

# How to ~~not~~ use Prometheus and Grafana with Prusa printers

Pavel Strobl

# Who am I?

- Pavel Strobl
- DevOps engineer for Prusa Research
- HW wannabe
- Car enthusiast
- Homebrewer (Sorta)



Hello-There.svg

# What is Prometheus exporter?

- /metrics
- Endpoint for Prometheus Scraper
- Instrumenting metrics
- TL;DR:
  - “Text file” that Prometheus gets and stores



Metrics-Emperor.svg

# But why?

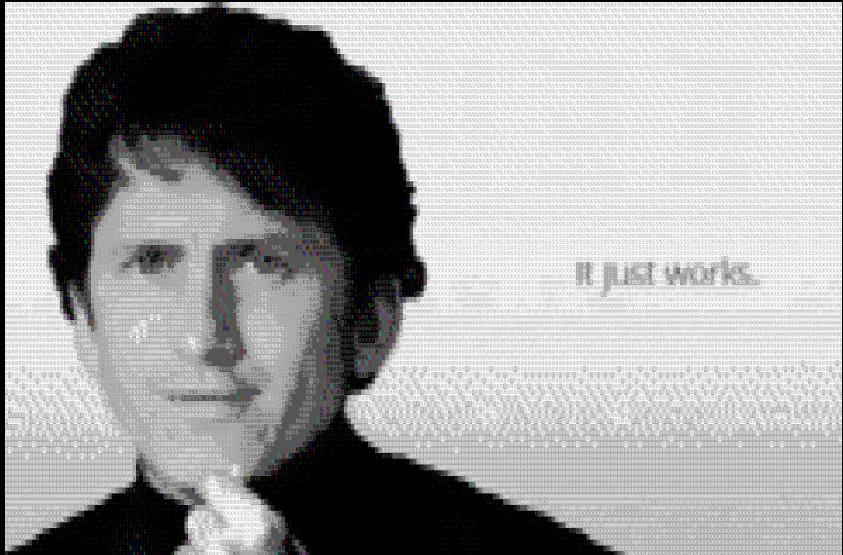
- Few printers
- Centralisation of metrics
- Long preservation of data
- Alerting
- Freedom
- Machine learning?



Pleasure-Room.svg

# How it works?

- “It just works.”
- GoLang
- Three Prometheus Handlers
  - Legacy (DEPRECATED)
  - Buddy
  - Einsy
- Multi-target
- A lot of messy metrics



It-Just-Works.svg

# DemOps!

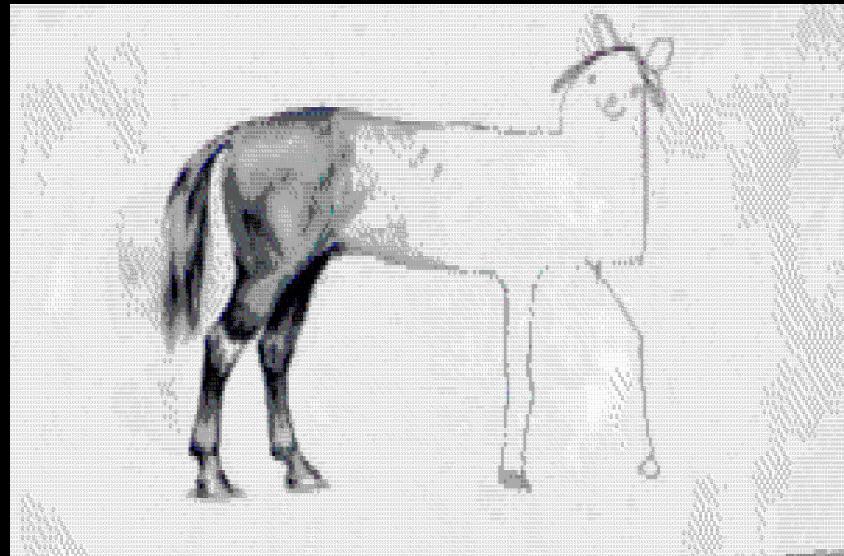
Hopefully



Wonka-Grafana.svg

# Current status

- It works... somehow
- WIP - More like PoC
- It needs polishing
- Logging data from printers to Loki
- And much more



Horse.svg

# Thanks!

See you later...

Alligator



QR-Github.svg