

Kapacitor

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Overview

- Introduction to Kapacitor
- Installation Process
- Explore some use cases

Introduction to Kapacitor

Take action on your data

Runs as separate process

Installation

Installation Steps

```
$ wget https://dl.influxdata.com/kapacitor/releases/kapacitor_1.5.0_amd64.deb  
$ sudo dpkg -i kapacitor_1.5.0_amd64.deb  
$ kapacitord
```

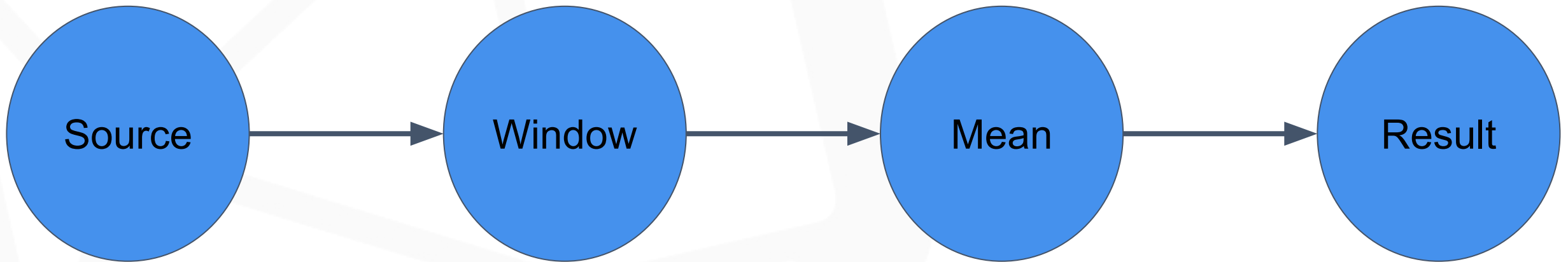
```
$ kapacitor define mytask -tick path/to/script.tick
```

https://docs.influxdata.com/kapacitor/latest/introduction/getting_started/

Flow Programing

Flow Programing

- Data is processed at each node
- Data flows along edges



Use Cases

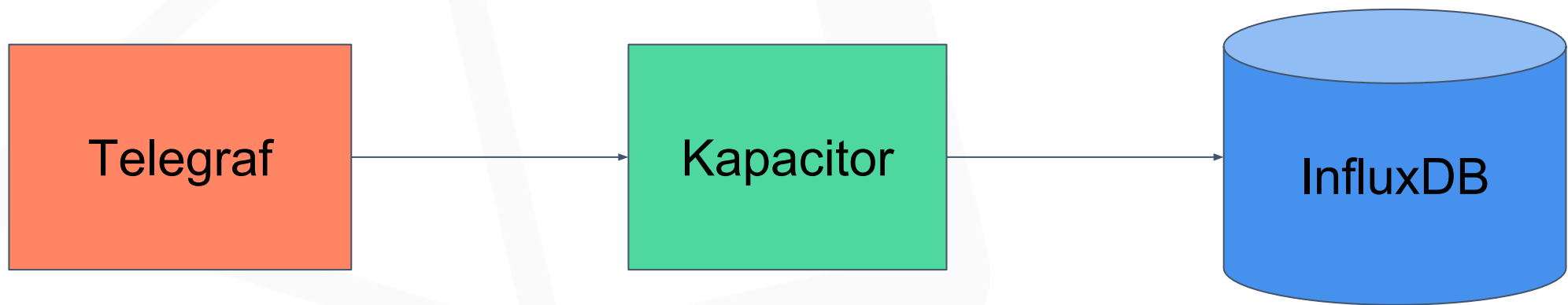
Use Cases

- Preprocess ETL
- Postprocess ETL
- Alert on Relative Change
- Hot Cache
- Autoscale Services
- Forecast Time Series

Follow along with TICKscript using:
<https://github.com/nathanielc/influxdays>

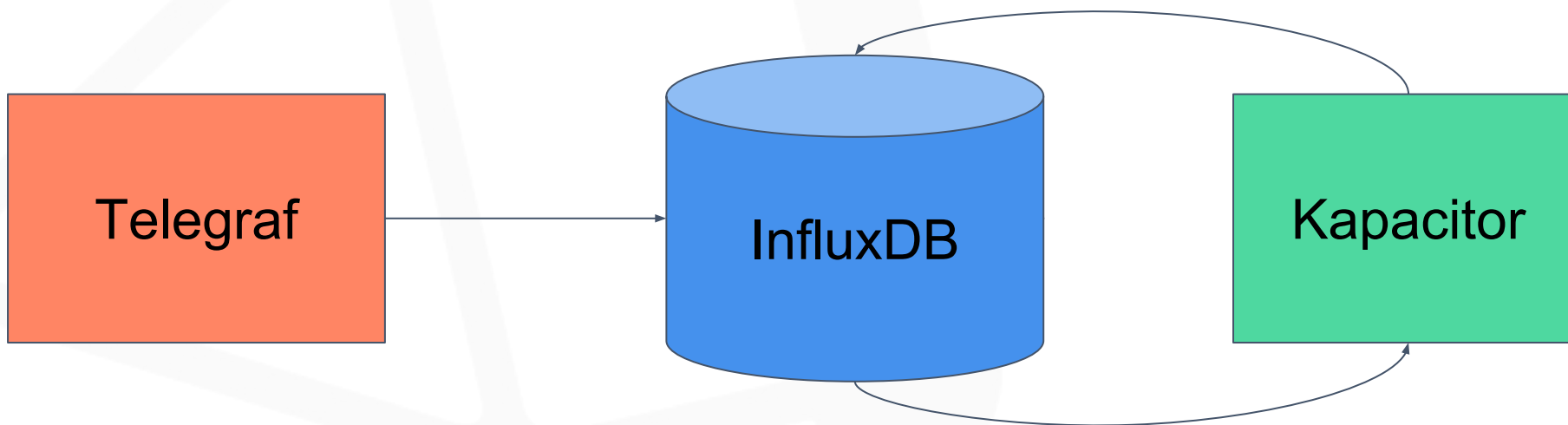
Preprocess ETL

Preprocess ETL



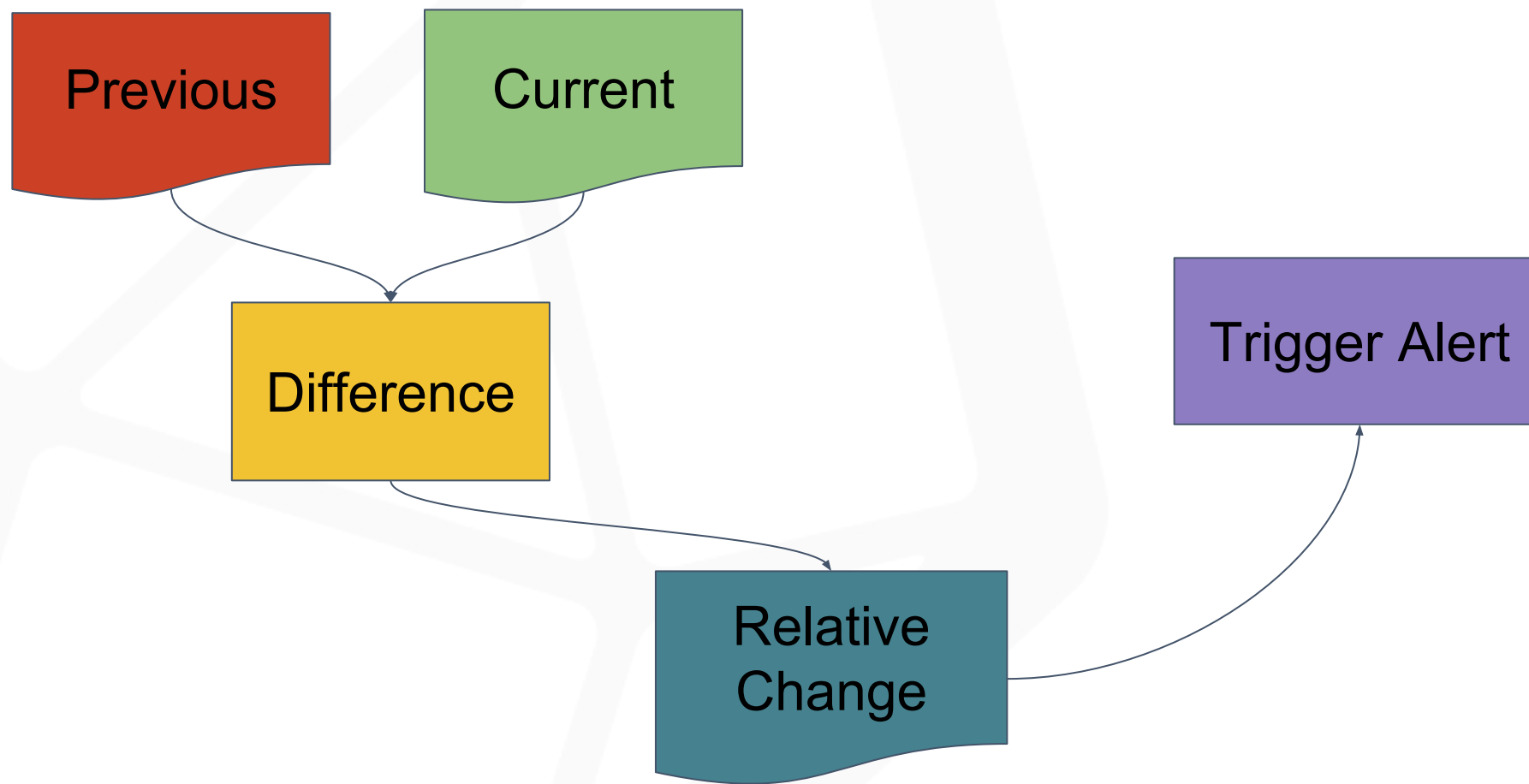
Postprocess ETL

Postprocess ETL



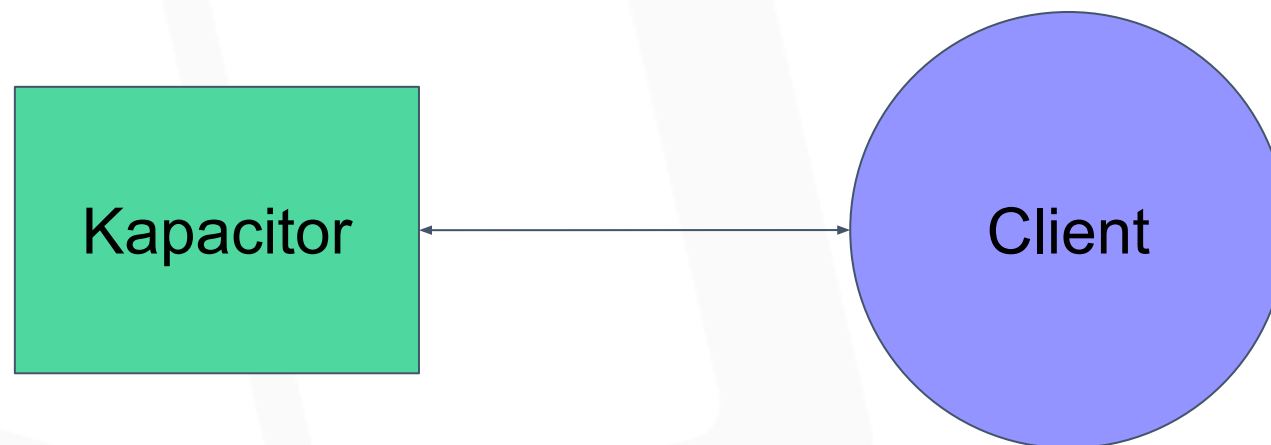
Alert on Relative Change

Alert on Relative Change



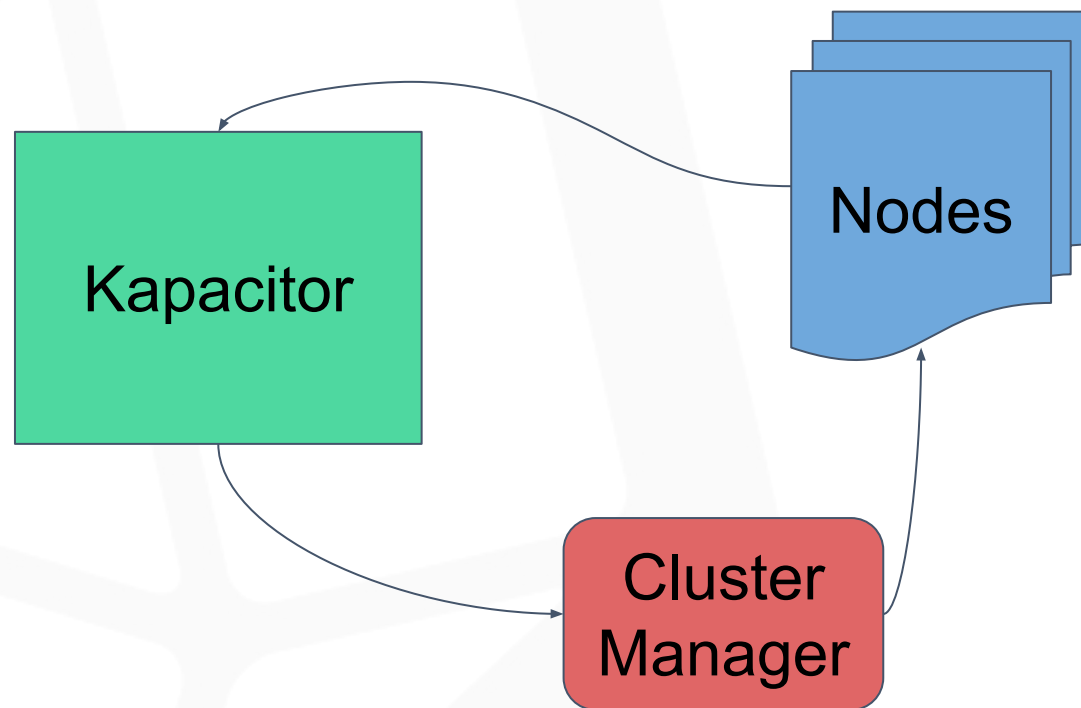
Hot Cache

Hot Cache



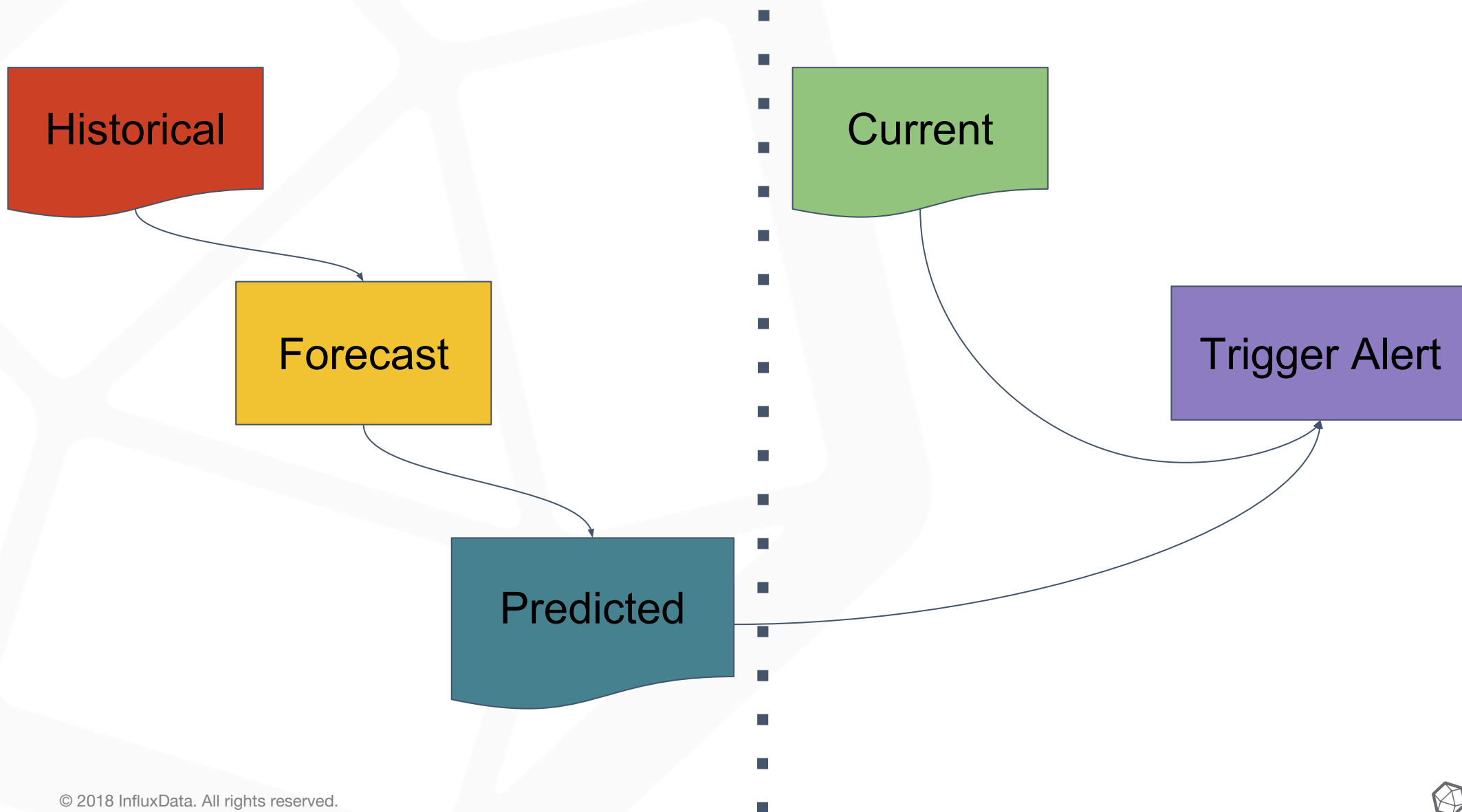
Autoscale Services

Autoscaling



Forecast

Forecast



Bring it All Together

Bring it All Together

Pick Any Combination of the use cases:

- Predictive Autoscaling
- Preprocess to clean data before forecasting
- Alert on relative change from predicted values
- Alert on autoscale events
- Hot cache autoscale metrics

Questions?

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Thank You



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