

Regex Observable



Overview

- ➔ Regex produces *sequence* of matches
- ➔ Sequences can leverage Reactive Extensions
- ➔ Stream-based Regex-lite

`abc[^\s][^\s]*`



`xyz abc yrs abcd lgb12 abc trvs abc9 r r98`



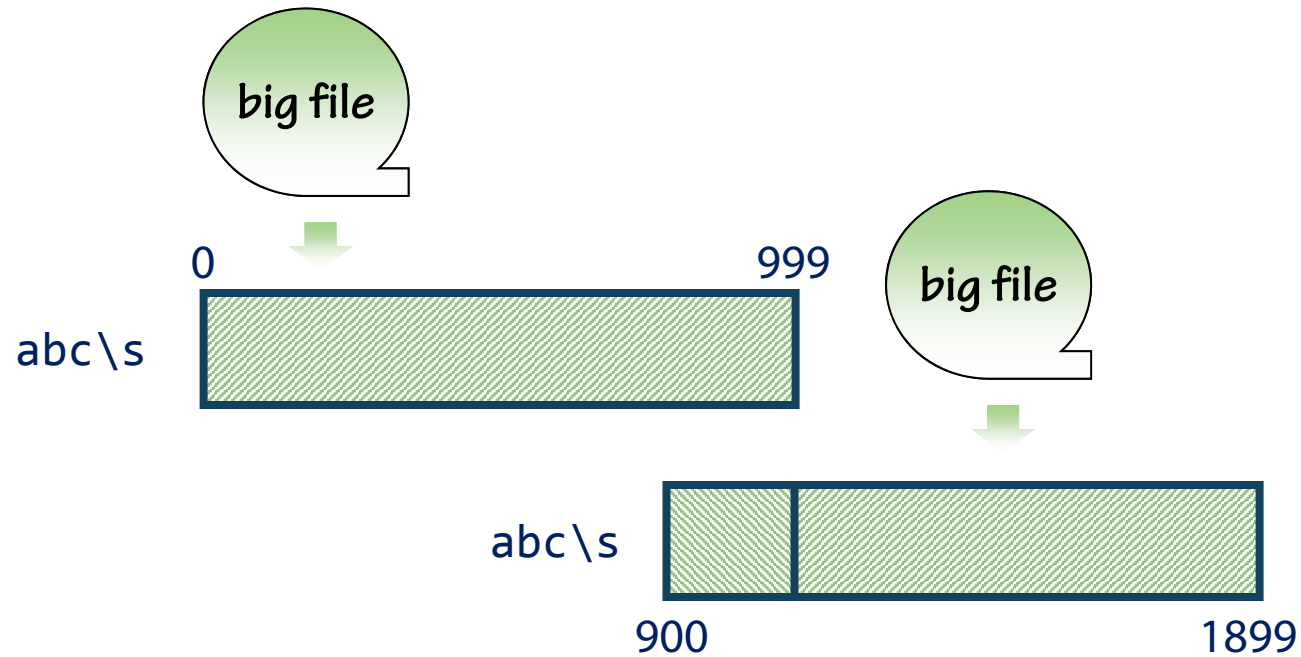
`abcd`
`abc9r`

Loop to Observable

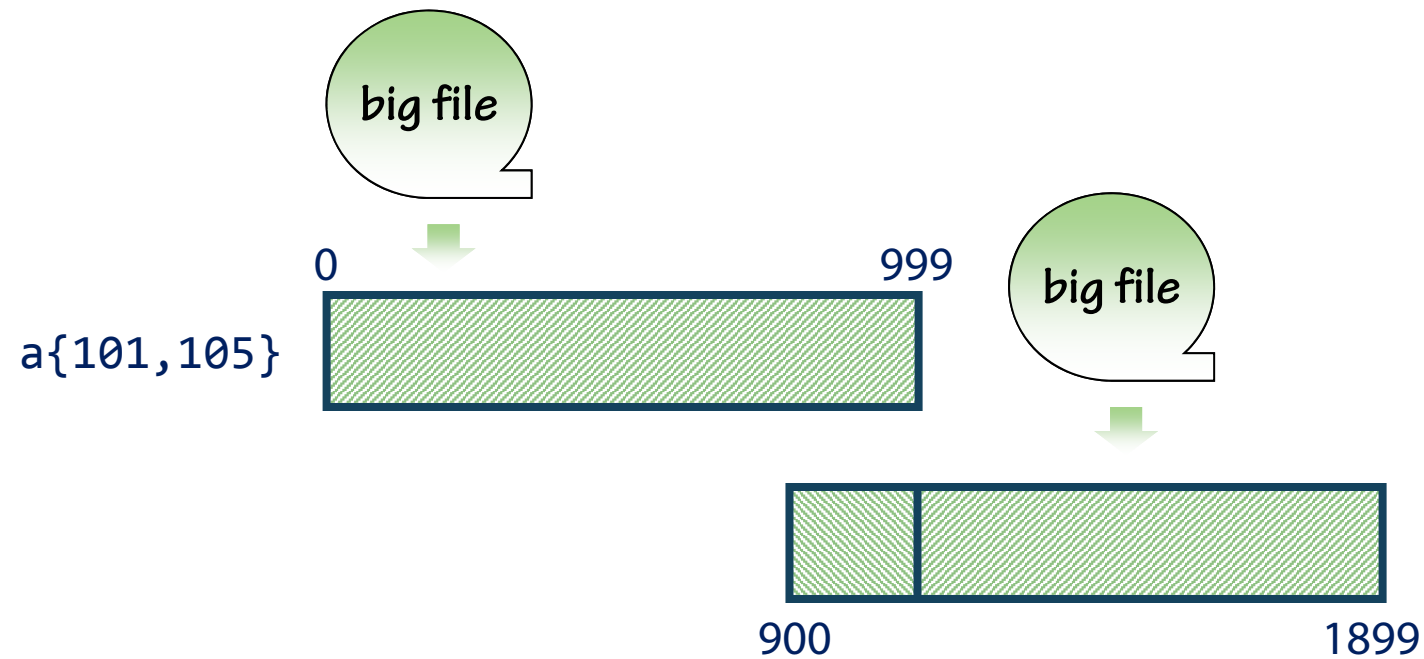
- ➡ Enumerable can be converted to Observable
- ➡ Not everything implements IEnumerable
- ➡ yield return to convert arbitrary code to IEnumerable

```
yield return 7;  
yield return 108;  
yield return 3
```

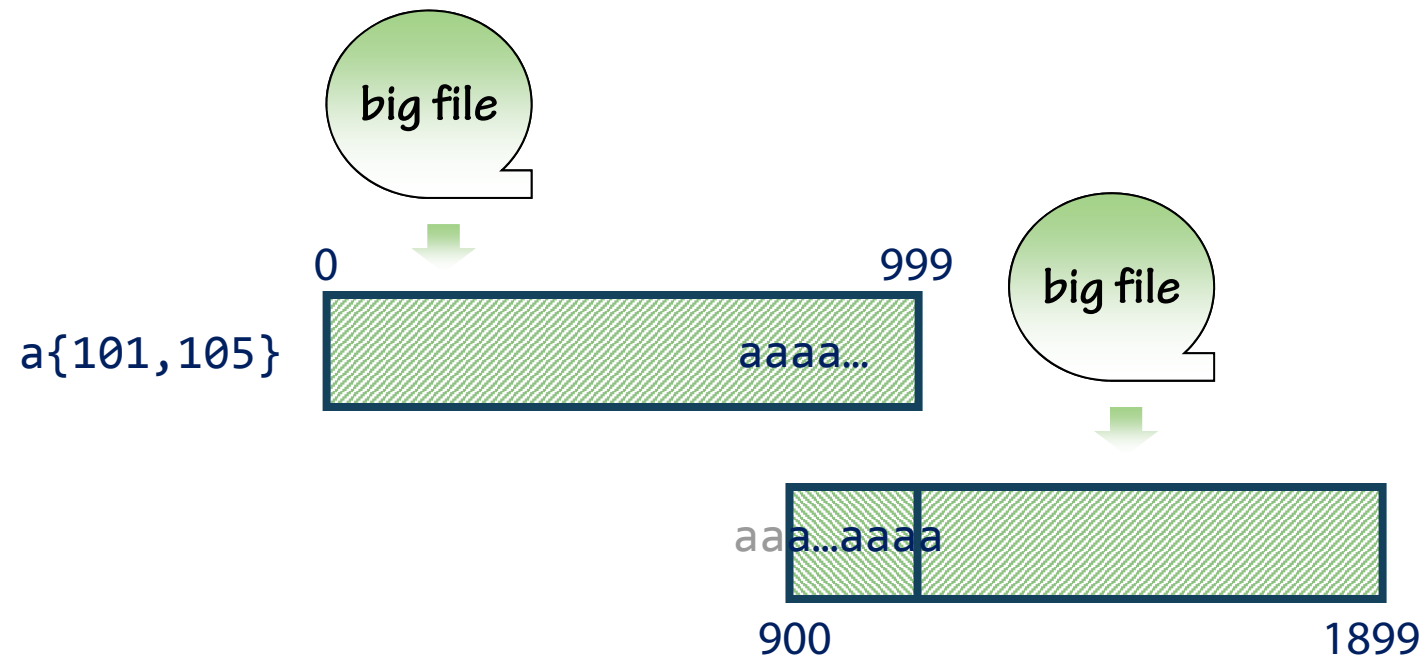
Overlapped Buffers



Overlapped Buffers



Overlapped Buffers



Summary

- ➡ yield return \Rightarrow IEnumerable
- ➡ Regex Matches can be treated as observable sequence
- ➡ Generate + buffers \Rightarrow apply Regex to file