

Monitoring MongoDB with Percona Monitoring and Management (PMM)

Michael Coburn
Percona



Michael Coburn

- Product Manager for PMM (as well as for Percona Toolkit)
- At Percona for 6 years across multiple MySQL roles
 - *Principal Architect, Managing Consultant, Technical Account Manager*

What is PMM

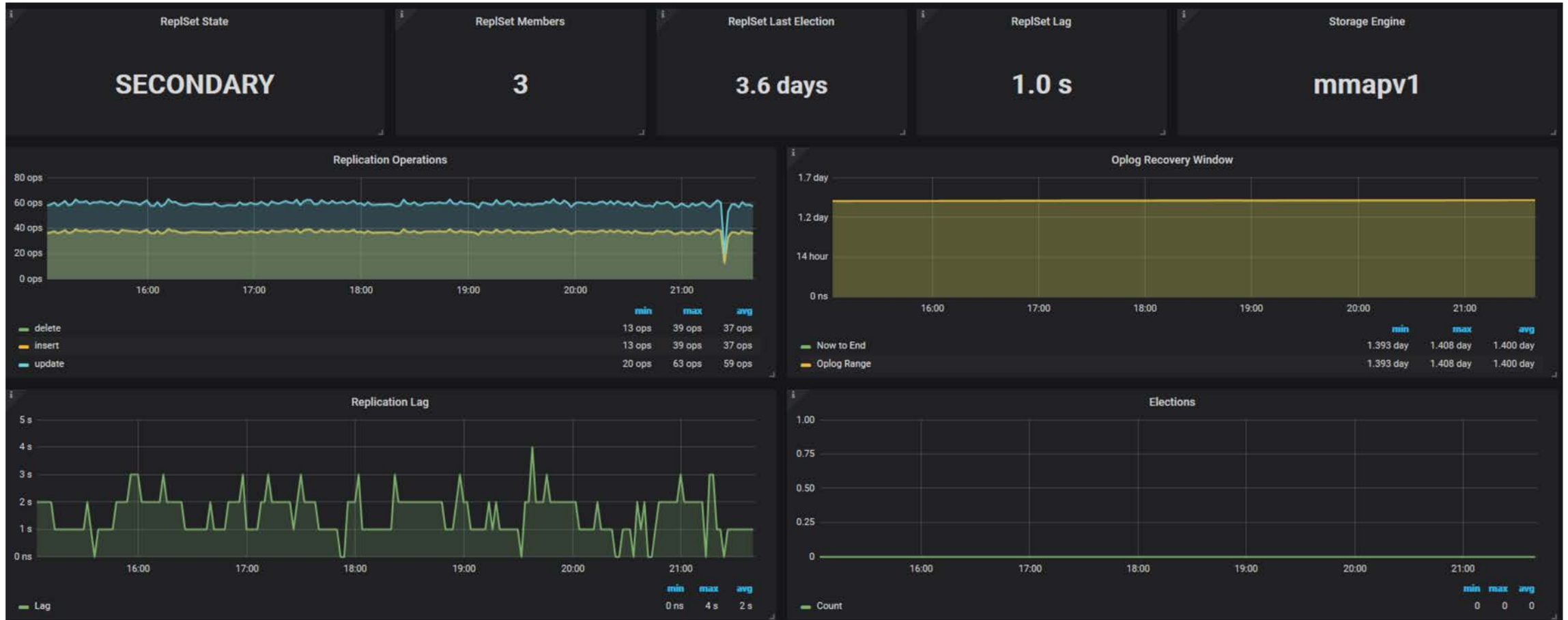
- Free, Open Source database troubleshooting and performance optimization platform for MySQL, MongoDB, and PostgreSQL
 - *We also support:*
 - ProxySQL
 - Amazon RDS MySQL & Aurora MySQL
 - Remote MySQL & PostgreSQL instances
- Runs in **your** secure environment (this is not a SaaS product!) and on **your** equipment
- Secured with SSL between client and server

Dashboards

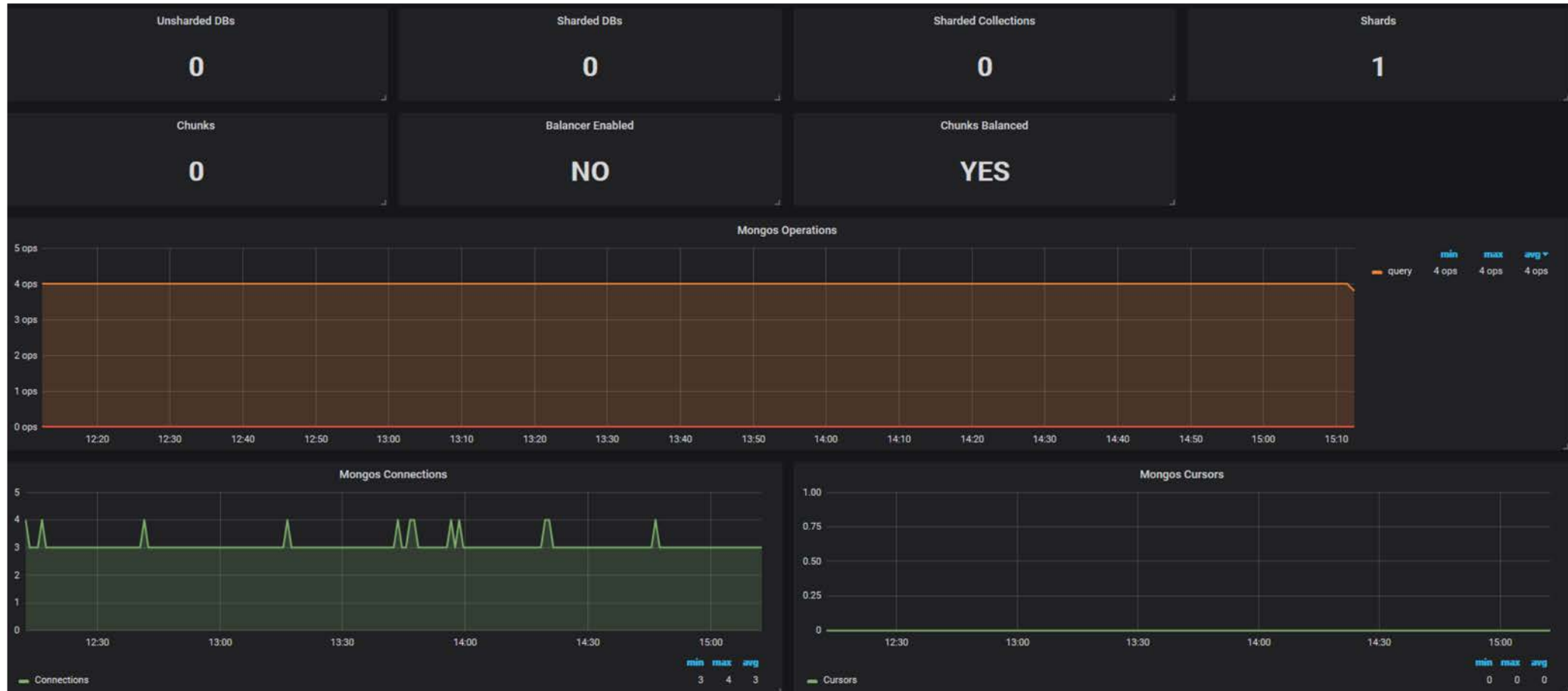
MongoDB Overview



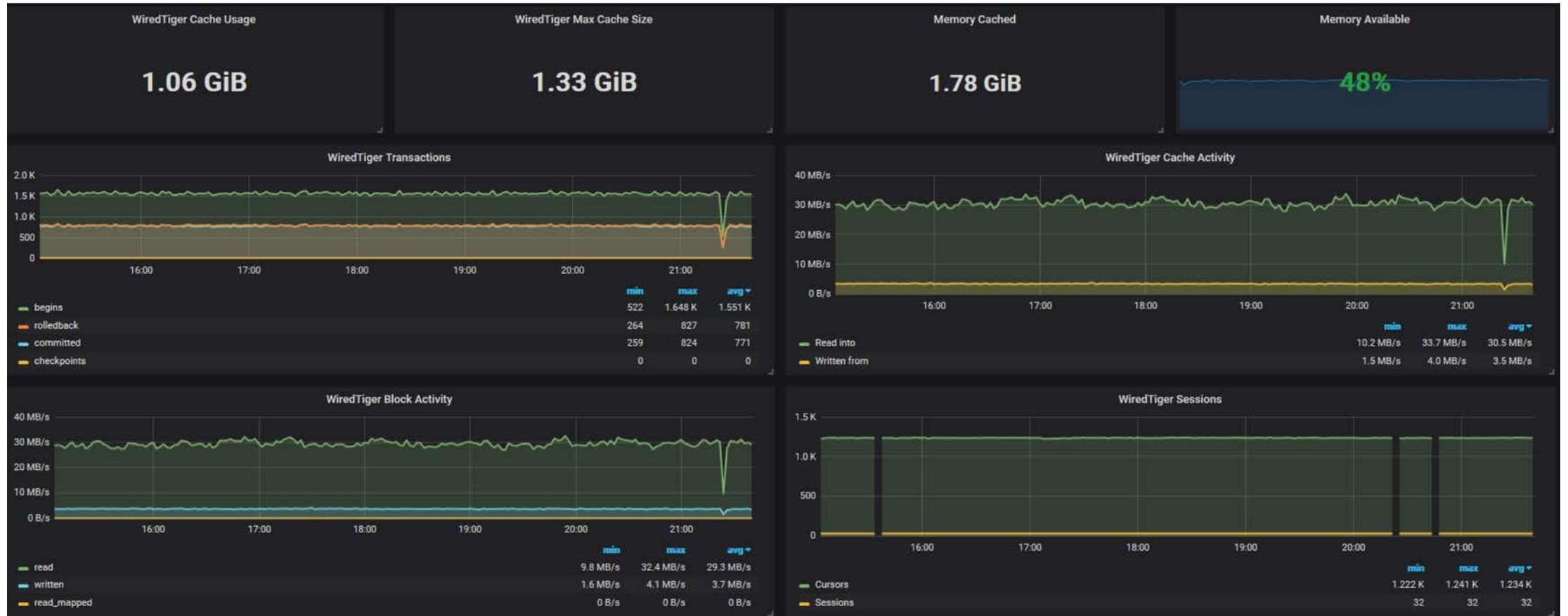
MongoDB ReplSet



MongoDB Cluster Summary



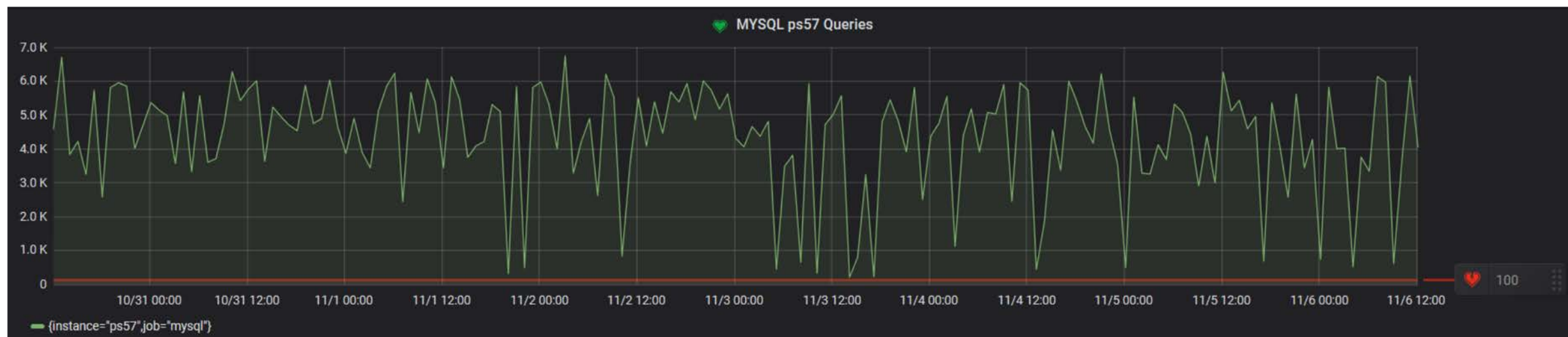
MongoDB WiredTiger



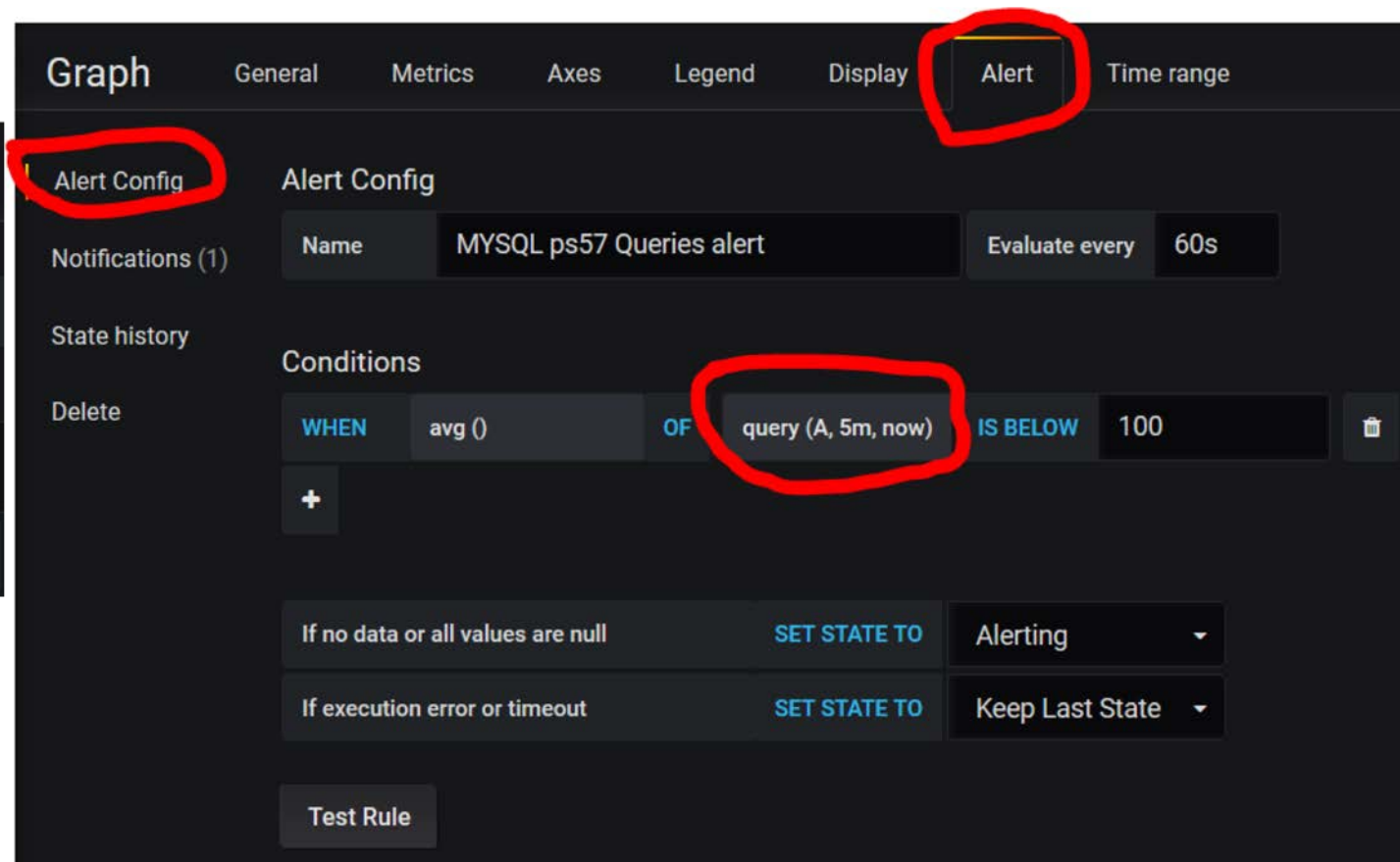
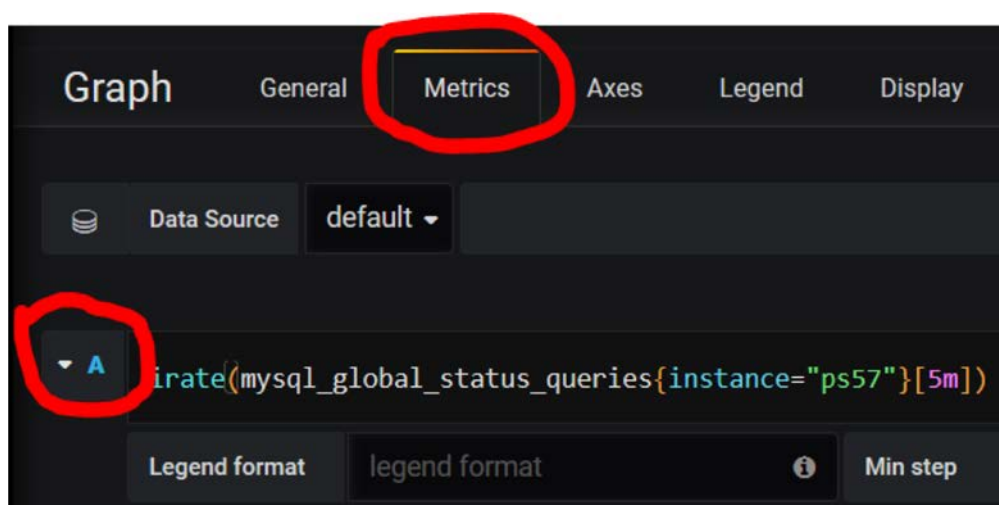
Using Grafana Alerting

Grafana Alerting

- Rules are added to graphs that react based on defined thresholds
- Alerts are sent to pre-defined Notification Channels
 - *You can have multiple channels defined*

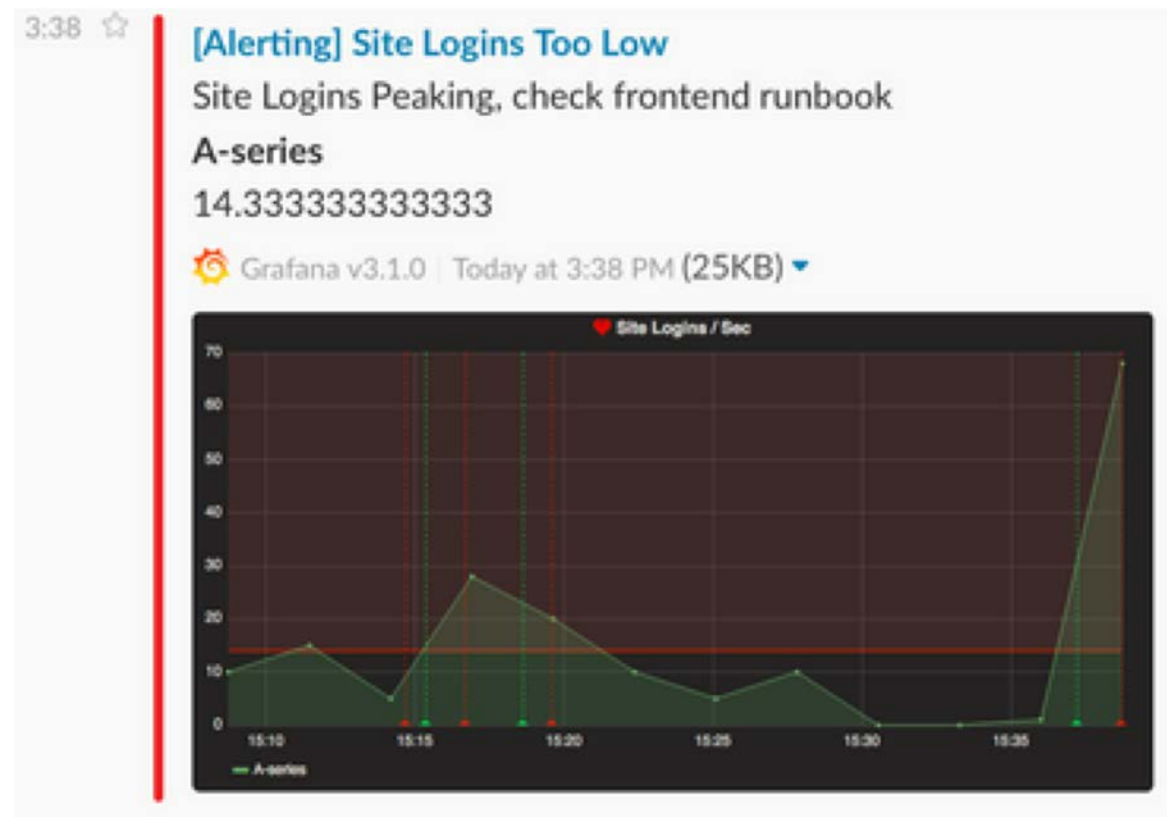


Grafana Alerting



Grafana Notification Channels

- Defines how you will learn about new alerts
- Over a dozen are available:
 - *Email*
 - *Slack*
 - *PagerDuty*
 - *AlertManager*
 - ...



What's on the Roadmap

- PMM 2 – beta next week!
 - *Faster Query Analytics, support for large Enterprise environments*
 - *Filters and labels support*
 - *PostgreSQL Query Analytics*
- Alerting using Prometheus AlertManager

PMM 2 Query Analytics



PMM 2 Query Analytics

TOTAL


COLLSTATS replset.mininvalid collStats,mode,scale

Details

Examples




Metric	Rate/Second	Total	Per Query Stats
docs_returned	-	-	-
docs_scanned	-	-	-
query_time	1.02 	12:14:07	1.02 sec 
response_length	13.94k 	602.21m	13.94k 

Percona Live Austin – May 28-30, 2019

**PERCONA
LIVE****AUSTIN, TEXAS**
28-30 May 2019




Presenting:

Open Source Database Performance Optimization and Monitoring with PMM

 May 28th  9:30 AM  Texas 7




Presenting:


Monitoring MongoDB with PMM

 May 30th  2:00 PM  Texas 5


Presenting:

Monitoring PostgreSQL with PMM

 May 30th  4:40 PM  Foothills 1



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