Deploying quickly and reliably

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Uber SRE
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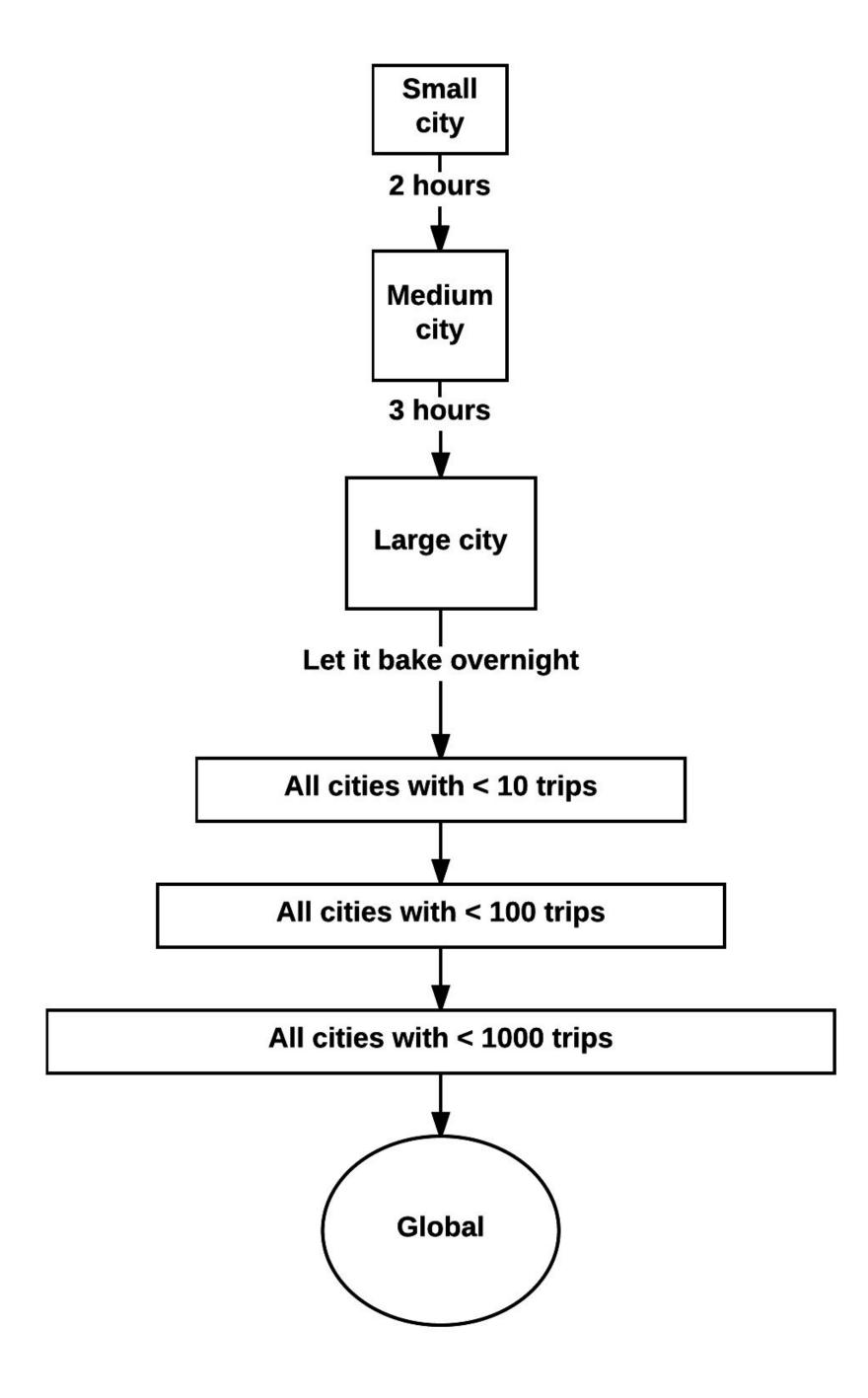
Mission

Transportation as **reliable as running water**, everywhere, for everyone.

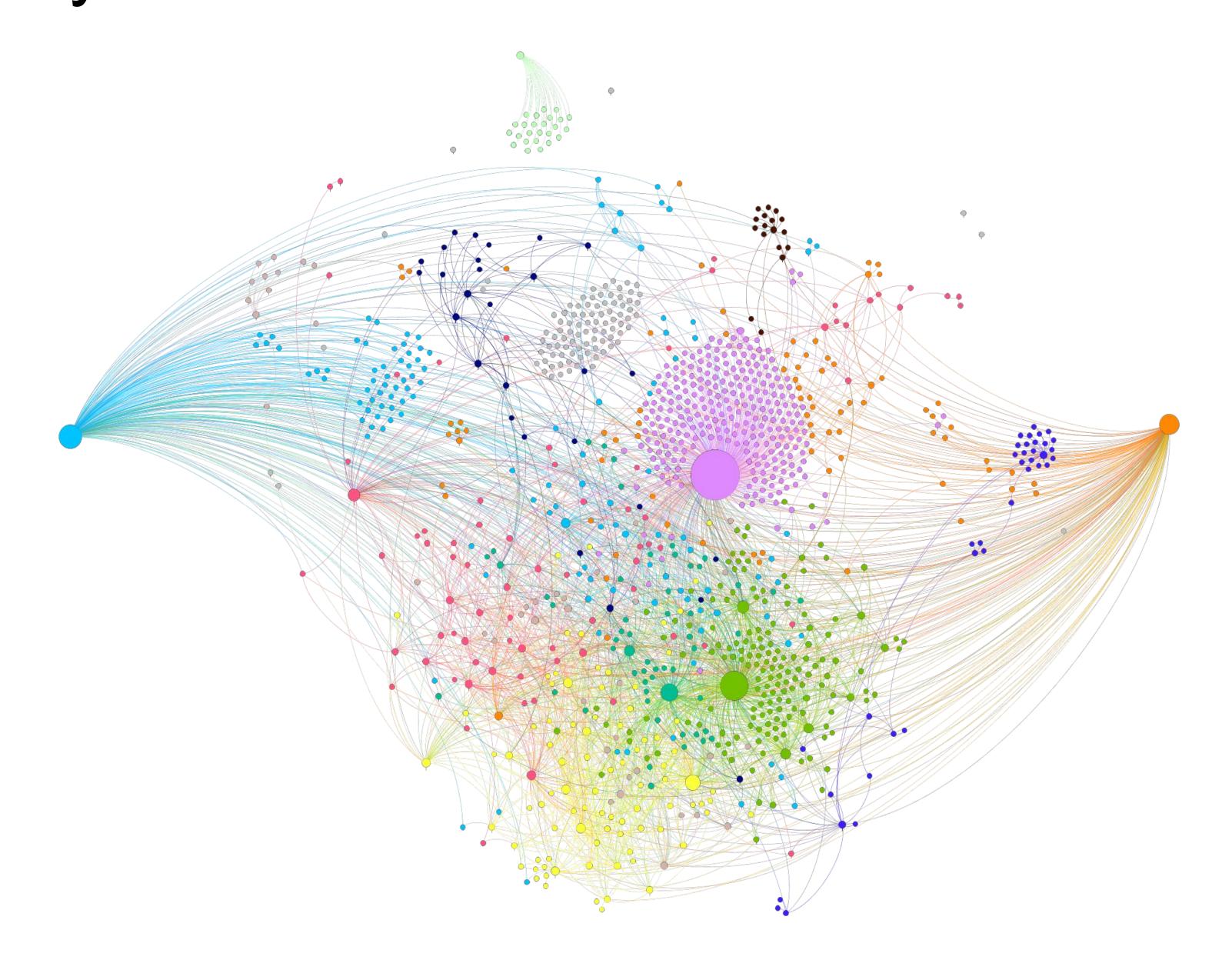
How many times does Uber deploy per day?

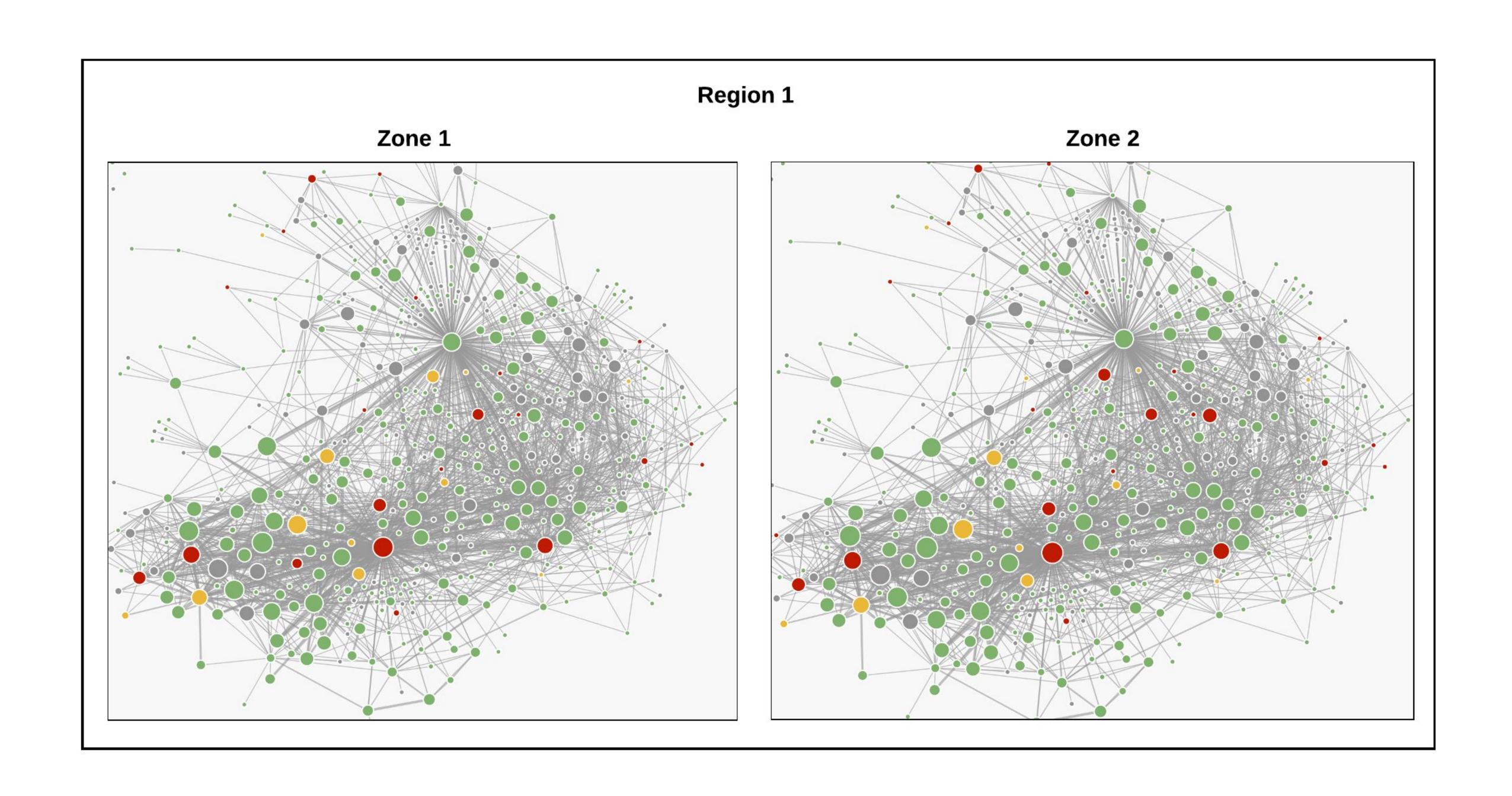
Good question...

Past: Monoliths



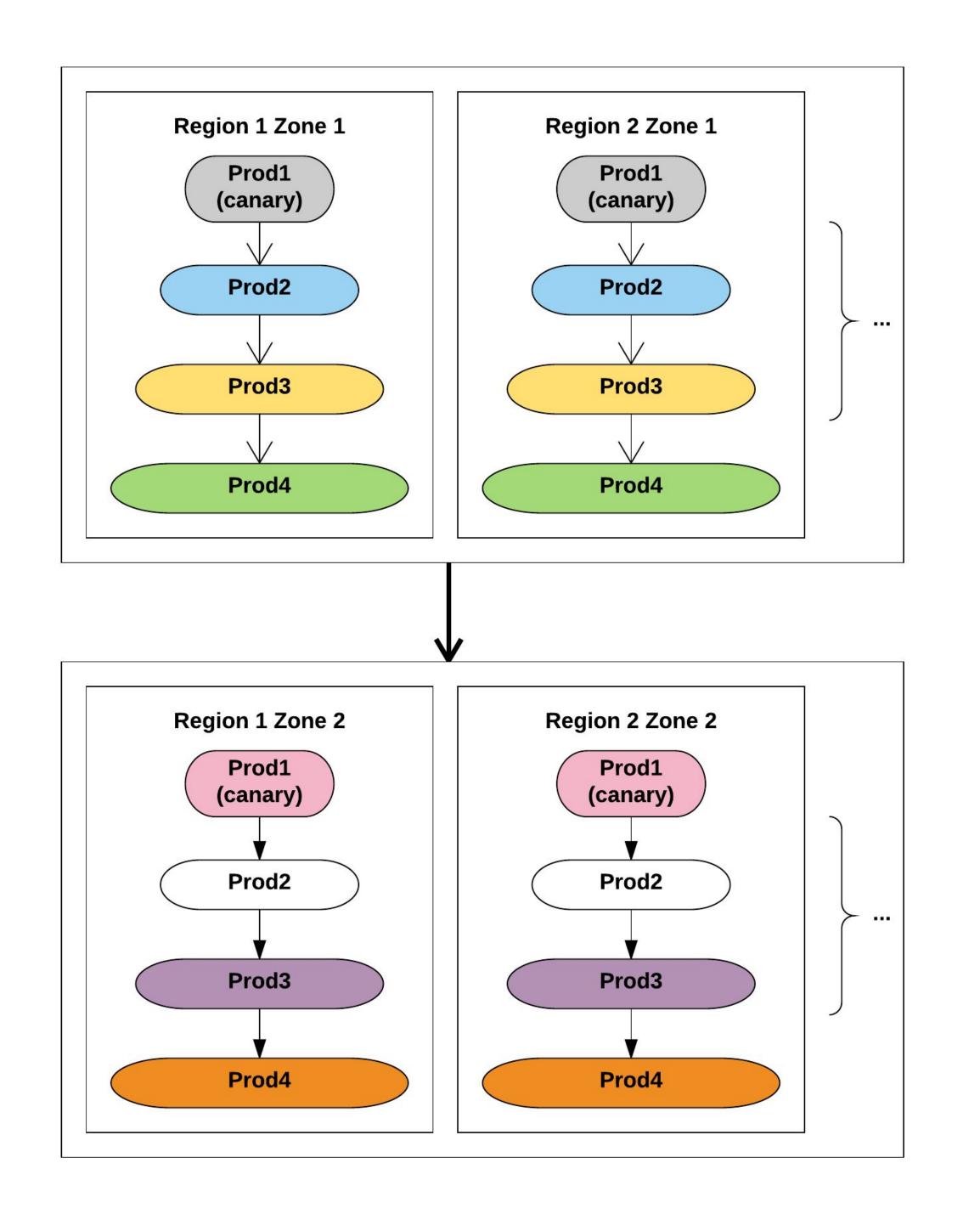
Uber today: Thousands of Microservices



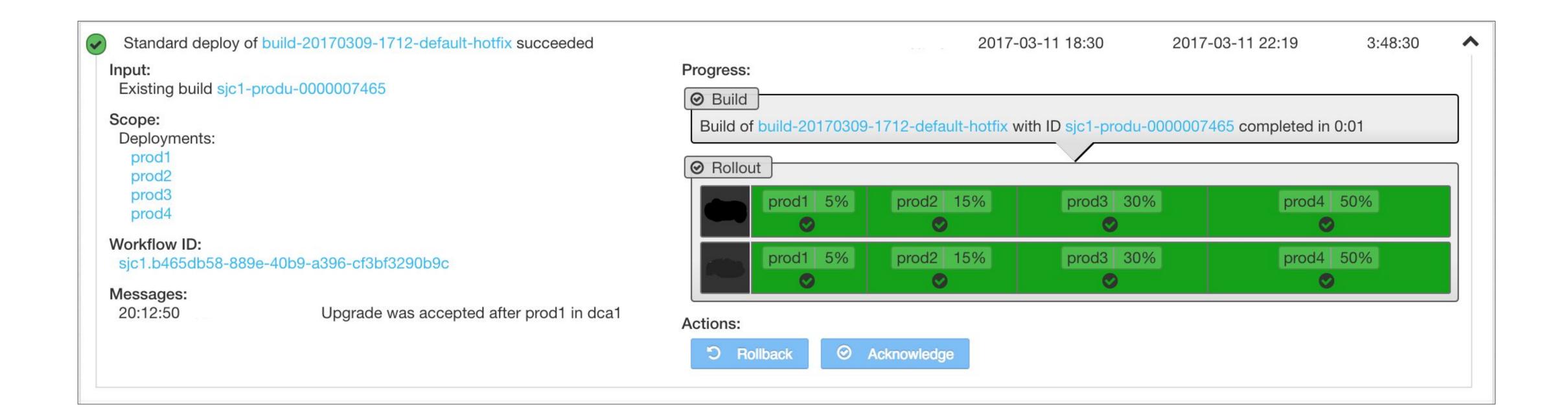


Deploying without guardrails





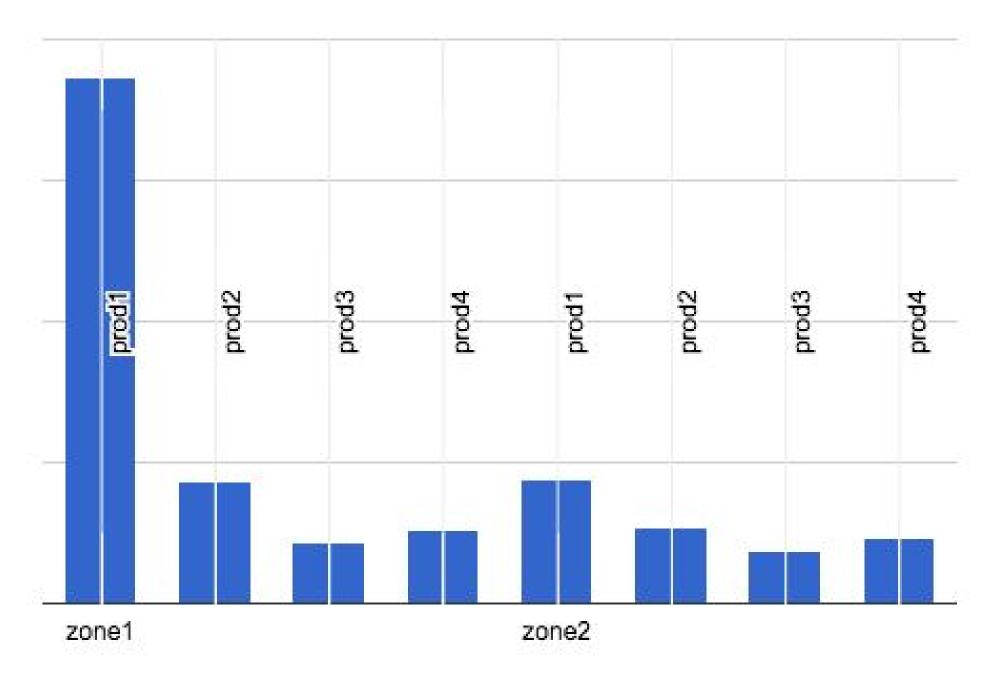
Workflows for common cases



Results

- Lower TTM for incidents
- Incidents reduced in scope
- Less time spent in incident reviews

Deployment rollbacks



Takeaways

Fast detection isn't always easy

No one likes slowing down

Plan for reliability at the start

Policies driven by metrics are easy to promote

The right amount of velocity to trade for reliability is a moving target

Reinforce failure domains everywhere

Thanks for listening! Questions?