Chaining Observables

Observable – typical type

```
func oneObservable() -> Observable<Some> {
    return Observable<Some>.create { observer in
        return Disposables.create()
    }
}
```

Observable - Nested Observable

```
func oneObservable() -> Observable<Some> {
   return Observable<Some>.create { observer in
          nestedObservable()
          .subscribe(onNext: {
                    observer.onNext(Some)
                    observer.onCompleted()
          })
          .disposed()
      return Disposables.create()
```

Observable – merge

```
Observable.from([oneObservable, twoObservable]).merge()
.subscribe()
.disposed()
```

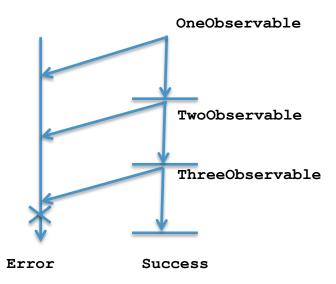
Observable – zip

```
Observable.zip(oneObservable, twoObservable)
.subscribe()
.disposed()
```

Observable – Observable of ZippedObservable

```
Func zippedOneTwoObservable() -> Observable<Some> {
   return Observable<Some>.create { observer in
          Observable.zip(oneObservable, twoObservable)
          .subscribe(onNext: {
                    observer.onNext(Some)
                    observer.onCompleted()
          })
          .disposed()
      return Disposables.create()
```

Chaining Observables



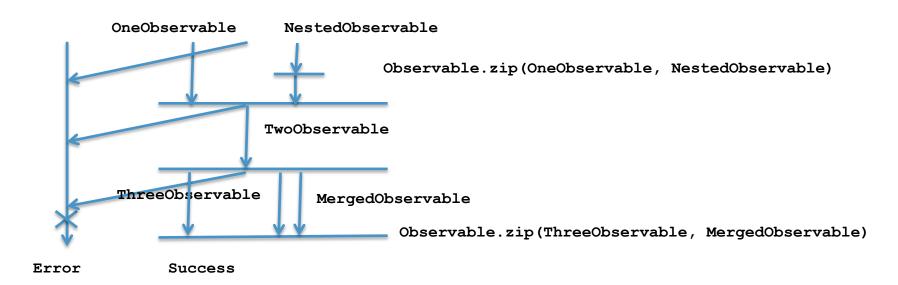
Chaining Observables – typical format

```
OneObservable()
                                                    .flatMapLatest { _ -> Observable<Three> in
.filter {
                                                               ThreeObservable()
                                                    .subscribe()
.flatMapLatest { _ -> Observable<Two> in
                                                    .disposed()
          TwoObservable()
.filter {
```

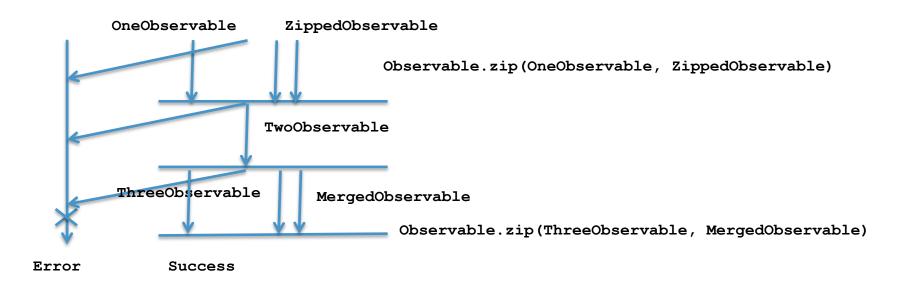
Chaining Observables

- How to use the result of previous observable chain?

Chaining Observables – Nested Observable, merge, zip



Chaining Observables – merge, zip



Chaining Observables – merge, zip

```
Observable.zip(OneObservable(),ZippedObservable())
.filter {
                                               .flatMapLatest { _ -> Observable<Three> in
                                                         Observable.zip(ThreeObservable(),
                                              MergedObservable())
.flatMapLatest { _ -> Observable<Two> in
          TwoObservable()
                                               .subscribe()
                                               .disposed()
.filter {
```