KubeCon | CloudNativeCon

China 2018

Lightning Talk: Kubernetes CI/CD practices at Meetup

Rui Chen
Meetup

Single line of code change to production ?

7 days

7 days → 1 hour

Our Journey

From	To
Monolithic app	Microservice architecture
Siloed teams	Devops culture in team
Infrequent releases	Continuous deployments to production
Long release cycle	Testing in production
Reactive monitoring	Proactive monitoring

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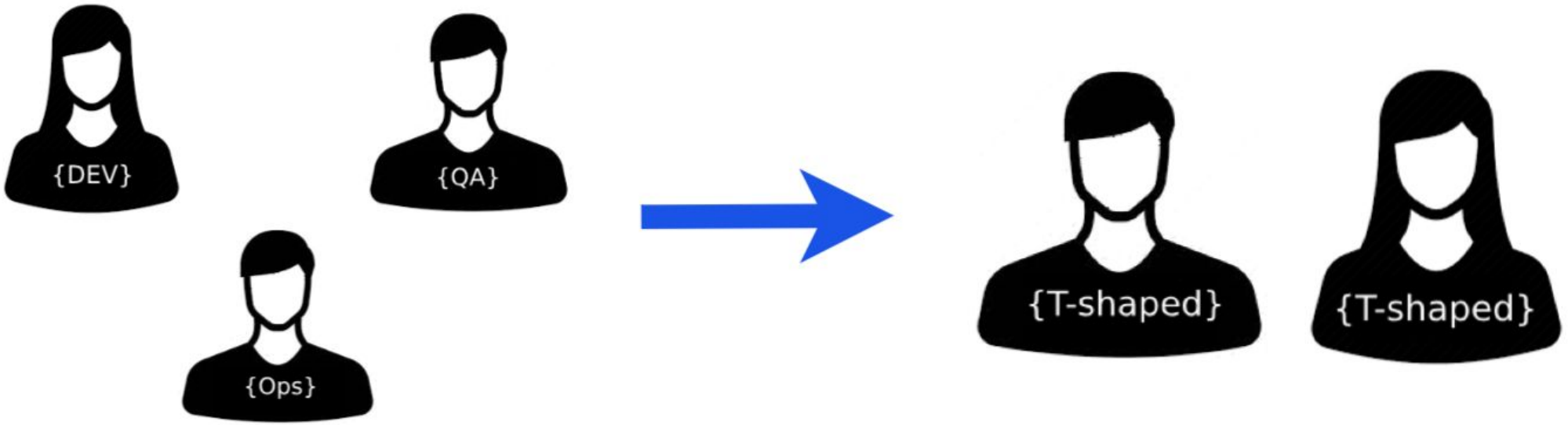
Decouple Cluster

Single cluster is overloaded with different workload requirements

One infrastructure team is burned with different maintenance requirements

Decouple cluster to help team to move faster

DevOps culture



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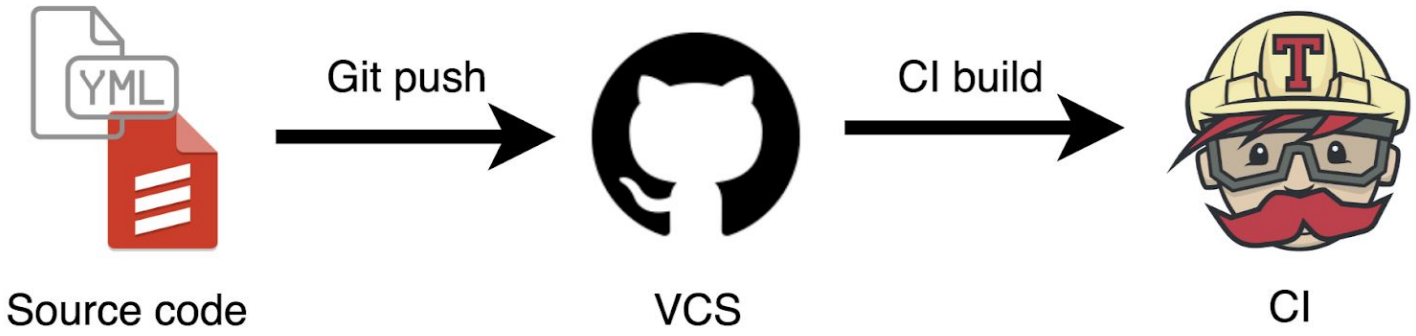
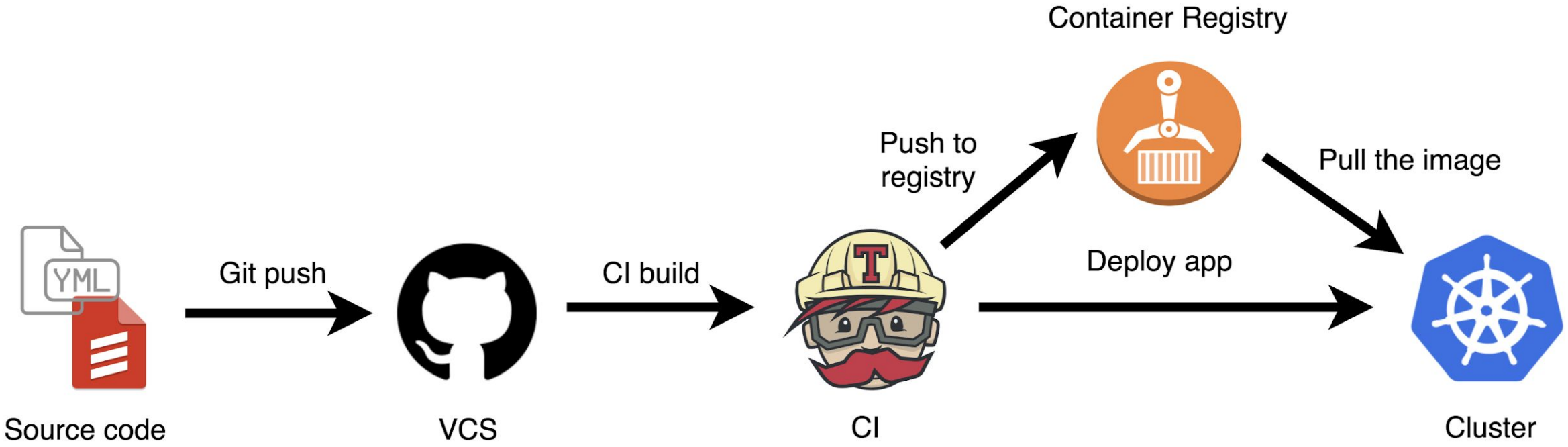
CI/CD Pipeline



CI/CD Pipeline



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Testing in production

Maintenance is hard

Maintain multiple environments is even harder

Sometimes, it is not reliable

Move faster

We care about members

Feature flag

Beta release

A/B testing

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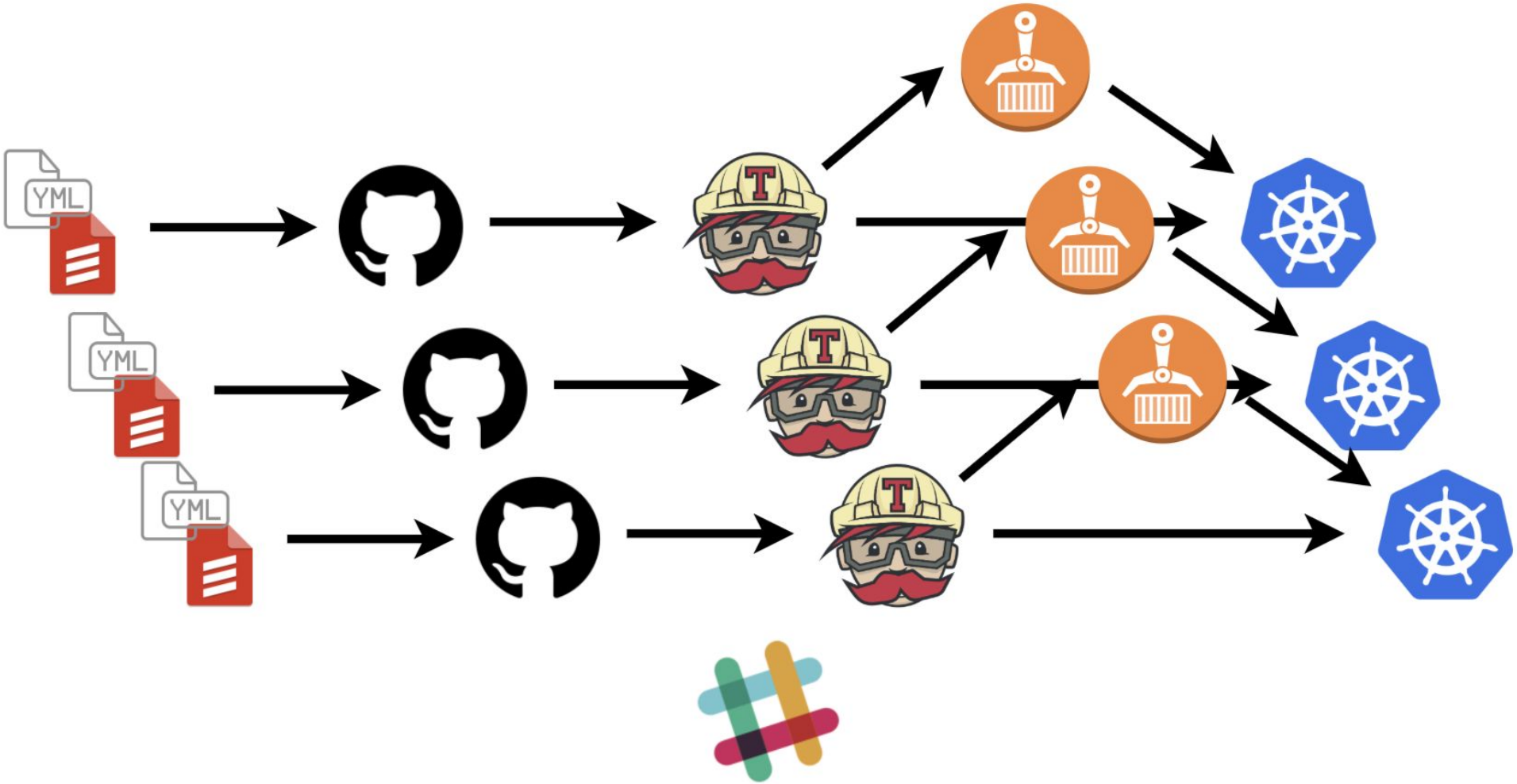
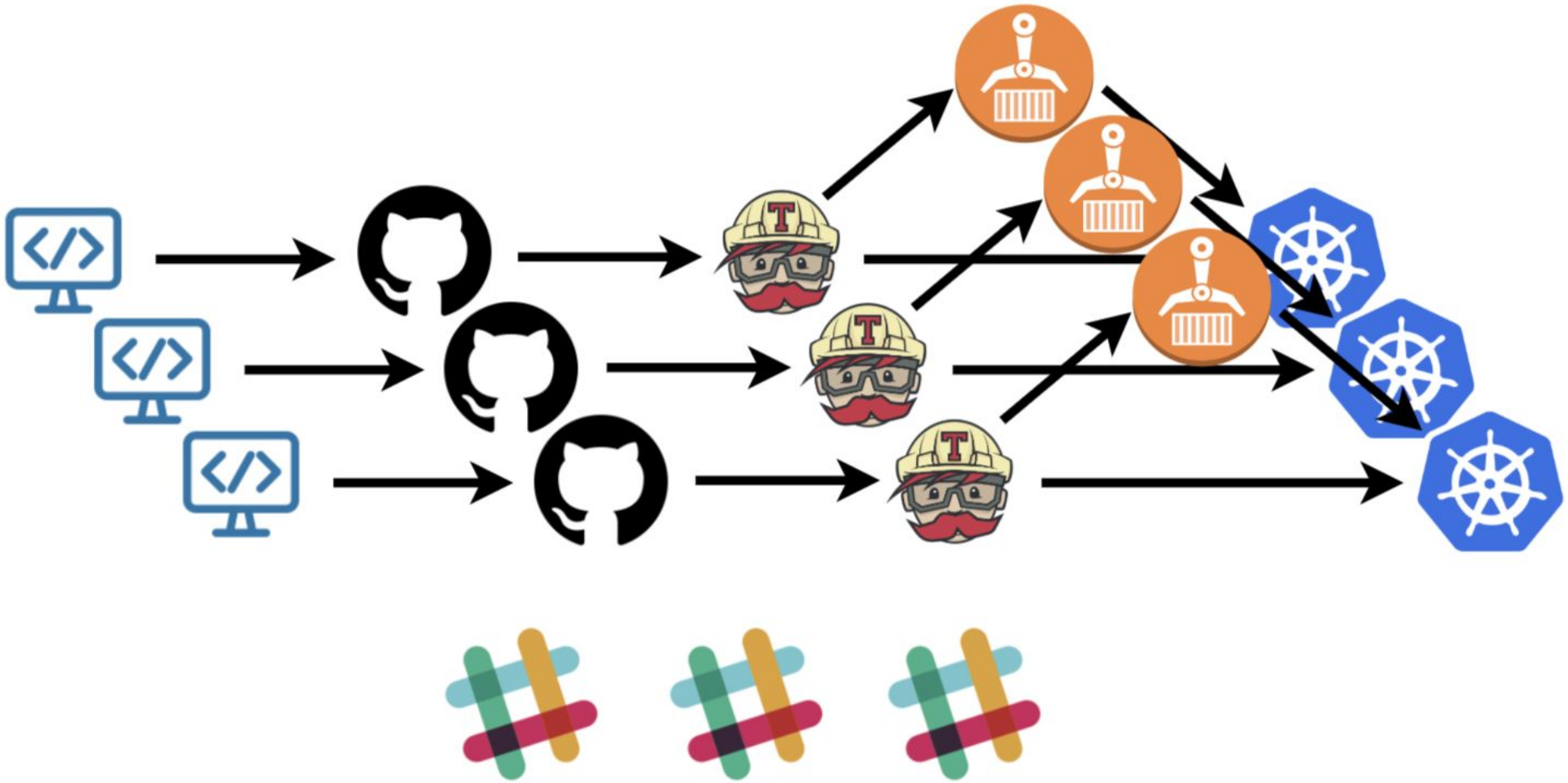
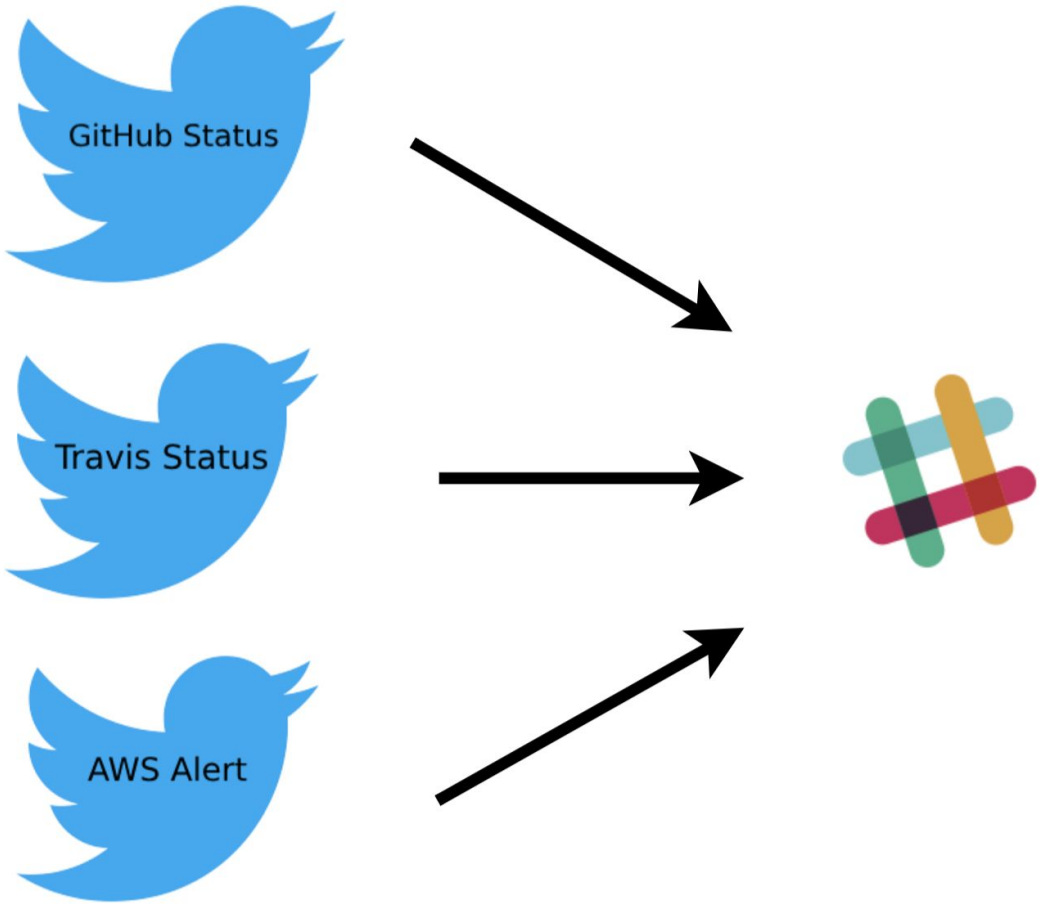
Monitoring for the team



Monitoring across the teams



Monitoring external dependencies



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