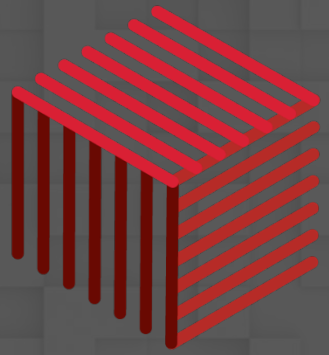

IRONdb

POWERED BY CIRCONUS

About me

Riley Berton - VP Engineering, Circonus

tweets -> @rileyberton, @circonus

- Founded 2010 - We've been at this awhile
- Monitoring and Analytics
- Used by many tech companies on-prem
- Also SaaS at http://login.circonus.com

Time series is our business

- Many **on-prem** clients are large tech orgs you have heard of:
  - One of the largest consumer electronics companies in the world
  - One of the largest telecom and cable providers in the US
  - The popular site you go to to find out you have cancer
  - etc...
- Operating at very large scale - **millions of time series**

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Time series is our business

- Early on Circonus decided it needed its own time series database
- Operating a SaaS business required high availability, fault tolerance, and scale
- On-Prem option means it has to be relatively easy to operate and fail rarely (or never)

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Graphite?

- Many on-prem clients also have graphite installations
- The developers love graphite and its ease of use and it's hard to get them to migrate off (understandably)
- Ops folks dislike the cost, maintainability and scale issues of graphite/whisper

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Announcing IRONdb BETA

- Circonus's distributed, fault tolerant, highly scalable database for time series
- **Now with graphite collection support**
- **http://irondb.io**

IRONdb is:

- Illumos
- ZFS
  - Prevent bit rot and data loss
- Distributed
- Replicated
  - Lose node(s) and data still available
- Multi-DC aware
  - Lose a DC and data still available
- Huge installations
  - Theoretically capable of 1000s of nodes and millions of time series

★ Graphite and Grafana compatible
  - Grafana datasource in the works - will expose the analytics power of Circonus inside Grafana

★ Performant

★ Built in UI
  - Track latency of ops on each node

★ And many more

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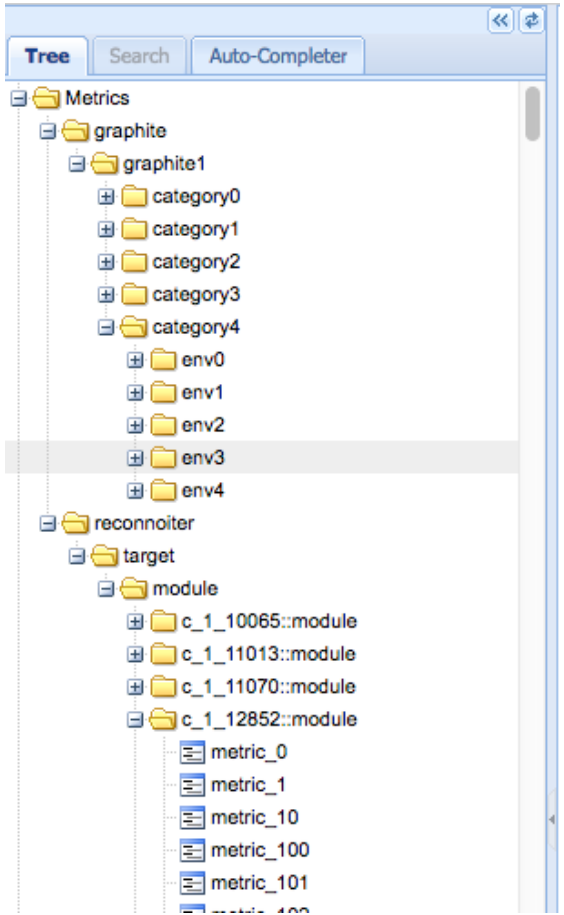

<- Graphite

and

<- Reconnoiter

Both appear in graphite-web
or Grafana interfaces

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IRONdb.io

For a Durable, Scalable
Graphite Infrastructure

25,000 metrics
FREE

100,000 metrics
$10k

100,000,000 metrics
$1MM

irondb.io