

RxJava2.0 操作符之 -- 连接操作符

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原文链接: <https://ld246.com/article/1500541590535>

来源网站: [链滴](#)

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Connect

让一个可连接的Observable开始发射数据给订阅者 publish

将普通的Observable转换为可连接的Observable

```
Observable observable=Observable.just(1,2,3);
ConnectableObservable connectableObservable = observable.publish();
connectableObservable.subscribe(RxUtils.getObserver());
connectableObservable.connect();
try {
    Thread.sleep(Integer.MAX_VALUE);
} catch (InterruptedException e1) {
    e1.printStackTrace();
}
```

```
onSubscribe
Thread:Thread[main,5,main]
onNext:1
Thread:Thread[main,5,main]
onNext:2
Thread:Thread[main,5,main]
onNext:3
Thread:Thread[main,5,main]
onComplete
Thread:Thread[main,5,main]
```

refCount

让一个可连接的Observable行为像普通的Observable

```
Observable observable=Observable.just(1,2,3);
ConnectableObservable connectableObservable = observable.publish();
Observable observable1= connectableObservable.refCount();
observable1.subscribe(RxUtils.getObserver());
// connectableObservable.connect();
try {
    Thread.sleep(Integer.MAX_VALUE);
} catch (InterruptedException e1) {
    e1.printStackTrace();
}
```

```
onSubscribe
Thread:Thread[main,5,main]
onNext:1
Thread:Thread[main,5,main]
onNext:2
Thread:Thread[main,5,main]
```

```
onNext:3  
Thread:Thread[main,5,main]  
onComplete  
Thread:Thread[main,5,main]
```

Replay

保证所有的观察者收到相同的数据序列，即使它们在Observable开始发射数据之后才订阅

2.x 代码中没有达到预期，1.x却有效 不知道为什么,又在2.x成功的大神，给说下，谢谢

```
Observable observable=Observable.interval(1, TimeUnit.SECONDS).take(5);  
ConnectableObservable connectableObservable = observable.publish();  
connectableObservable  
    .replay(4) //缓存4个数据  
    .publish();  
connectableObservable.connect();  
connectableObservable  
    .delaySubscription(4,TimeUnit.SECONDS)  
    .subscribe(RxUtils  
        .getObserver());  
try {  
    Thread.sleep(Integer.MAX_VALUE);  
} catch (InterruptedException e1) {  
    e1.printStackTrace();  
}
```