

## RED Metrics at Mailchimp

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### Metrics Are Hard.

### Loads of information



Disparate data from multiple sources

Pressure from all directions



### Loads of information



Disparate data from multiple sources

Pressure from all directions

Loads of information

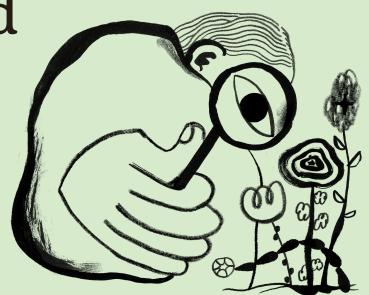
Why?

Disparate data from multiple sources

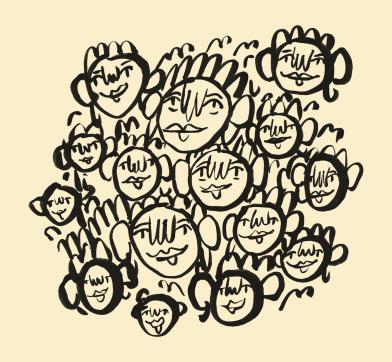
Pressure from all directions



Always have to be concerned with precision and focus!



2019



More people want more metrics every single day

# HOW?

How do we support all the products and services we offer to our customers, while maintaining our infrastructure and pulling meaningful data out of the system to help ourselves improve?



### How?

Follow the SRE montra of the 4 golden signals:

- Latency
- Traffic
- Errors
- Saturation



https://landing.google.com/sre/sre-book/chapters/monitori ng-distributed-systems/#xref\_monitoring\_golden-signals

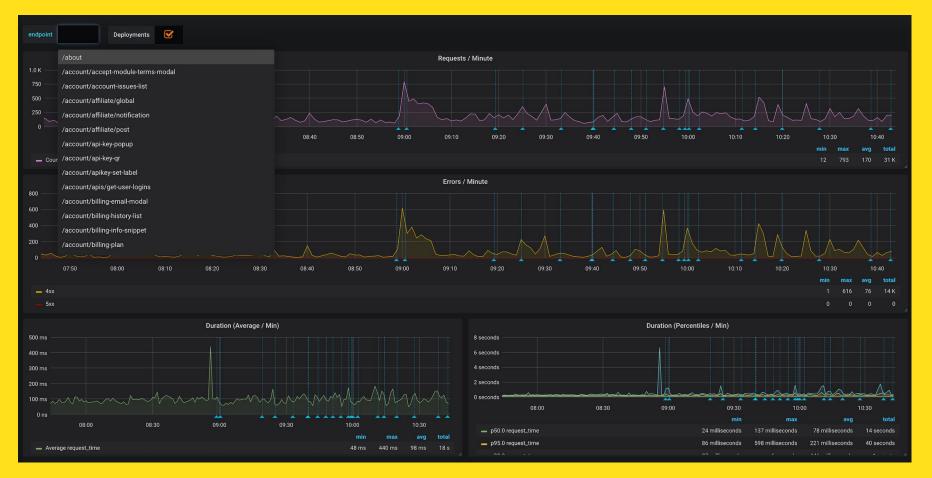
### Use RED Metrics

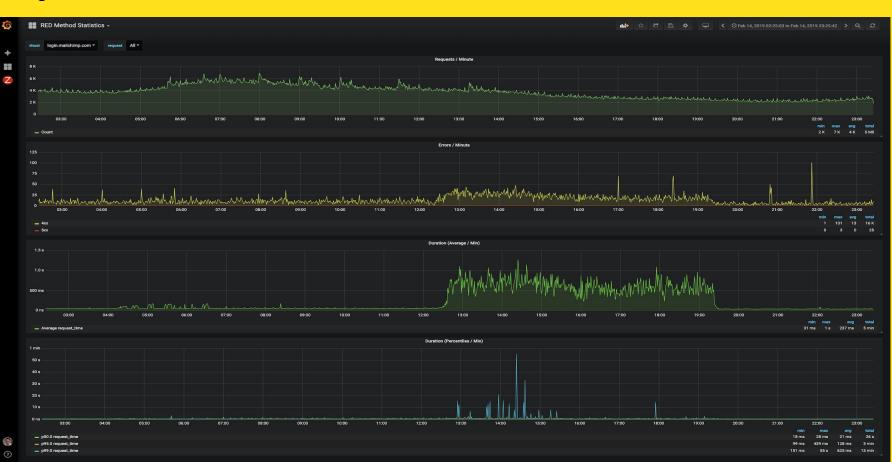
https://www.weave.works/blog/the-red-method-key-metric

s-for-microservices-architecture/









Engage with teams outside of SRE

Enable developers to write performant code

Expose problems before they have user facing impact



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## Thank you.

