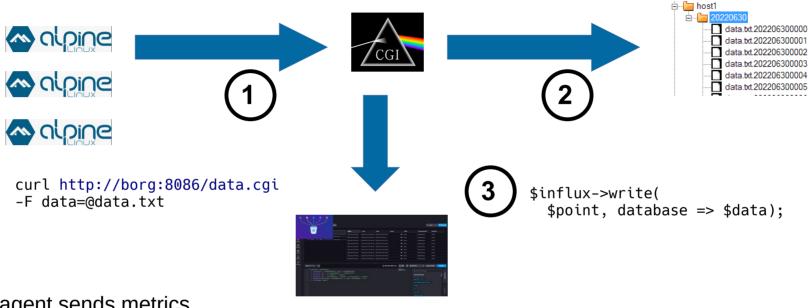
Data flow Borg into Time Series DB



- 1) agent sends metrics
- 2) metric files written
- 3) data posted to TSDB
- 4) data source loaded



Data testing with Time Series DB







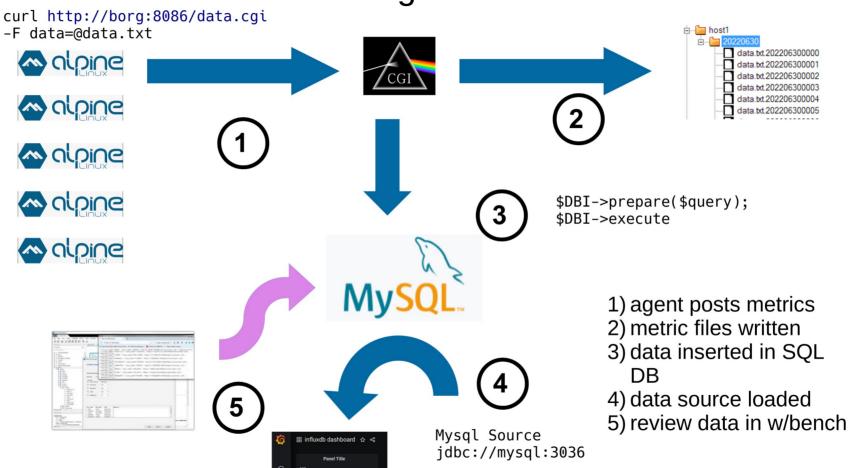


2

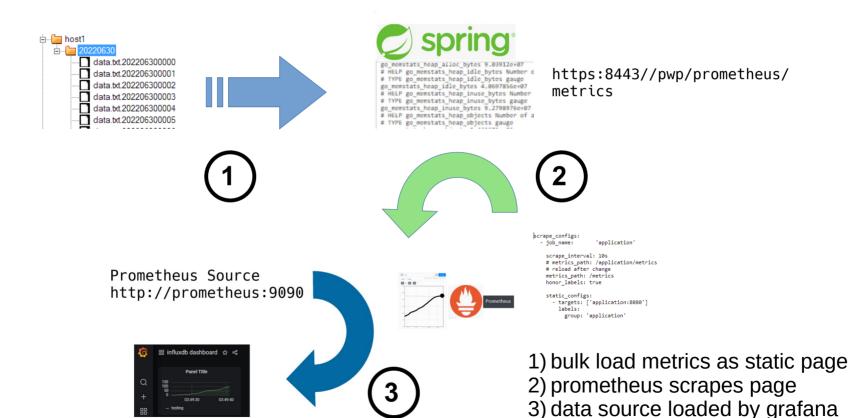
influxdb Source
http://influx:8086

- 1) data sample posted in postman
- 2) data source loaded

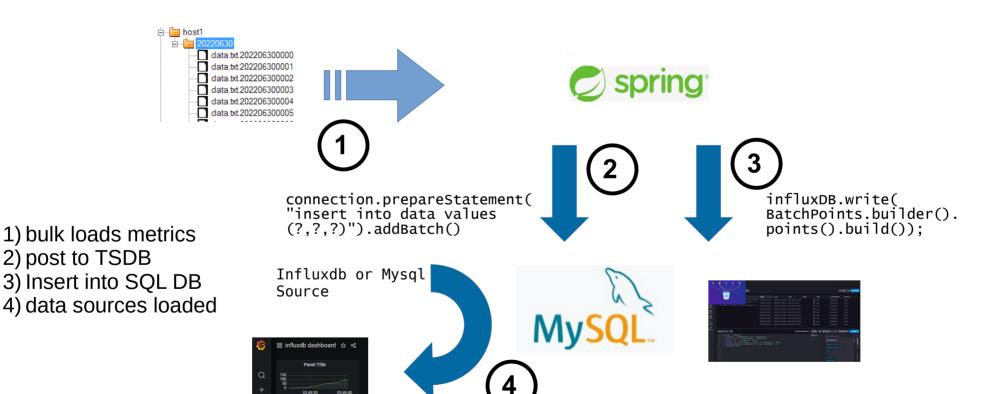
Data flow Borg classic DB



Ephemeral Data Point flow with Prometheus



Data Backfill into InfluxDB or Regular DB



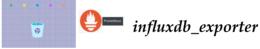
Data flow with Influx DB *and* Prometheus (exotic scenario – not to be used)





curl http://borg:8086/data.cgi
-F data=0data.txt





Prometheus Source http://prometheus:9090





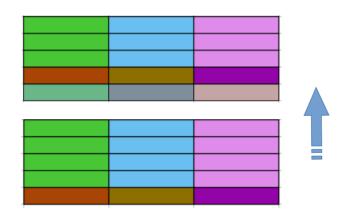




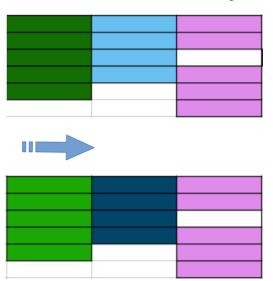


Historic Data Ingestion Scenarios

Snapshot scraping style



Timeseries backfill style



InfluxDB 1.x vs. 2.x

SQL Query style

```
db = InfluxDBFactory.connect host user, pass
point = Point.measurement seriesName
   .time System.currentTimeMillis()
   .tag "hostname", hostname
   .addField "idle", 40L
   .build()
db.writePoint point
BatchPoints.builder().points(points).build
db.write batchpoints
db.write "cpu,hostname=host value=60.0"
```

```
influxDB = InfluxDBFactory.connect
query = new Query queryString, databaseName
response = influxDB.query "select * from
testing"
results = response.getResults
while results.iterator.hasNext
```

NoSQL Style

```
client = InfluxDBClientFactory.create host, token, org
api = client.getWriteApiBlocking
api writePoint
     Point.measurement "cpu"
.addTag "hostname", "hostname"
.addField "value", 55D
      .time Instant.now()
api.writeRecord
      "cpu, hostname=host value=60.0"
api.writeMeasurement new POJO
client = InfluxDBClientFactory.create host, token, org
api = client.getInfluxQLQueryApi
tables = queryApi.query
           from(bucket:testbucket)
            |> range(start: 0)
            |> filter(fn: (r) => r["_measurement"] == "cpu")
records = table getRecords
record.getValueBvKev
```

Misc.

- (1)
- (2)
- 3
- (4)
- (5)

- 1) data sample posted in postman
- 2) data source loaded
- 3) review data in Workbench