

How Gathering Metrics can Save Your Bacon

Brian Hawkins - Staff Engineer at Proofpoint Inc.

Thanks

GrafanaLabs

Kairos Community



Who is Proofpoint

Advanced Threat Protection

- Email
- Social media
- Network
- ...

Big names use Proofpoint to protect their data

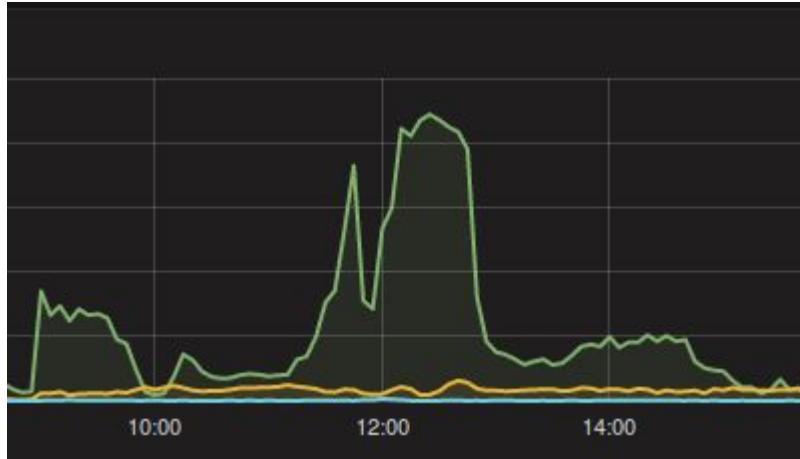


Who is Brian Hawkins

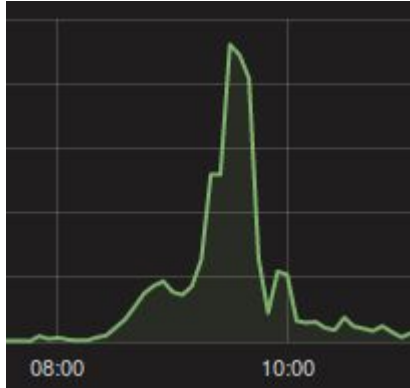
- Staff Engineer at Proofpoint
 - Big Data
 - Cassandra
 - Kafka
 - Storm
- Co created KairosDB (with Jeff Sabin)
- A guy who now stares at graphs a lot



What is it?



What is it?



What is KairosDB

- Inspired by the features of OpenTSDB
- Uses Cassandra as the backend
- Needed to consume both system and application metrics for Proofpoint
- Consumes ~20 billion data points a month
- System scales really well



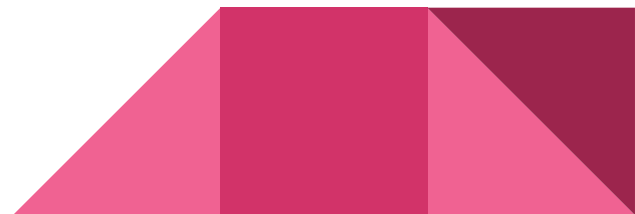
KairosDB Features

- 20+ Aggregators
- Easy to create plugins
- Flexible storage types (int, float, string, custom)
- Integrations with CollectD, Solr, Graphite, Grafana, ...
- Easy to setup and administer
- Fast to ingest data





“Write once, read never” - author of TSCacheD



Store a lot of metrics

Just be careful how often you store them



Metrics Are Everywhere



Super Store X



Your Boss

MORE DASHBOARDS!!!



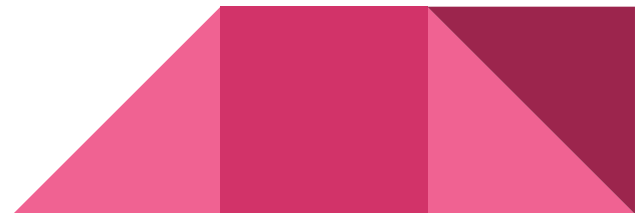
Saving Bacon

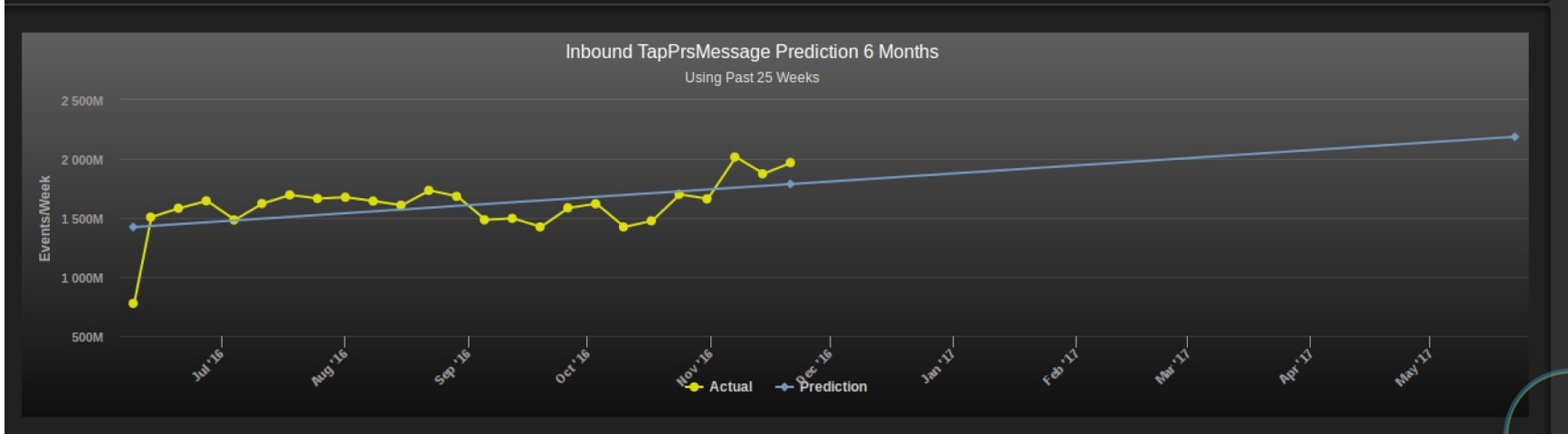
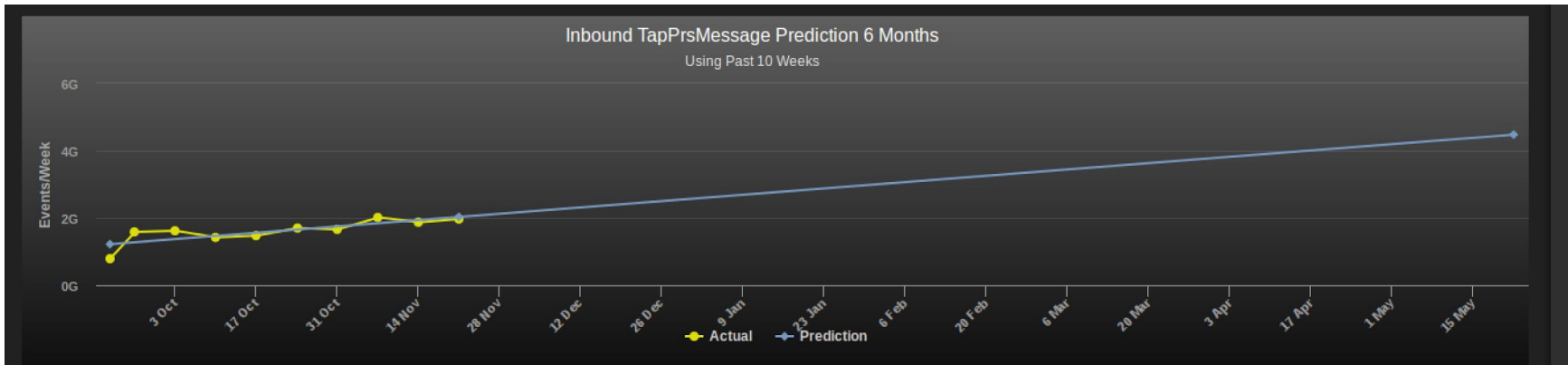
Web Service Doing Dual Duty

Java Off Heap Memory

Save the Middle Man

Predicting the Future





Questions?

