



# What's new and what's planned?

<https://pcp.io>

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# What's new – last 6 months

- **Some highlights ...**
  - PCP 4.0!
    - Label metadata
    - eBPF/BCC metrics, histograms
    - Prometheus endpoint metrics
    - pmrep(1), pcp-dstat(1)
    - pcp-zeroconf

# What's new - last 6 months

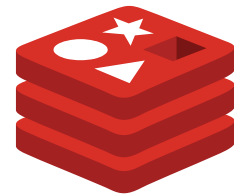
- **Some highlights ...**

- Archive compression
  - Larger logs - inline deflate
  - Multiple data volumes, metadata
- Linux kernel metrics
  - AIO, OOM, VDO, VFS locks, session counters
  - UDP, TCP, AF\_Unix, raw ... connection state

# Google Summer of Code

- **5 Projects this year**

- eBPF/BCC and Vector
- Windows Installer
- Mac OS X Installer
- pmproxy support for RESP
- MMV instrumentation - labels



# What's planned ... next 6 months

- **Scalable time series**

- Label-based querying to 1,000s of nodes
- Automatic and on-demand ingest
  - "Cloud native"
- Improved (native) Grafana PCP support
  - pmseries REST API

- **More metrics**

- Postgres v10, netlink, OVS, ...

# What's planned ... next 6 months

- **Process improvements**

- Build, test and release (more) automation
- Presence - more conferences, talks, articles, blog posts ...
- CII best practices -> CNCF

- **Improved Containers**

- Light weight, easier-to-use REST API
- Simpler, smaller

# What's planned ... 2019 & beyond!

- **Event notification**

- Beyond the event metric concept
- Instant notifications

- **Research areas**

- Scaling to 10,000+ nodes
- Query language refinement
- PCP time series meet redis-ml



# Questions?

<https://pcp.io/roadmap>

