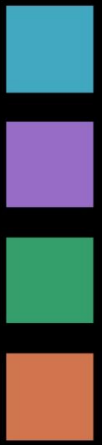


Operational Data Meets Organizational Silos

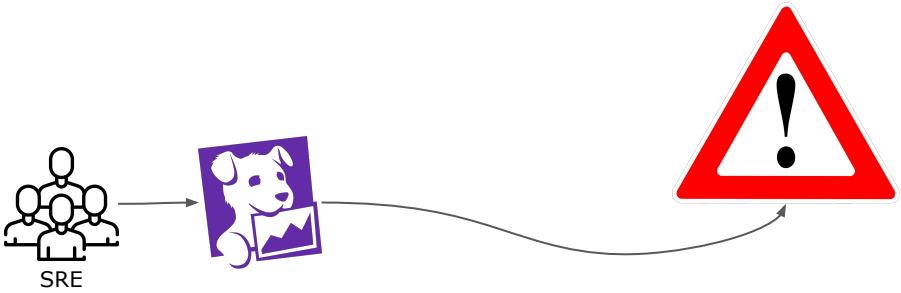
Christopher Pride

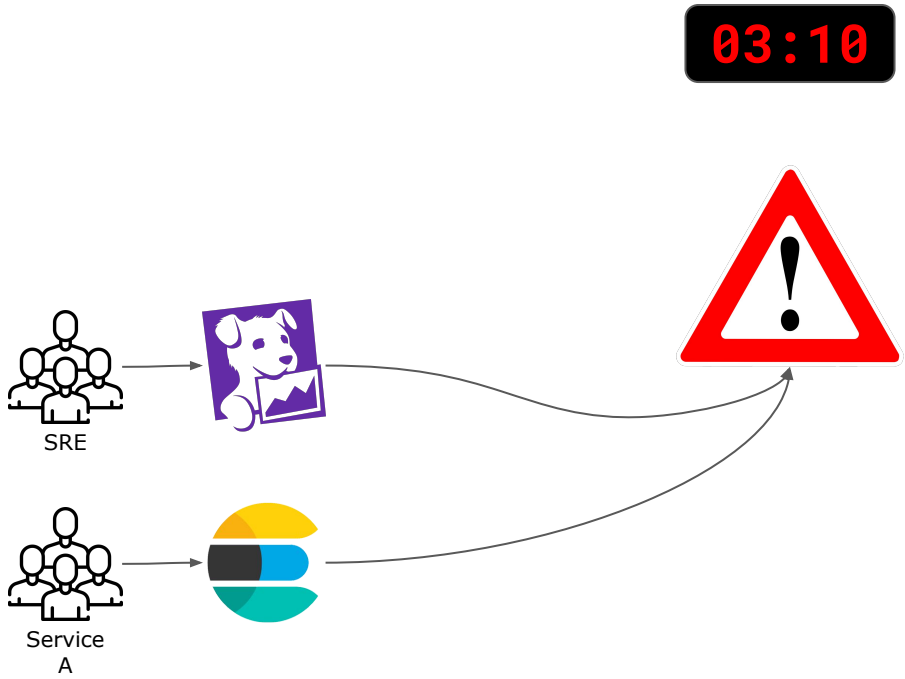
Director of Engineering

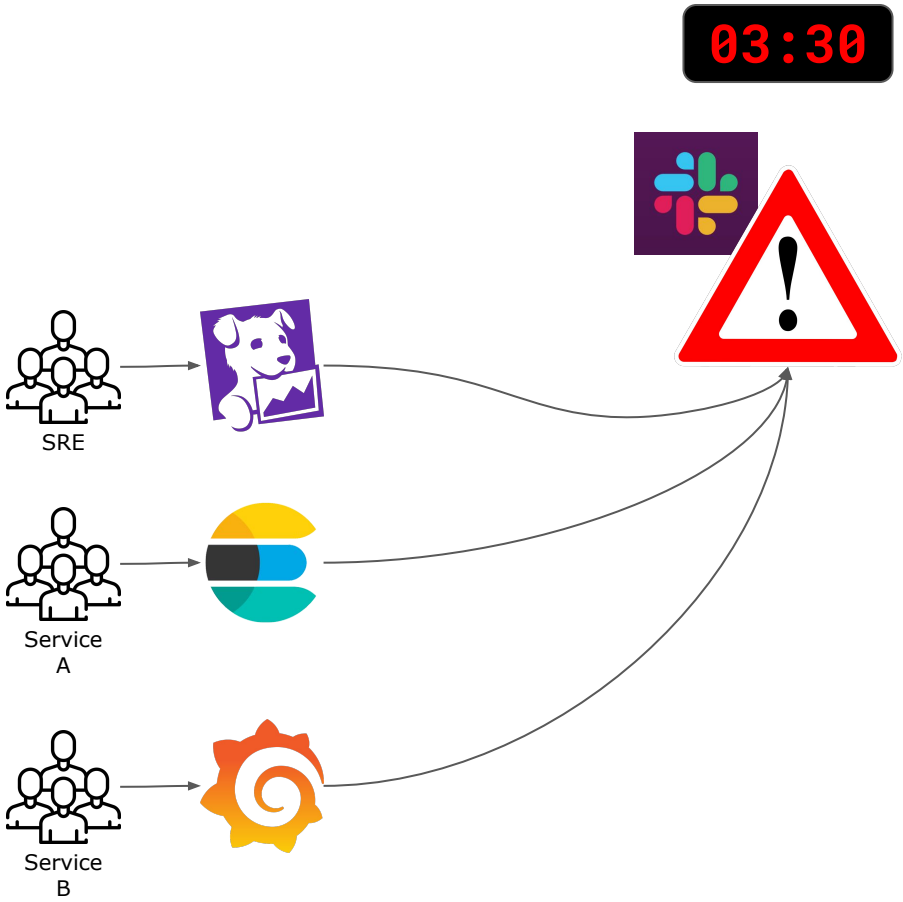
Observe, Inc

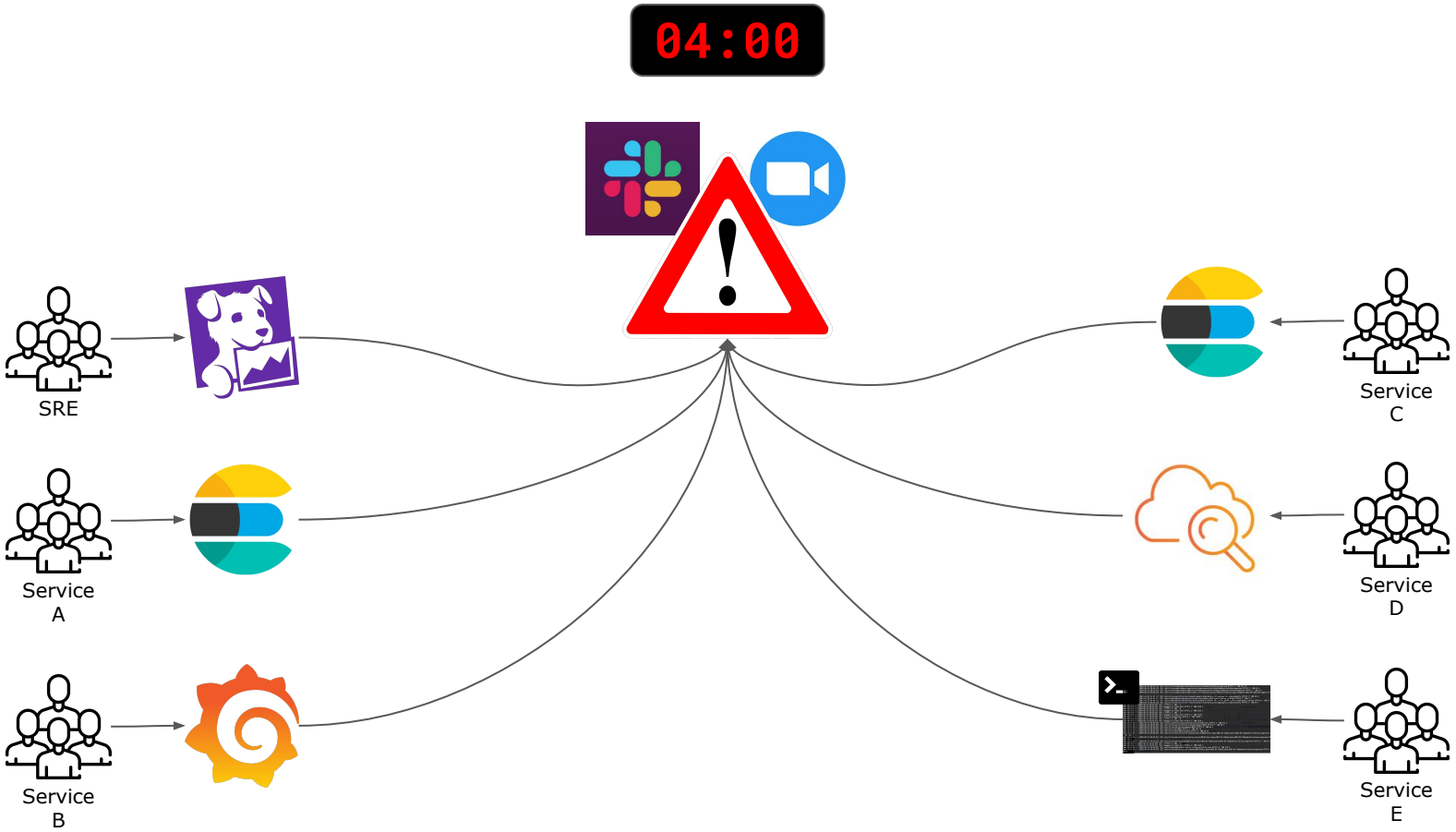
Scenario

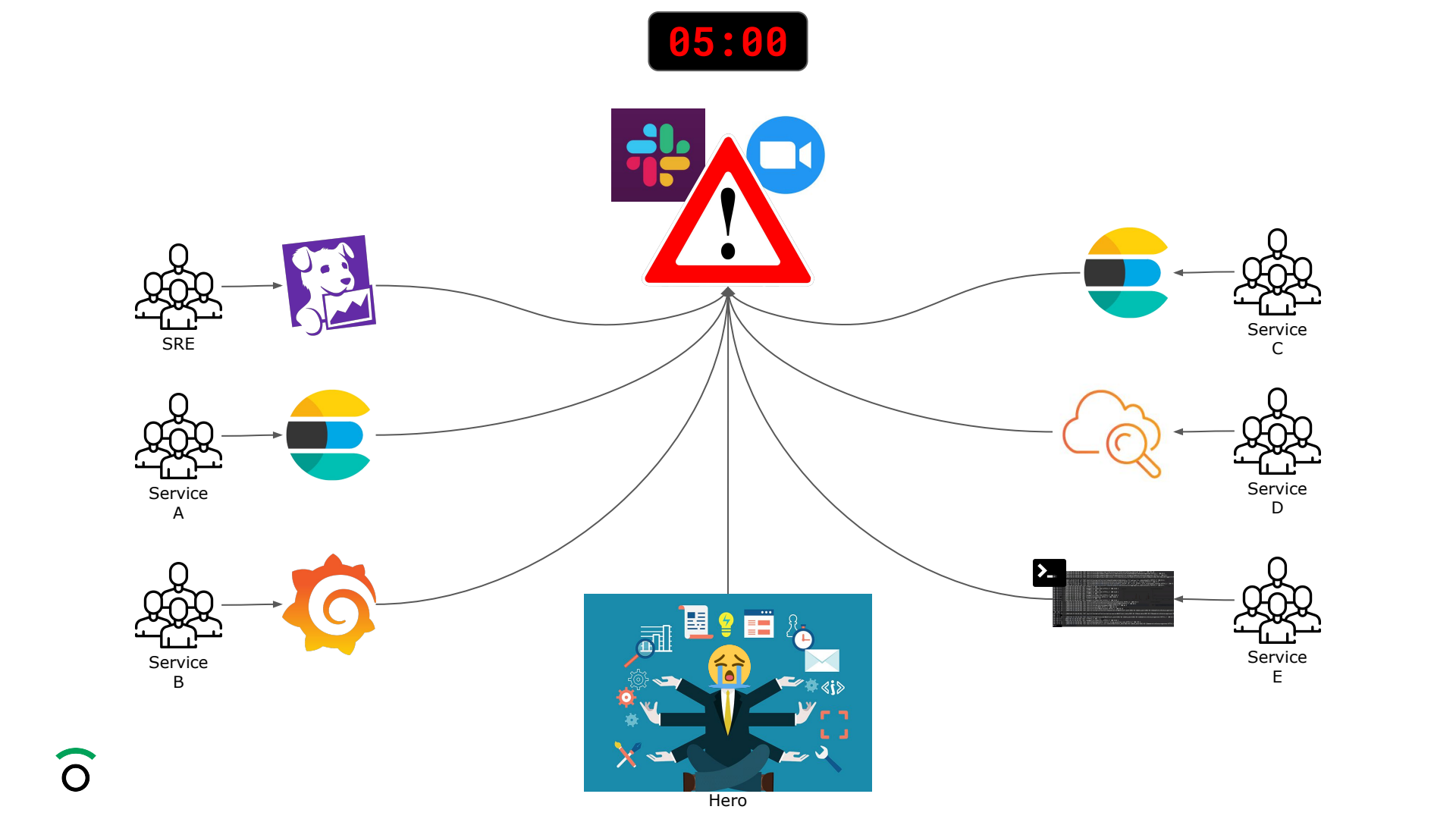

03:00

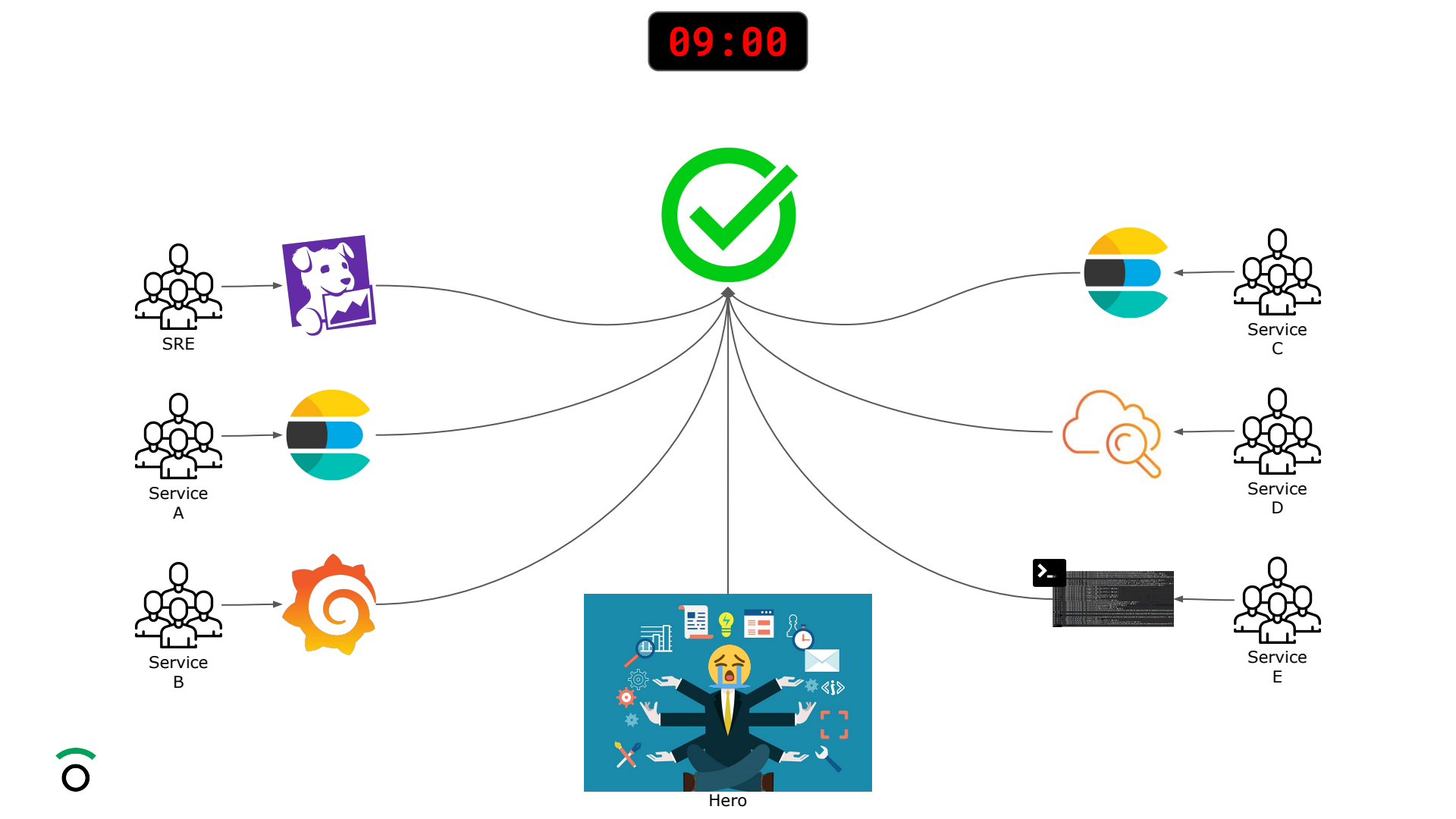

SRE


03:10
SRE
Service
A


03:30
SRE
Service
A
Service
B


04:00
SRE
Service A
Service B
Service C
Service D
Service E


05:00
SRE
Service A
Service B
Service C
Service D
Service E
Hero


09:00
SRE
Service A
Service B
Service C
Service D
Service E
Hero

Siloed Teams, Tools & Data

No-one Has The Big Picture

On-Call Hell

DevOps Looks At Metrics. Engineerings Looks At Logs.

No Common Language. No Common Tooling.

Troubleshooting Requires A Hero

Special Powers Are Required To Analyze Fragmented Data

Don’t Monitor, Observe.

Ob•serv•a•bil•ity

“A Measure Of How Well Internal States Of A System Can Be Inferred From Knowledge Of Its External Outputs”

“On The General Theory Of Control Systems”
Rudolph E. Kalman, Moscow 1960

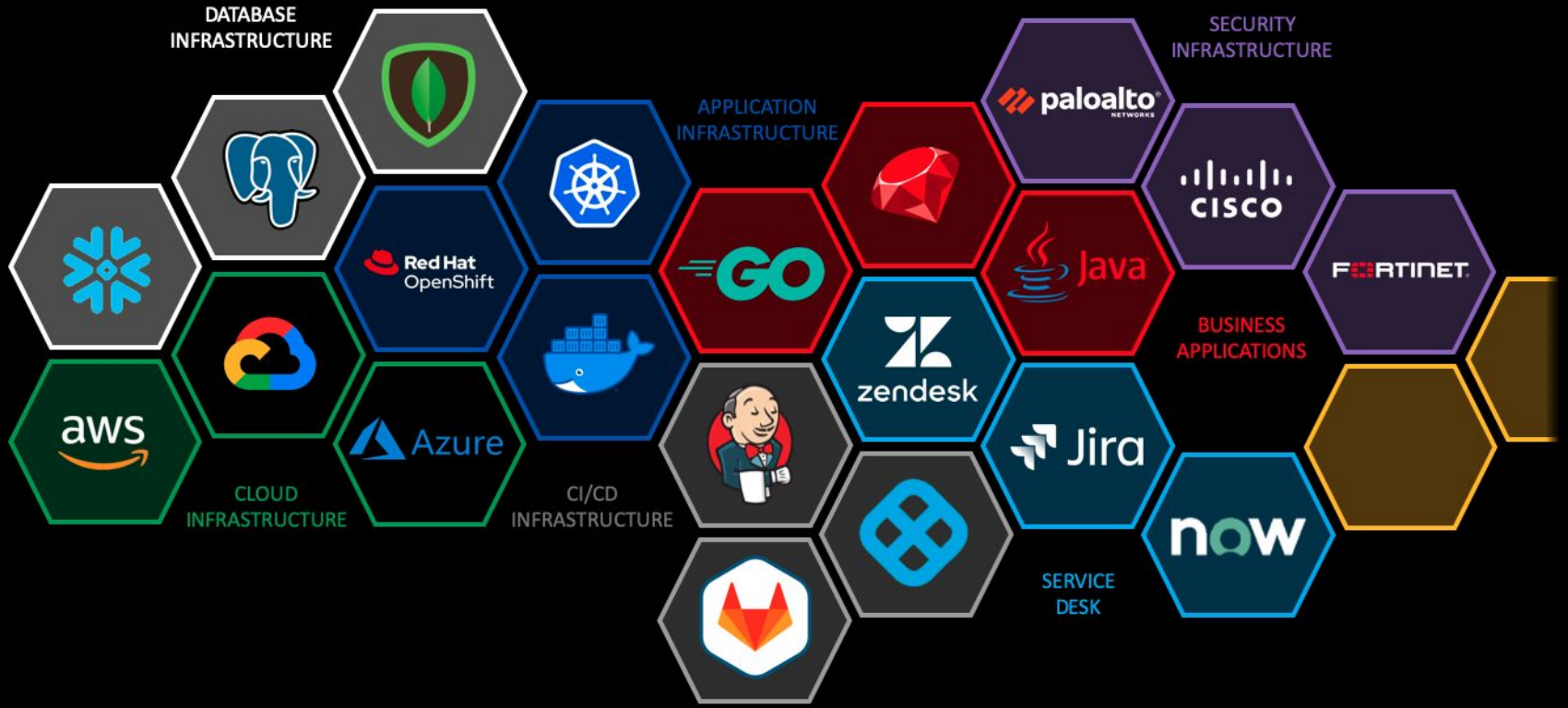
Why We Need Observability

Continuous Change In Production.

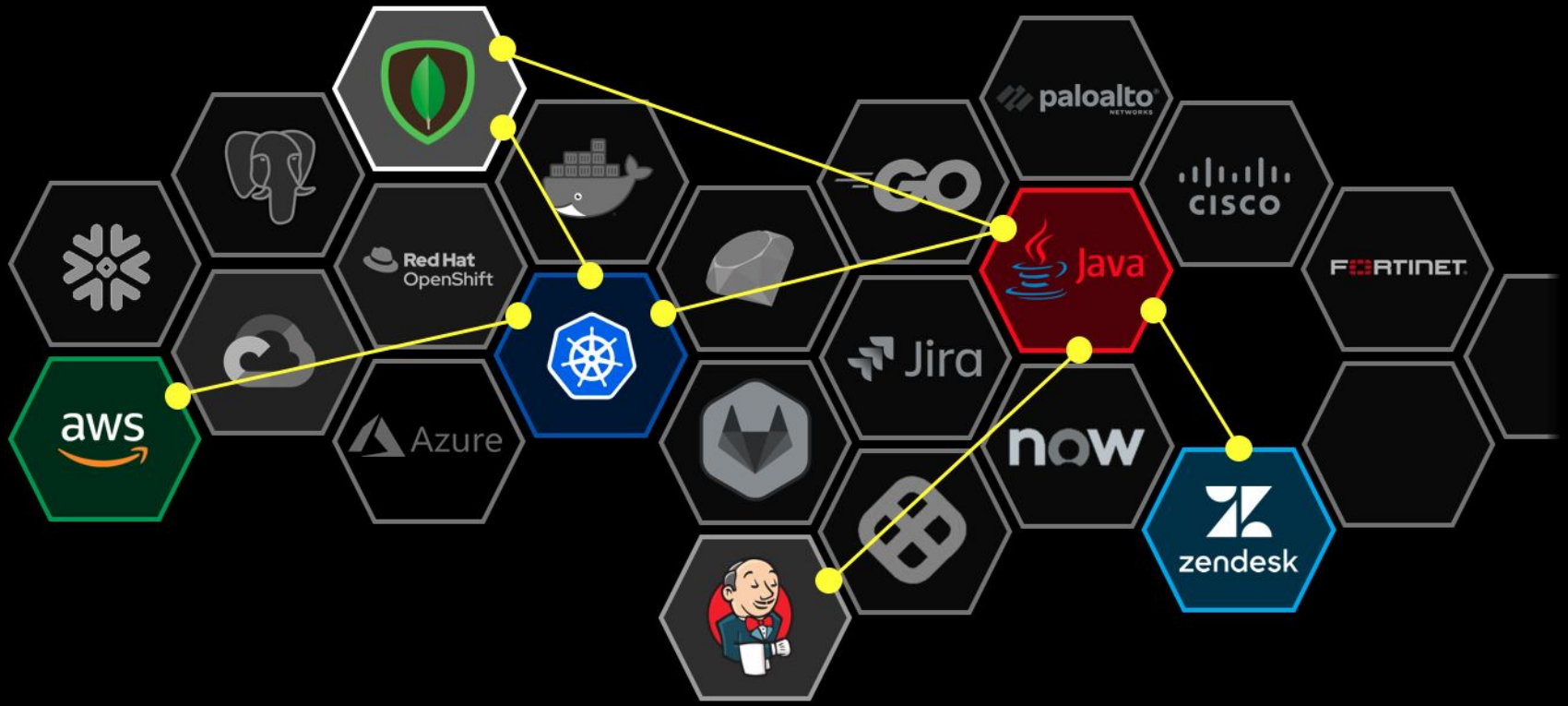
More Unknown Problems.


Observe.
All Of Your Data.
All In One Place.

WHAT SHOULD YOU OBSERVE ?

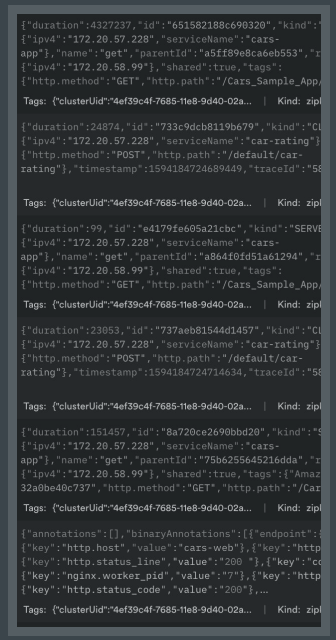


EVERYTHING. IT'S ALL RELATED.



Machine Data, Turned Into Datasets

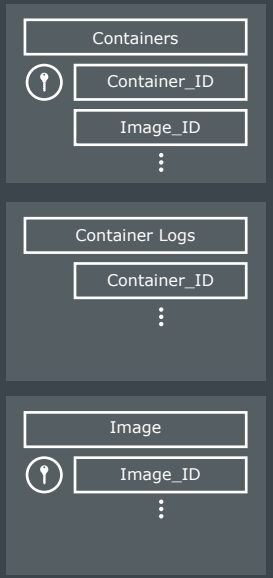
MACHINE DATA

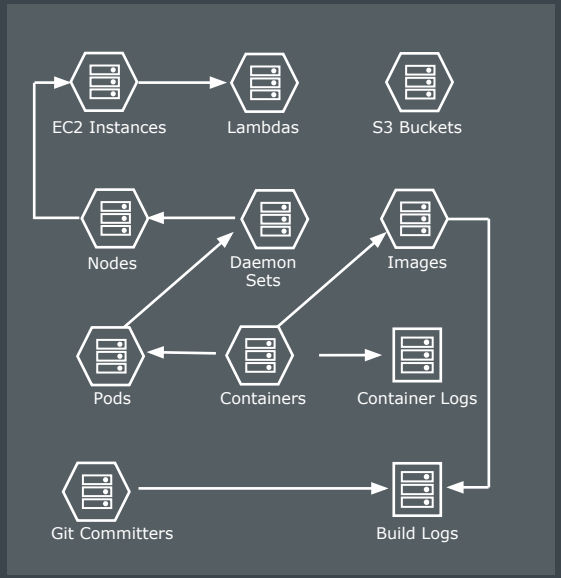


aws	EC2 Instances	Lambdas	S3 Buckets	VPC Flows	Accounts	Users	CloudWatch	CloudTrail
	Containers	Pods	Daemon Sets	Nodes	Deployments	Jobs	Container Logs	Pod Metrics
	Compute	Blob Store	SQL Instance	App Logs		Compute	Storage	BigQuery
	Committers	Build Logs		CPU Metrics	Memory IO	NGINX	Error Codes	Web Logs
	Error Codes	Web Logs		Containers	Images		Metrics	Tags
	Traces	Spans	ZIPKIN	Traces	Spans		Containers	App Logs

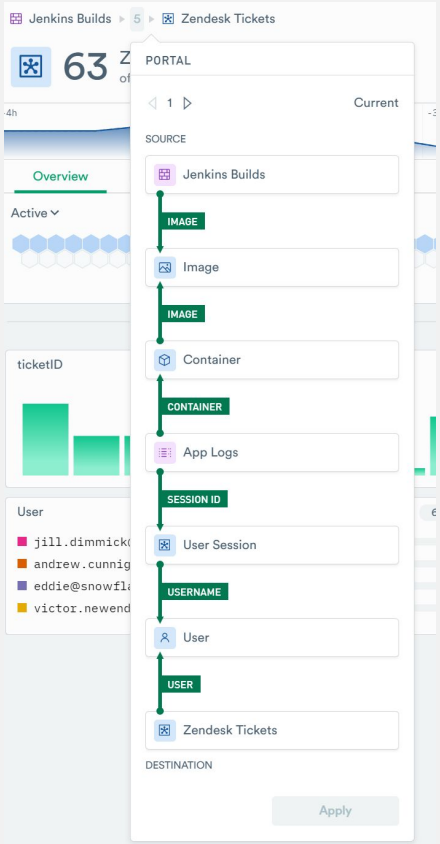
Graph of Connected Things

TABLES DEFINED BY OBSERVE



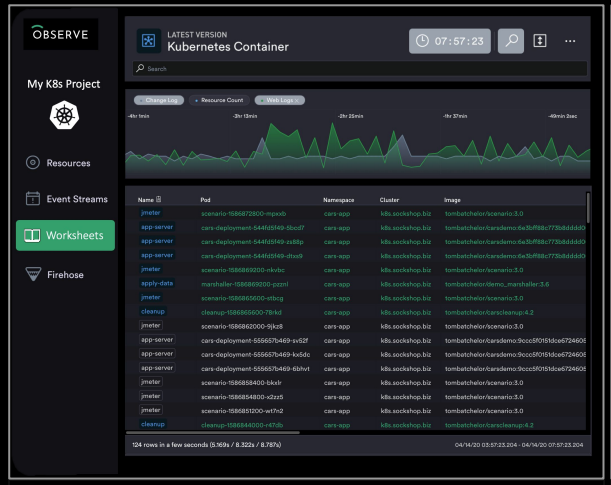


Observe GraphLink™



Collaborate: Same Data, Different View

SREs



Engineers

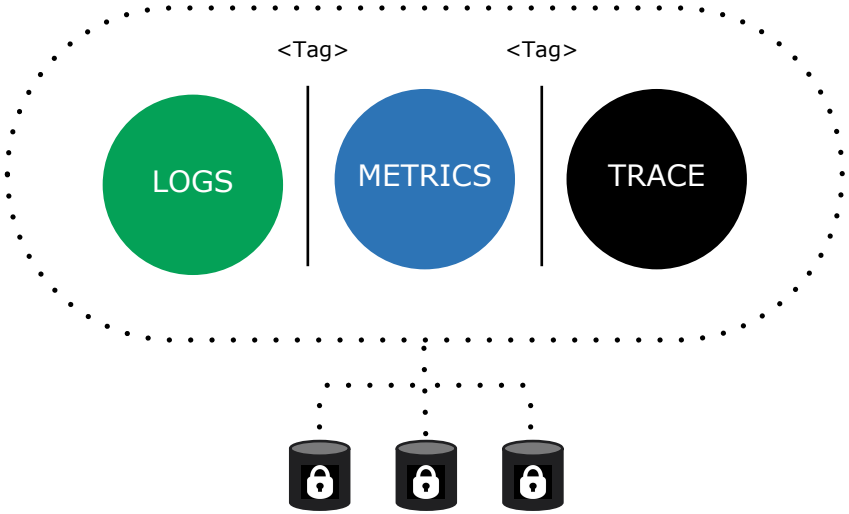
Customer Success

All can be shared with the current context

In Summary

3 Pillars Approach

Many Siloed Tools
Separate Tools on Separate Teams



Built On Many
Proprietary Databases

Data-Centric Observability

Unified Data

snowflake

Built On
Commercial Data Cloud

Thank You