



Using Observability to Guide Professional Growth

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He/Him





Google



the CTO

Your ~~a~~ wizard
Harry.

Three Key Questions

- ▶ Are the changes I'm making effective?
- ▶ Where do I need to focus on growth?
- ▶ What should I be seeing, that I'm not?



Looking for Answers



Your Network

- ✓ Shared challenged and context
- ✓ Great sounding board
- ✓ Unique perspectives & experience
- ★ Filtered through your own perspectives

Your Team

- ✓ Most important source of feedback
- ✓ Measure of how you're being perceived

★ High latency

★ Accuracy is situational



What is Observability?

The comprehensive collection of data as a way to build an understanding of the ways in which a complex system is functioning



This data exists today



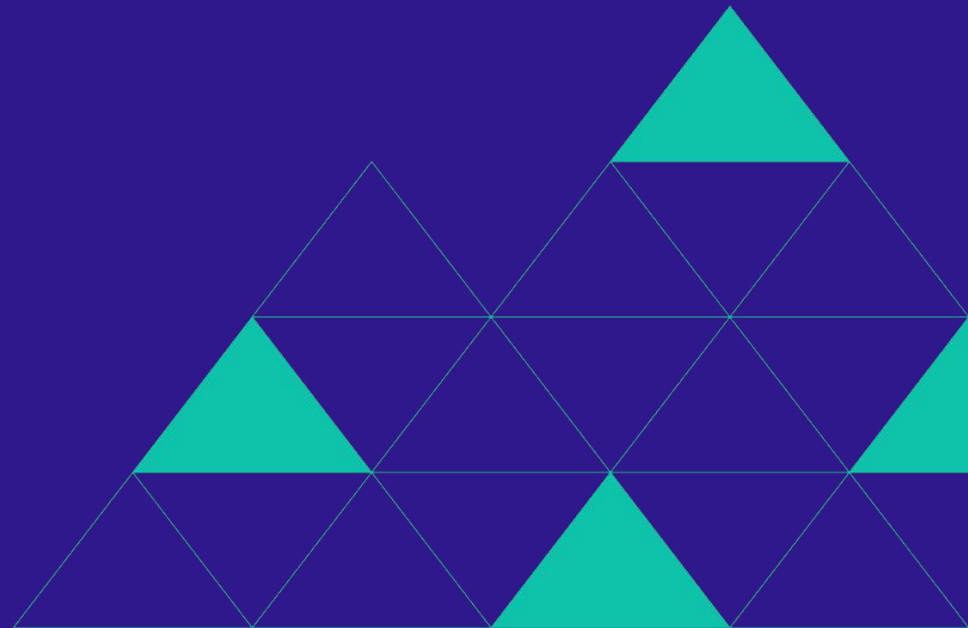
**Commit
cadence**

**Code
Reviews**

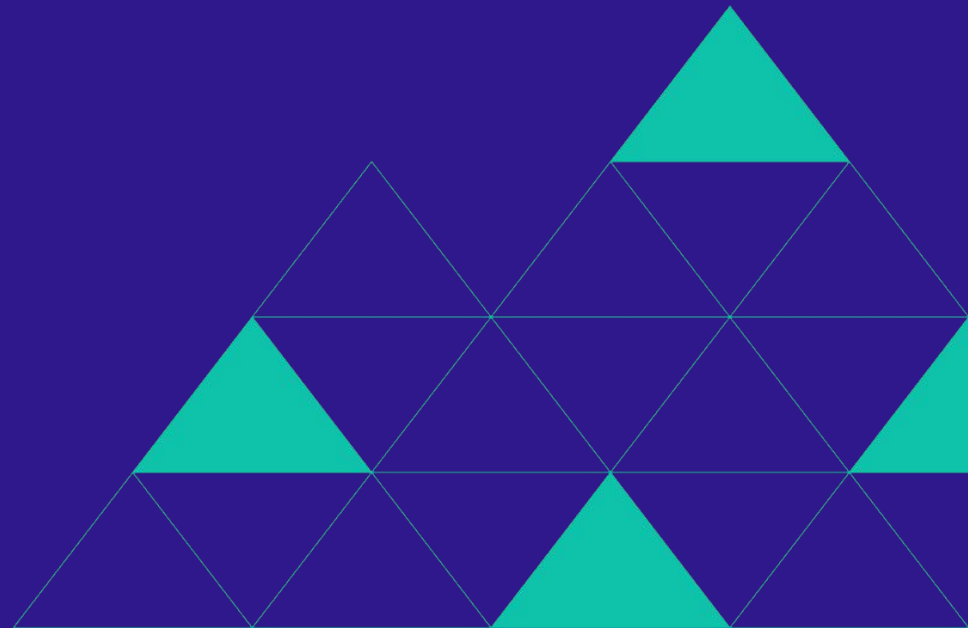
**Incidents &
Bugs**



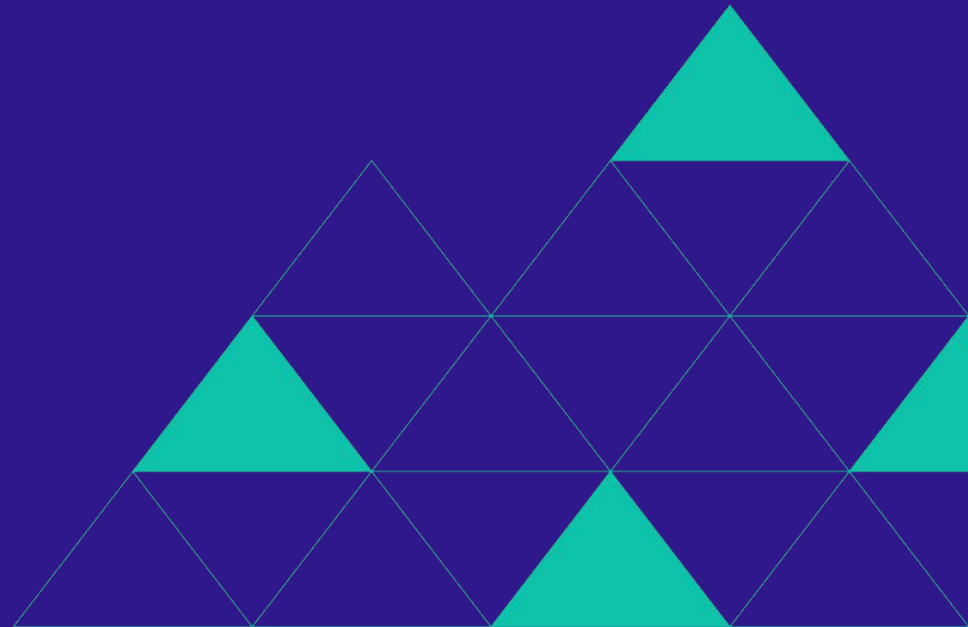
Data is objective



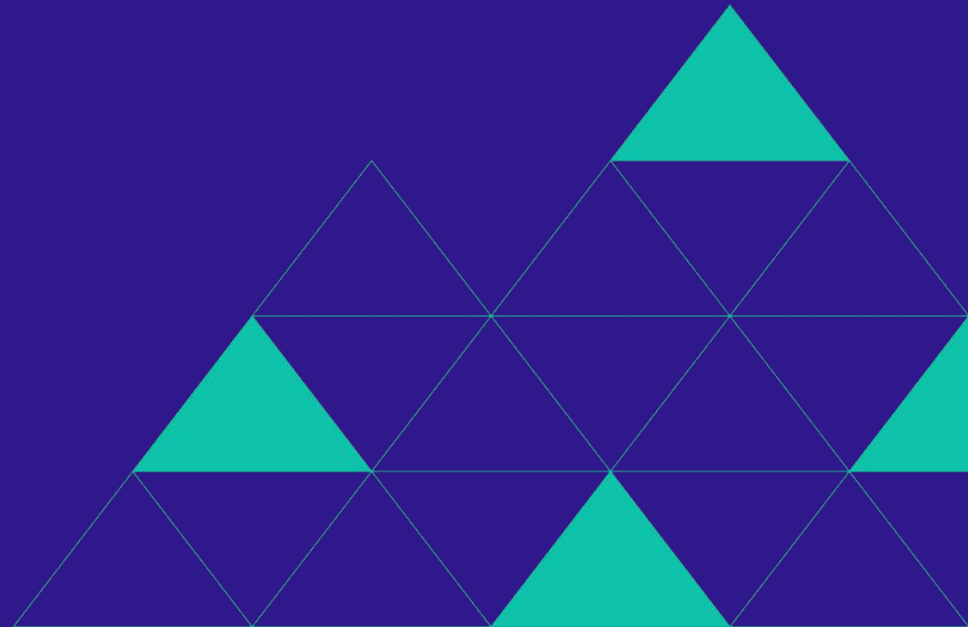
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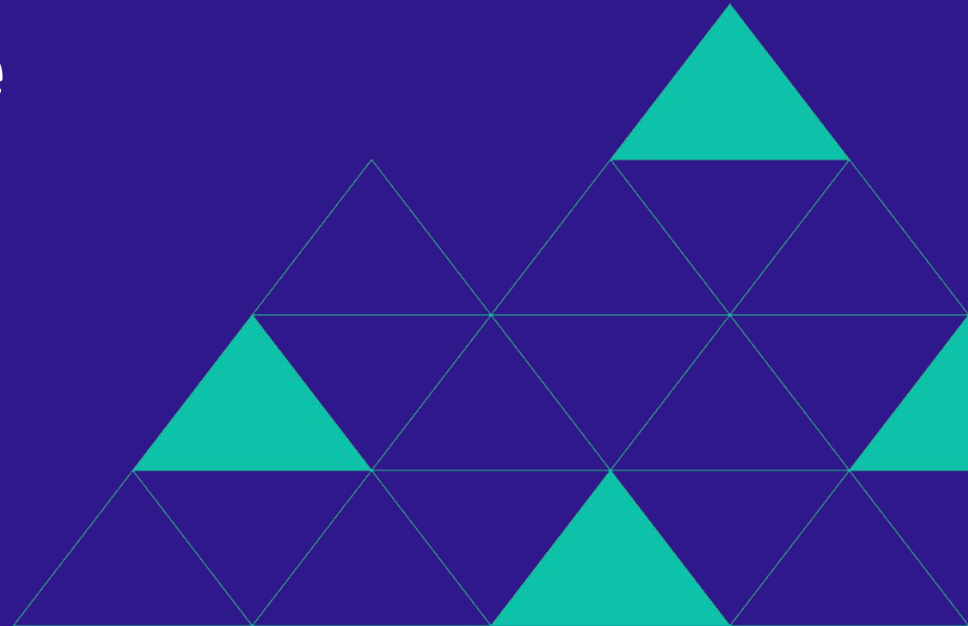
Data is timely



Data is timely





Data creates shared language



March 2020

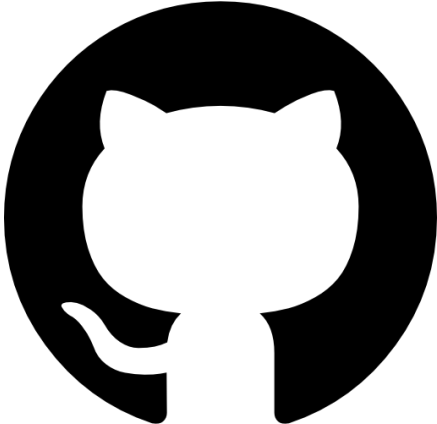


Software delivery performance metric	Elite	High	Medium	Low
<p> Deployment frequency</p> <p>For the primary application or service you work on, how often does your organization deploy code to production or release it to end users?</p>	On-demand (multiple deploys per day)	Between once per week and once per month	Between once per month and once every 6 months	Fewer than once per six months
<p> Lead time for changes</p> <p>For the primary application or service you work on, what is your lead time for changes (i.e., how long does it take to go from code committed to code successfully running in production)?</p>	Less than one hour	Between one day and one week	Between one month and six months	More than six months
<p>Time to restore service</p> <p>For the primary application or service you work on, how long does it generally take to restore service when a service incident or a defect that impacts users occurs (e.g., unplanned outage or service impairment)?</p>	Less than one hour	Less than one day	Between one day and one week	More than six months
<p>Change failure rate</p> <p>For the primary application or service you work on, what percentage of changes to production or released to users result in degraded service (e.g., lead to service impairment)</p>	0%-15%	16%-30%	16%-30%	16%-30%

Is Team
Observability
right for you?



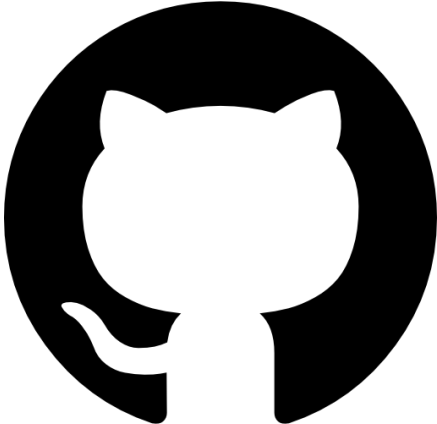
Challenge #1: Trusting the Data



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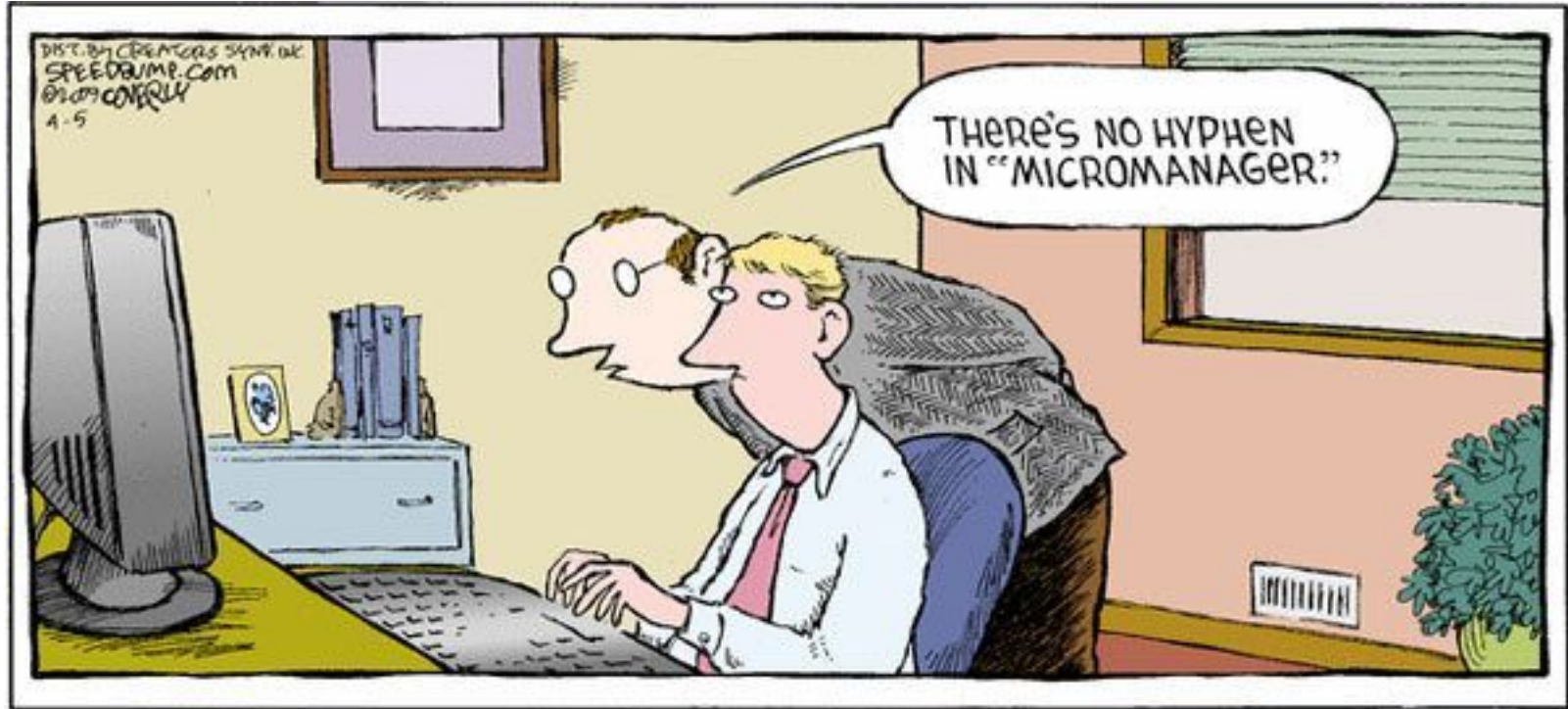
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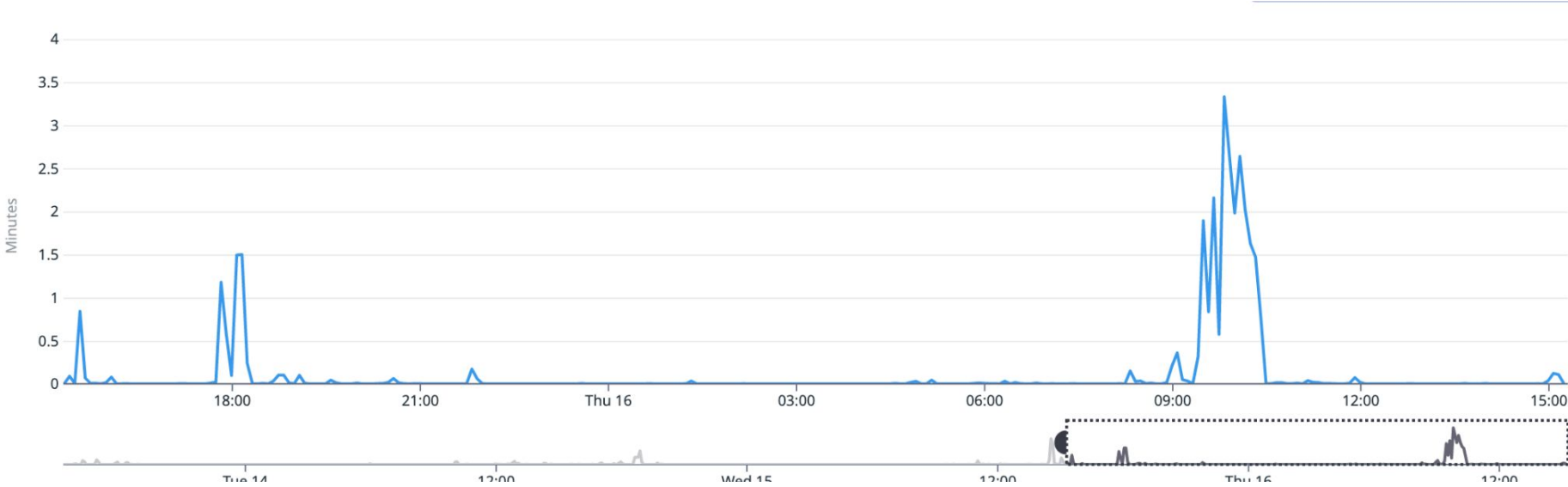
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Challenge #2: Using it correctly



Challenge #3: Collecting context





Enjoy!