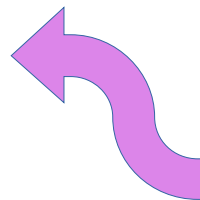
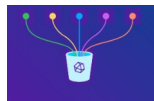


Data flow with Time Series DB

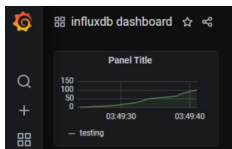
```
curl http://borg:8086/data.cgi  
-F data=@data.txt
```



```
$influx->write(  
  $point, database => $data);
```



```
http://influx:8086/write?db=data  
-d 'swap,host=host 0.85  
1656472338'
```



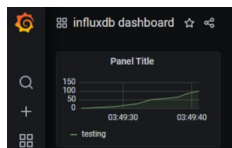
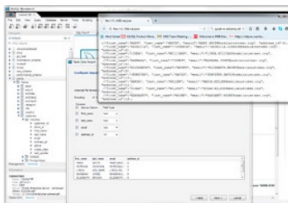
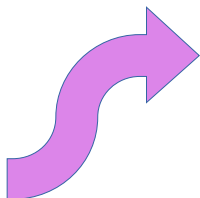
influxdb Source
<http://influx:8086>

Data flow with classic DB

```
curl http://borg:8086/data.cgi  
-F data=@data.txt
```

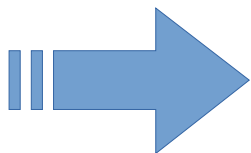
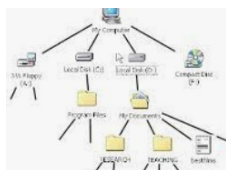


```
$DBI->prepare($query);  
$DBI->execute
```



influxdb Source
<http://influx:8086>

Ephemeral Data Point flow with Prometheus



```
go_memstats_heap_alloc_bytes 9.03912e+07
# HELP go_memstats_heap_idle_bytes Number of
# TYPE go_memstats_heap_idle_bytes gauge
go_memstats_heap_idle_bytes 4.0697856e+07
# HELP go_memstats_heap_inuse_bytes Number
# TYPE go_memstats_heap_inuse_bytes gauge
go_memstats_heap_inuse_bytes 9.2798976e+07
# HELP go_memstats_heap_objects Number of
# TYPE go_memstats_heap_objects gauge
```

<https://8443//pwp/prometheus/metrics>



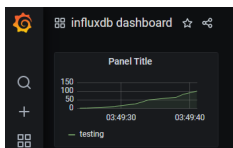
Prometheus

```
scrape_configs:
- job_name: 'application'

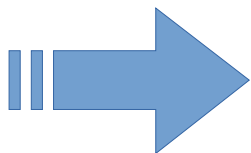
  scrape_interval: 10s
  # metrics_path: /application/metrics
  # reload after change
  metrics_path: /metrics
  honor_labels: true

static_configs:
- targets: ['application:8080']
  labels:
    group: 'application'
```

prometheus Source
<http://prometheus:9090>



Data Backfill into InfluxDB or Regular DB



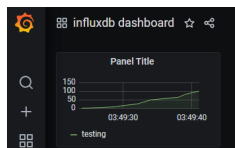
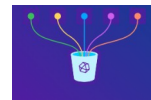
```
connection.prepareStatement(  
    "insert into data values  
    (?, ?, ?)".addBatch()
```



```
influxDB.write(  
    BatchPoints.builder().  
    points().build());
```



prometheus Source
<http://prometheus:9090>



Data flow with Influx DB *and* Prometheus (exotic scenario – not to be used)



```
curl http://borg:8086/data.cgi  
-F data=@data.txt
```

```
$influx->write(  
  $point,  
  database => $data  
);
```

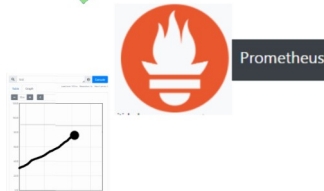
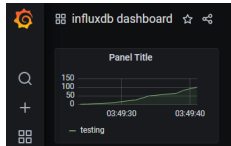


```
http://influx:8086/write?db=data  
-d 'swap,host=host 0.85  
1656472338'
```



influxdb_exporter

prometheus Source
<http://prometheus:9090>



Historic Data Ingestion Scenarios

Snapshot scraping style

Green	Blue	Pink
Green	Blue	Pink
Green	Blue	Pink
Brown	Brown	Purple
Grey	Grey	Grey

Green	Blue	Pink
Green	Blue	Pink
Green	Blue	Pink
Green	Blue	Pink
Brown	Brown	Purple



Timeseries backfill style

Dark Green	Blue	Pink
Dark Green	Blue	Pink
Dark Green	Blue	White
Dark Green	Blue	Pink
White	White	Pink



Green	Dark Blue	Pink
Green	Dark Blue	Pink
Green	Dark Blue	White
Green	Dark Blue	Pink
White	White	Pink