

BLUEFLOOD

MULTI-TENANTED TIME-SERIES DATASTORE

[HTTP://BLUEFLOOD.IO](http://blueflood.io)

ALEX SCAMMON

**BUILT WITH LOVE BY ENGINEERS AT
RACKSPACE.**

THANKS TO THE CURRENT TEAM:

**SHANE DUAN
TILOTTAMA GAAT
CHINMAY GUPTA
GEORGE JAHAD
DOMINIC LOBUE**

AND COMMUNITY MEMBERS:

THANKS TO:

**JAMES BURKHART
GARY DUSBABEK
LAKSHMI KANAAN
JEEYOUNG KIM
AND OTHERS...**

BLUEFLOOD

WHAT IS IT?

LAKSHMI SEZ:
**"A GIANT DISTRIBUTED
CALCULATOR THAT LOVES
NUMBERS."**

**GARY SEZ:
"DISTRIBUTED SYSTEM TO
MANAGE TIME SERIES DATA"**

**WE SAY:
"MULTI-TENANT DISTRIBUTED
METRIC PROCESSING SYSTEM"**

WHAT DOES
BLUEFLOOD DO?

BLUEFLOOD PRIMARY COMPONENTS

INGEST MODULE - HANDLES INCOMING WRITES

INDEXING MODULE - INDEXES METRICS AS THEY ARRIVE

ROLLUP MODULE - COMPUTES AGGREGATIONS/SUMMARIZATIONS

QUERY MODULE - HANDLES USER QUERIES

**WHY SHOULD ANYONE
CARE?**

COMPARED TO THE
OTHERS?

SO WHAT'S NEW?

REST API

ELASTICSEARCH INDEXER

EXPORTERS

BATCH OPERATIONS

MORE STATSD SUPPORT

INGESTION INTEGRATIONS

STATSD

LOGSTASH

RIEMANN

COLLECTD (IN
PROGRESS)

MORE TO COME...
(HAVE IDEAS? WE ACCEPT PR'S!!)

VISUAL INTEGRATIONS

GRAPHITE-WEB

GRAFANA

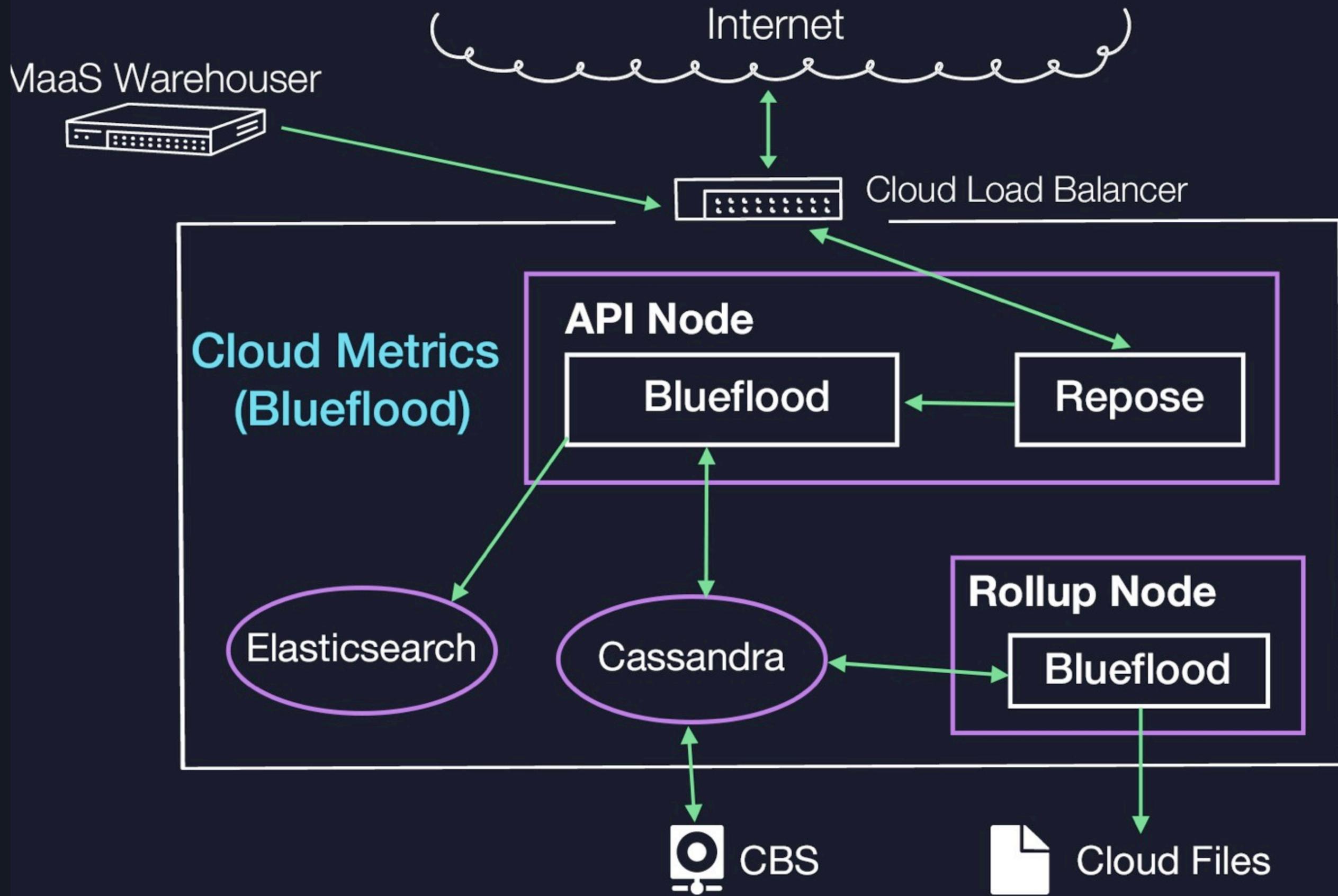
**EVEN MORE
IMPROVEMENTS...**

[HTTPS://GITHUB.COM/RACKERLABS/BLUEFLOOD/COMMITTS/MASTER](https://github.com/rackerlabs/blueflood/commits/master) FOR PROOF

CLOUD METRICS

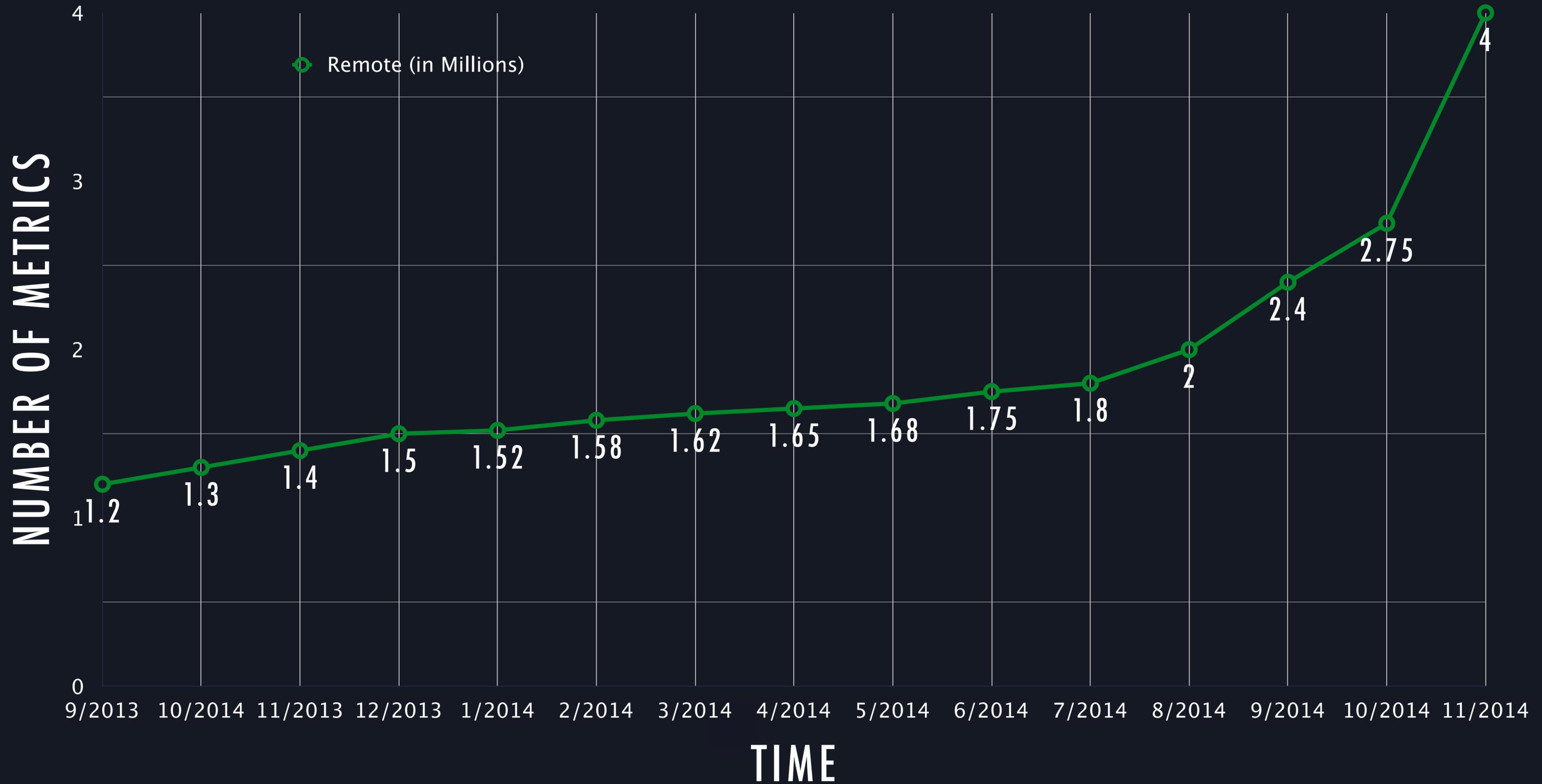
WHAT IS 'CLOUD
METRICS' THE TEAM?

OUR CLUSTER



HOW MANY?

NUMBER OF INGESTED METRICS/MIN IN MILLIONS



OPERATIONAL IMPROVEMENTS

UPGRADED TO
CASSANDRA 2.0

**MOVED TO VIRTUAL
HARDWARE**

THE GLORIOUS FUTURE

ONMETAL

ARCHITECTURAL CHANGES

**HOW DOES THIS RELATE
TO YOU?**

GRAFANA

DEMO-TIME

A LARGER MESSAGE

A UNIFIED METRICS WORLD

**AGAIN, THANKS TO COMMUNITY
MEMBERS (AND ALUMS):**

**JAMES BURKHART
GARY DUSBABEK
LAKSHMI KANAAN
JEEYOUNG KIM
AND OTHERS...**

QUESTIONS?

FOR MORE INFORMATION

- **Blueflood**
 - <http://blueflood.io>
 - <https://groups.google.com/forum/#!forum/blueflood-discuss>
 - IRC: freenode at #blueflood
- **Cloud Metrics + Grafana**
 - <https://github.com/rackspace-orchestration-templates/grafana>

THANKS!