Monitoring PostgreSQL with Percona Monitoring and Management (PMM)

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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

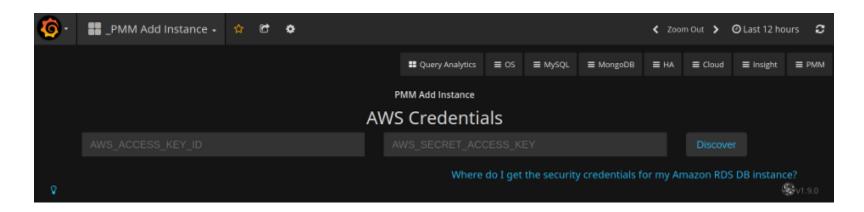
- Free, Open Source database troubleshooting and performance optimization platform for MySQL, MongoDB, and PostgreSQL
- We also support:
 - ProxySQL
 - Amazon RDS MySQL & Aurora MySQL
 - Remote MySQL & PostgreSQL instances
- Runs in your secure environment (this is not a SaaS product!) and on your equipment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

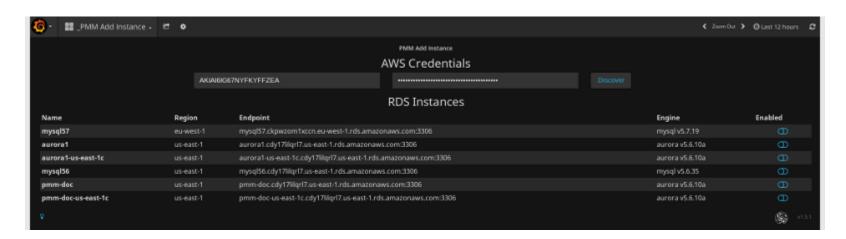


Amazon RDS and Aurora

PostgreSQL

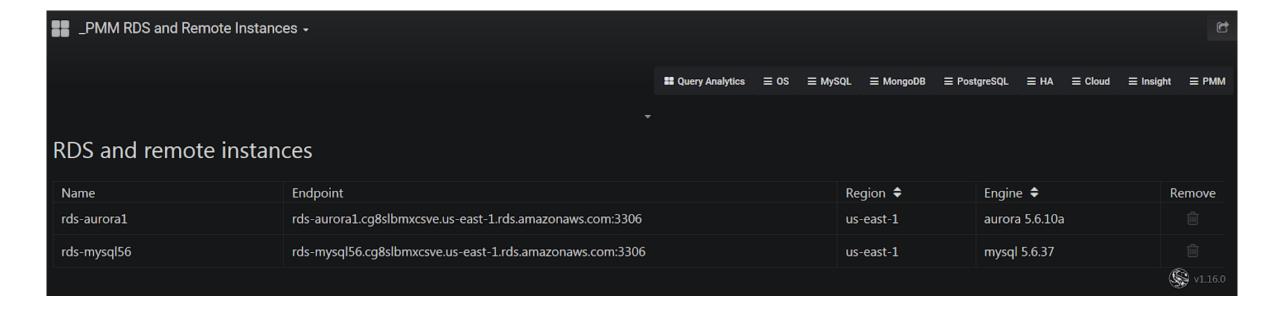
Add Instances







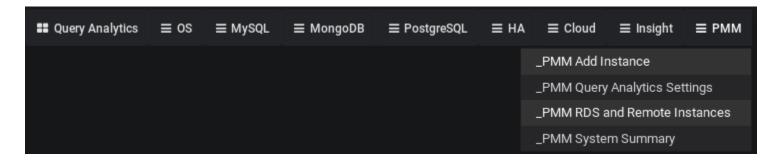
List Instances

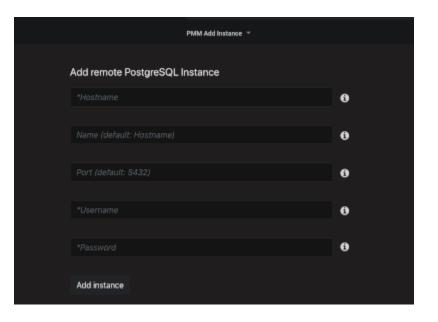




For when you don't have shell, or run an unsupported platform (eg. PostgreSQL on Windows)

Add Remote Instances







Command Line

Command Line

- yum -y install pmm-client
- pmm-admin config --server 1.2.3.4
- pmm-admin add postgresql
 - linux:metrics
 - postgresql:metrics



Dashboards

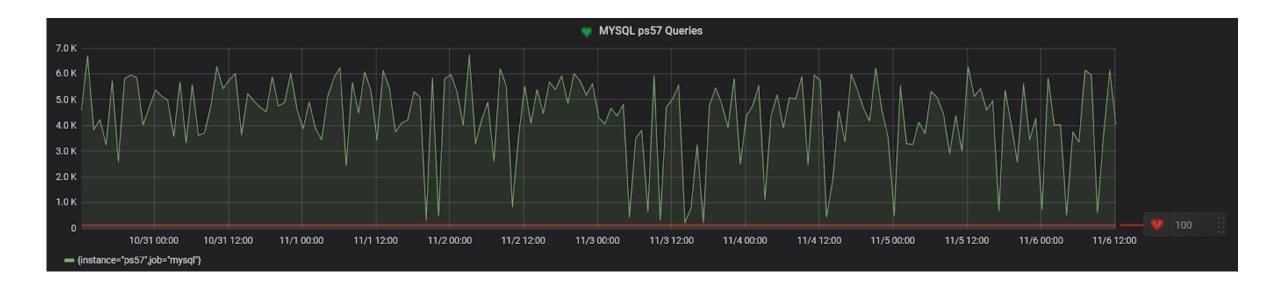
PostgreSQL Overview



Using Grafana Alerting

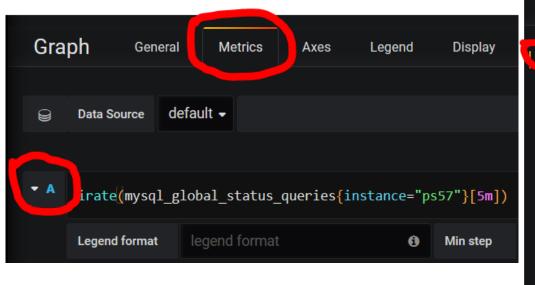
Grafana Alerting

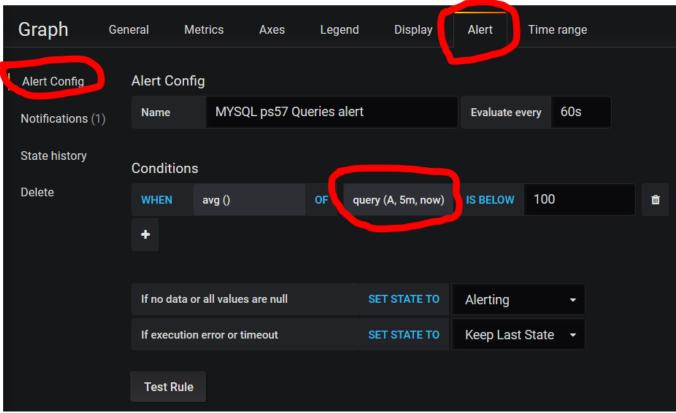
- Rules are added to graphs that react based on defined thresholds
- Alerts are sent to pre-defined Notification Channels
 - You can have multiple channels defined





Grafana Alerting



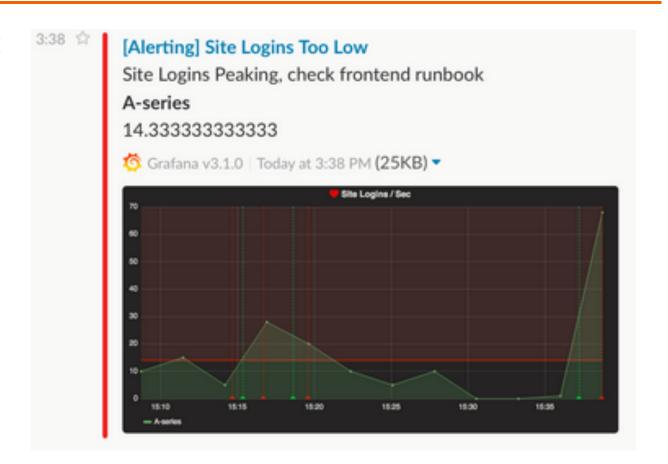




Grafana Notification Channels

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

• ...





What's on the Roadmap

- PostgreSQL Query Analytics
- Vacuum statistics
- Replica metrics

