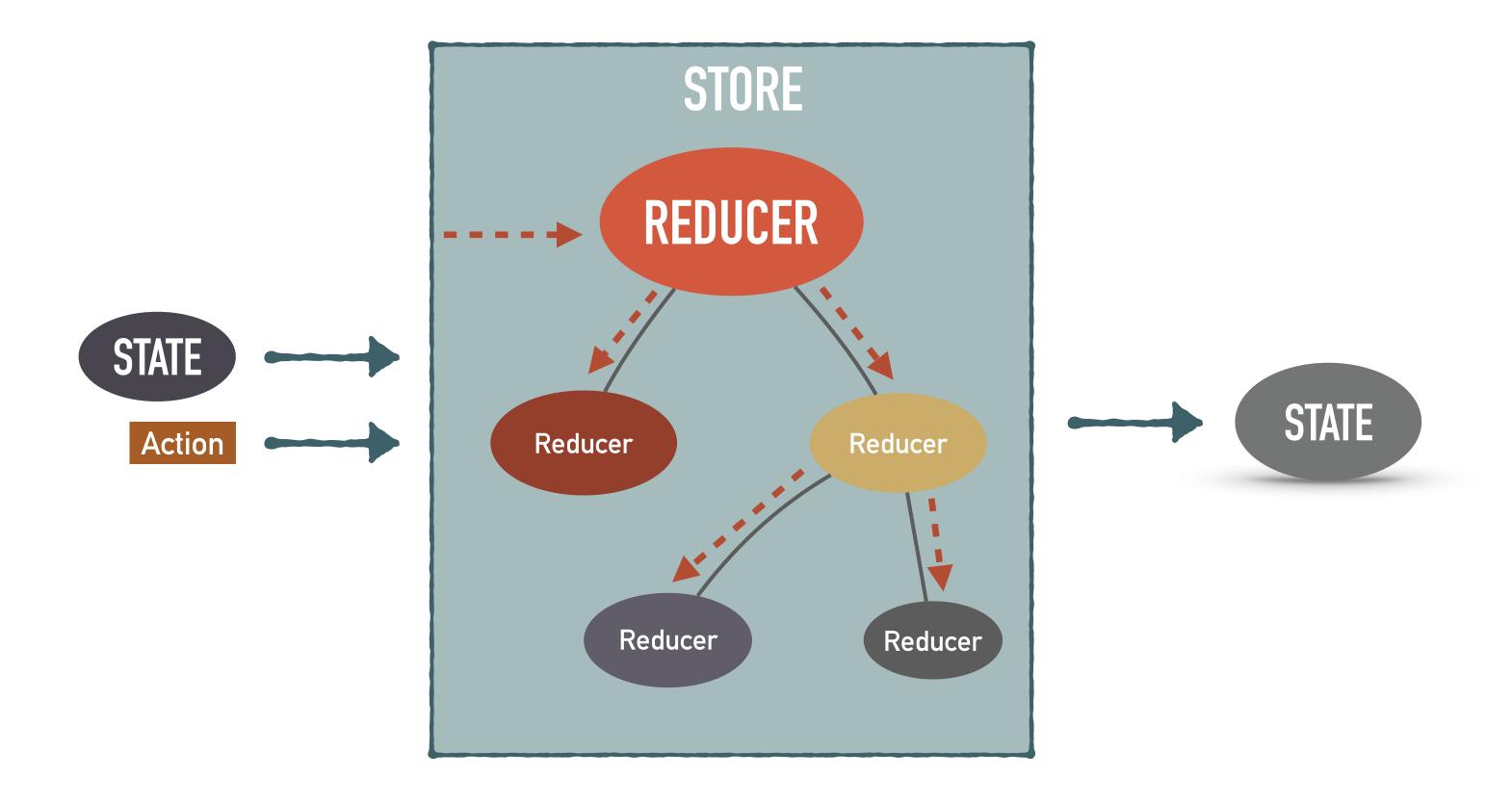




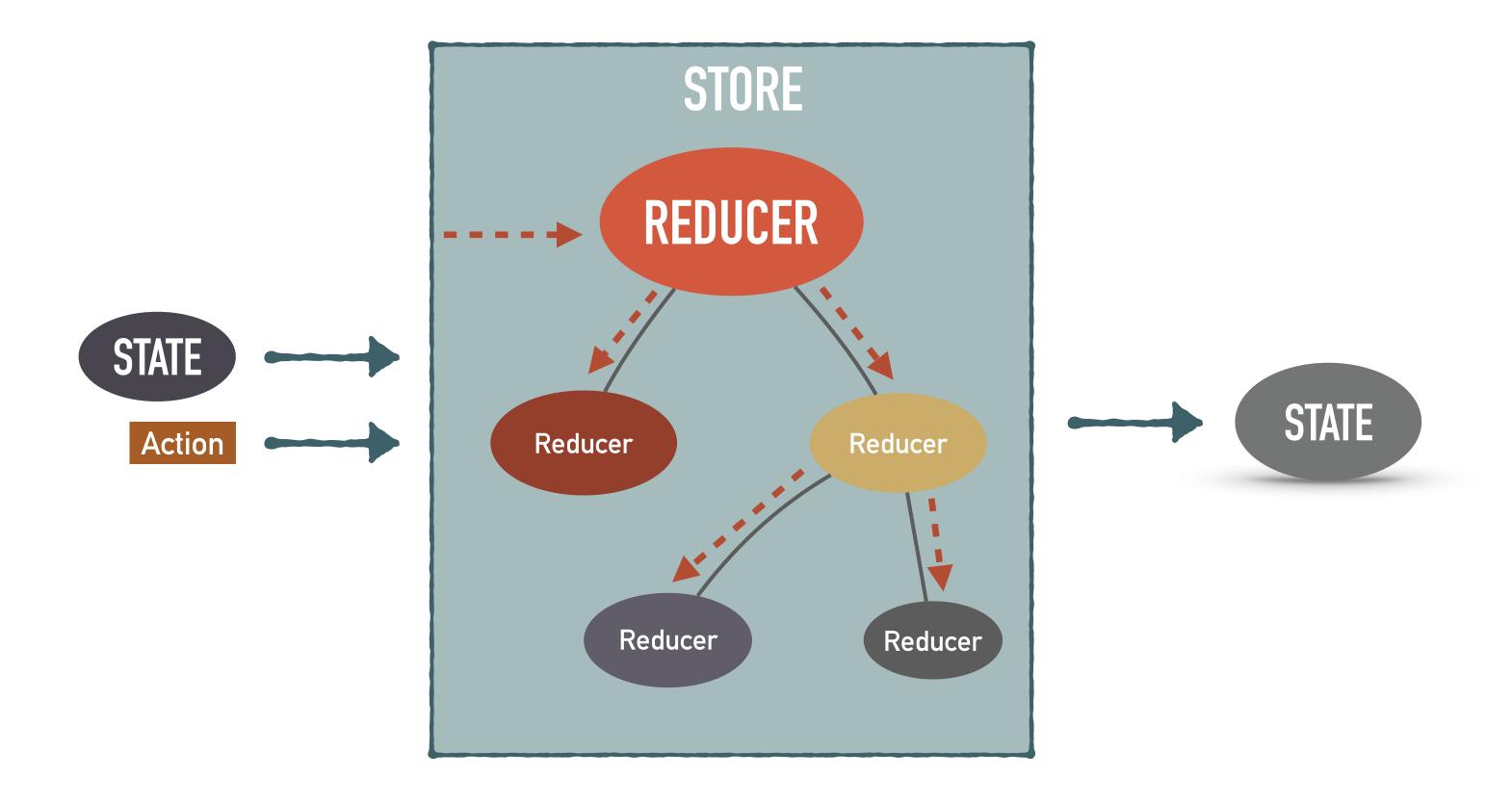
$$UI = fn(state)$$

Sapient





REDUCER MINONS



```
REDUCER
  function reducer(state, action) {
 2
       switch (action.type)
 3
 4
           case START_ALBUMS_LOAD:
               return Object.assign({}, state, {loadingAlbums: true});
 5
 6
           case END_ALBUMS_LOAD:
               return Object.assign({}, state, {loadingAlbums: false});
 8
 9
           default:
10
11
               return state;
12
13
14 }
```

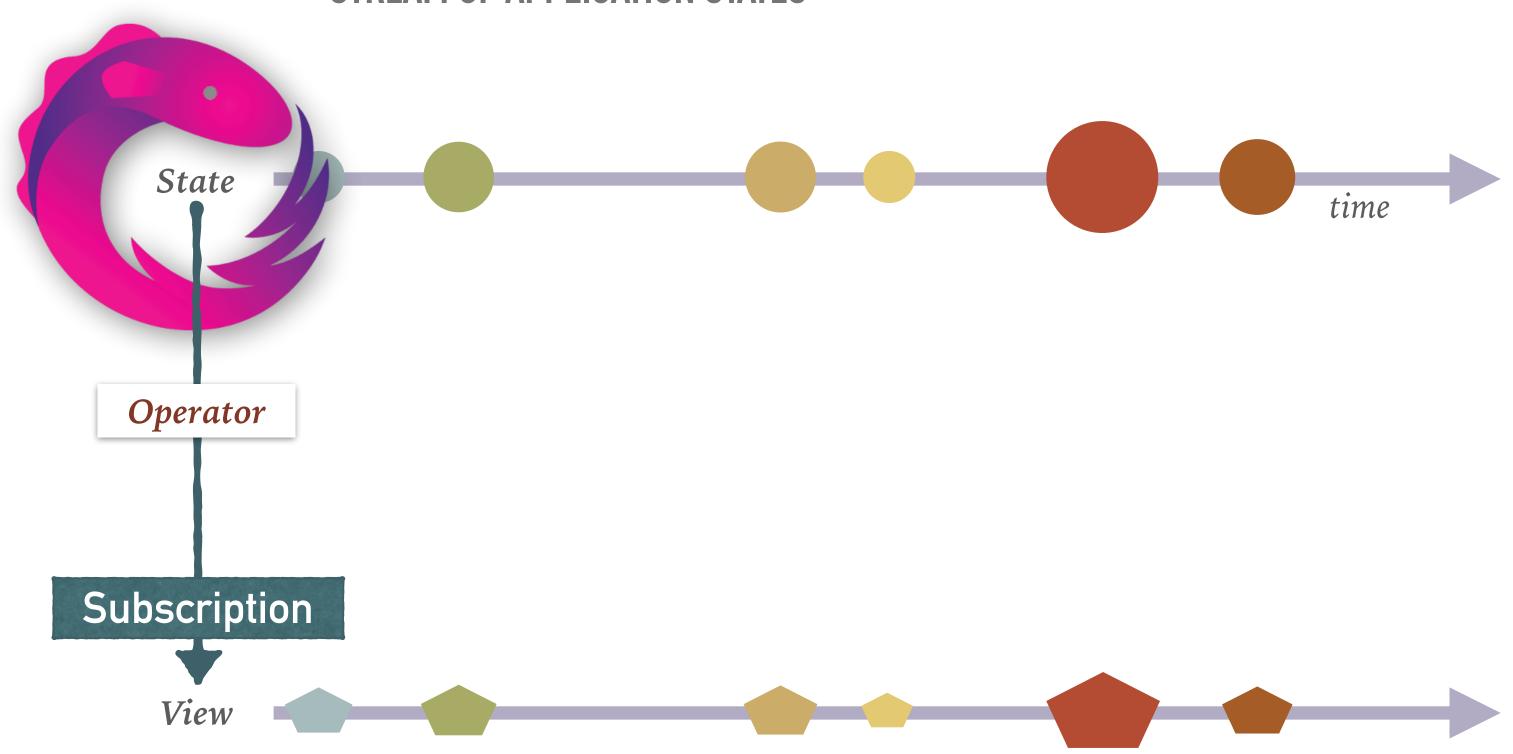
NGRX / STORE

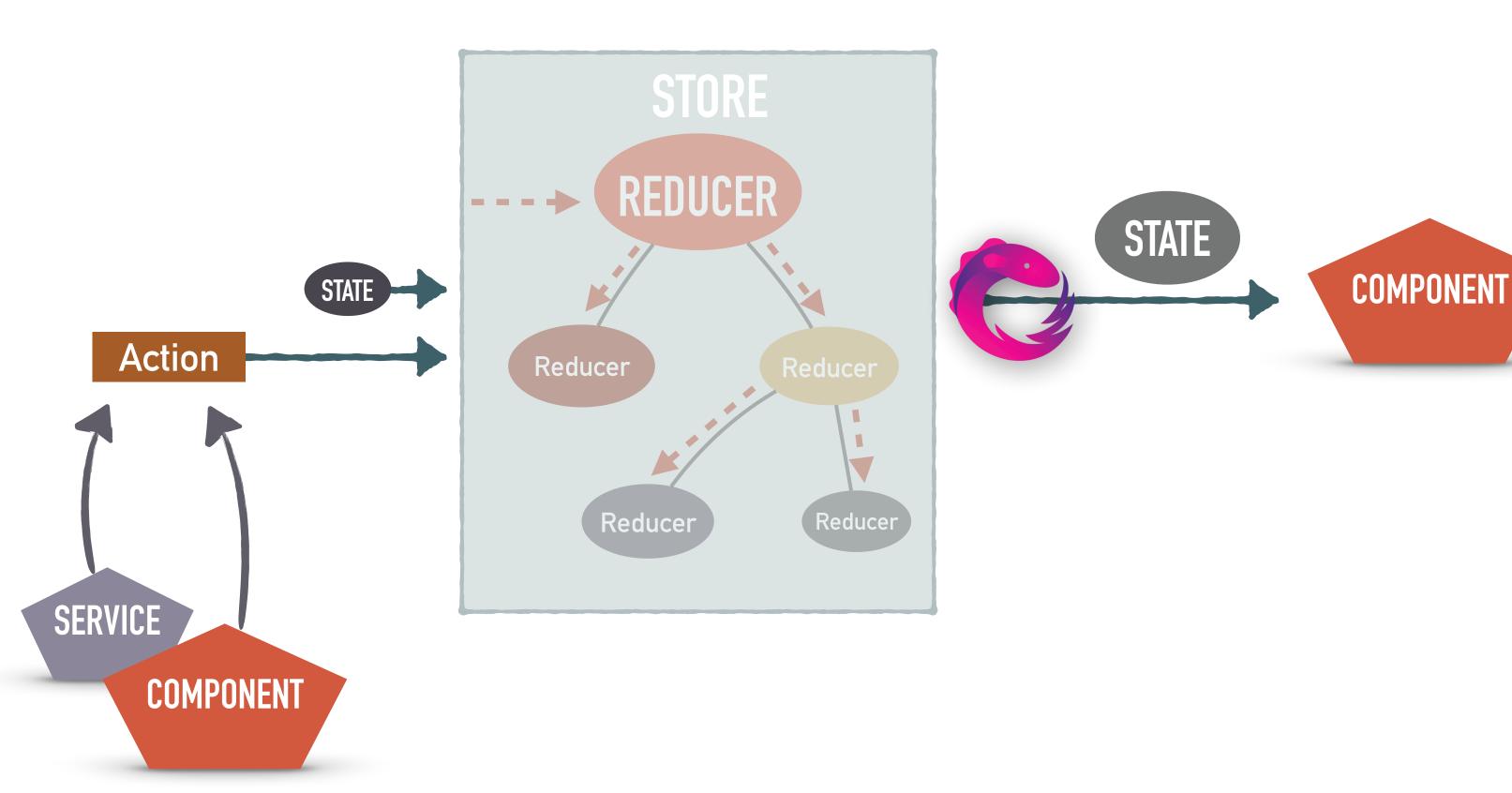
https://github.com/ngrx/store

NGRX / STORE



STREAM OF APPLICATION STATES





CODE



SUPPLYING STORE

```
@NgModule({
       imports: [
           RouterModule, FormsModule, BrowserModule,
 3
           StoreModule.provideStore(reducer),
 5
           routing
 6
       ],
       providers: [PhotoService],
       declarations: [
 8
           ShellComponent, DashboardComponent, UnknownComponent,
 9
10
           AlbumComponent, PhotoComponent, AlbumDetail
       ],
11
       bootstrap: [ShellComponent]
12
13 })
14 export class AppModule {
15 }
```



INJECTING STORE

```
@Component({
       selector: 'photo',
       template: require('./photo.html')
 3
 4 })
  export class PhotoComponent implements OnInit, OnDestroy {
 6
       constructor(private route: ActivatedRoute,
 8
                    private store: Store<AppState>,
                   private service: PhotoService) {
 9
10
11 }
```

DISPATCHING ACTIONS

```
1 @Injectable()
 2 export class PhotoService {
 3
       constructor(private store: Store<AppState>) {
 5
 6
       /* ... */
 8
       loadAlbums()
 9
           this.store.dispatch({
10
11
                type: START_ALBUMS_LOAD
           });
12
13
14 }
15
```





Container SLICING STATE IN COMPONENTS



DEMO







RXJS https://www.learnrxjs.io

NGRX / STORE https://github.com/ngrx/store

REDUX-DEVTOOLS https://github.com/zalmoxisus/redux-devtools-extension

DEMO https://github.com/pavanpodila/angular-nyc-ngrx-store



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