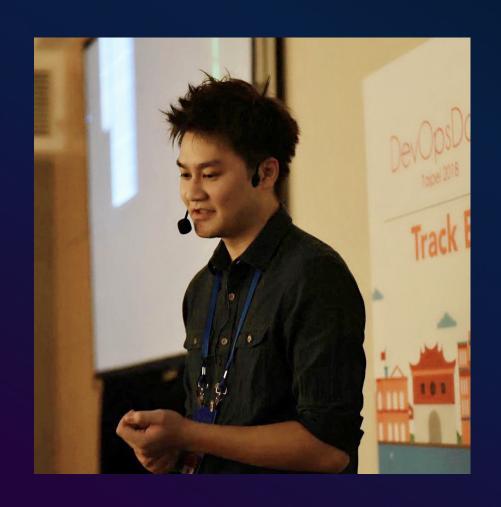
Are You Keeping Up with Platform Engineering?

The Next Step for Large-scale Organizations

Scott Liao

Sr. Solutions Architect Amazon Web Services

Who am I



Scott Liao Senior Solutions Architect AWS

aws of certified

Advanced
Networking

Database

Mr. 沙先生 Blog



Who has adopted

Nintendo Direct



The New York times



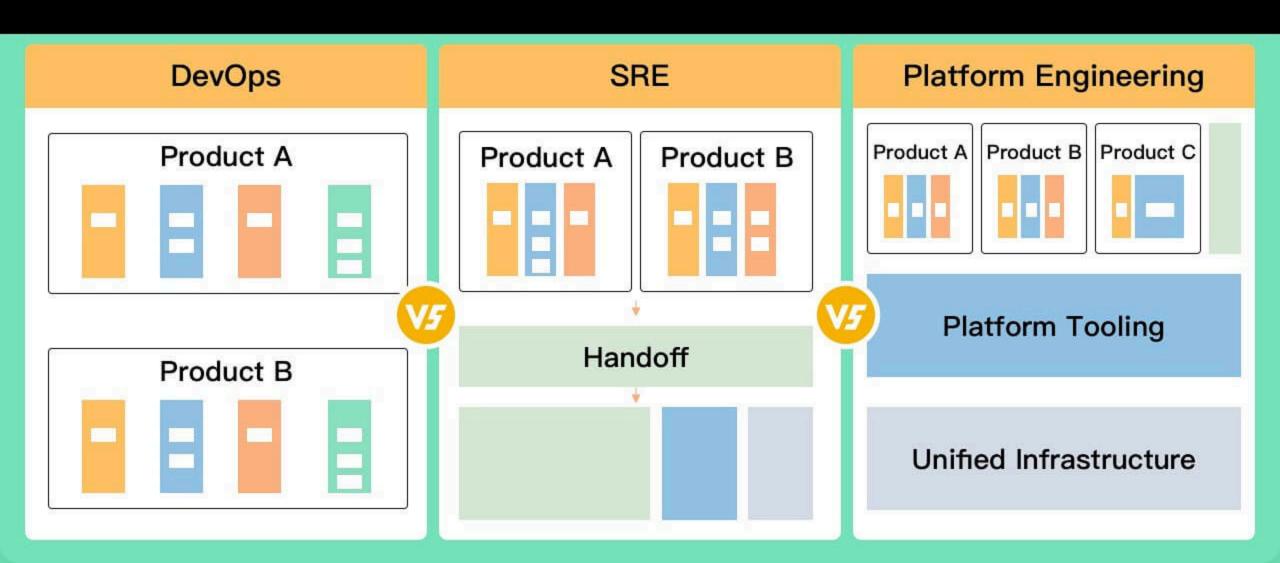
Adobe







DevOps vs SRE vs Platform Engineering



"Any improvements made anywhere besides the bottleneck are an illusion."

— Gene Kim, <u>The Phoenix Project</u>







9









Develop

Tools

Testing

DevOps

Security



Environment







Tools



Testing



DevOps



Security









Collaboration











Requests



Observability







Tools



Testing



DevOps



Security

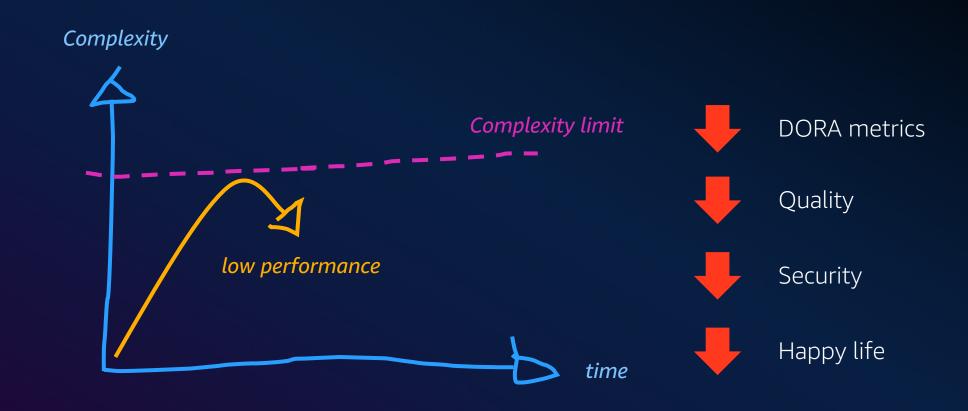


Container

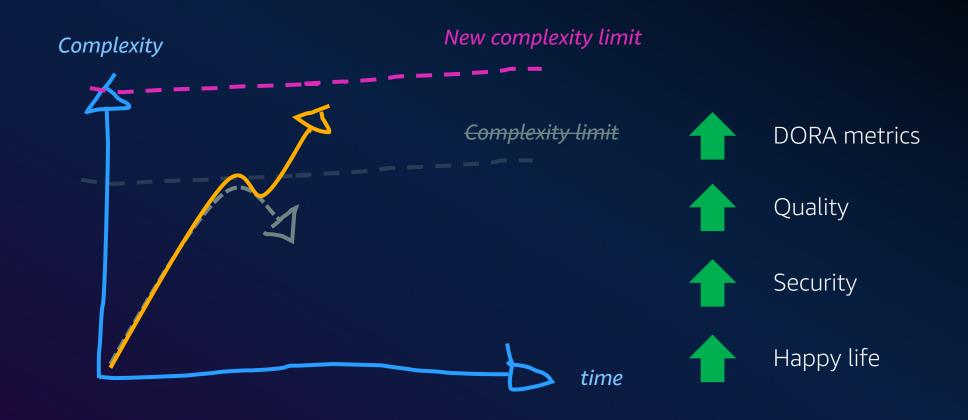


aws Cloud

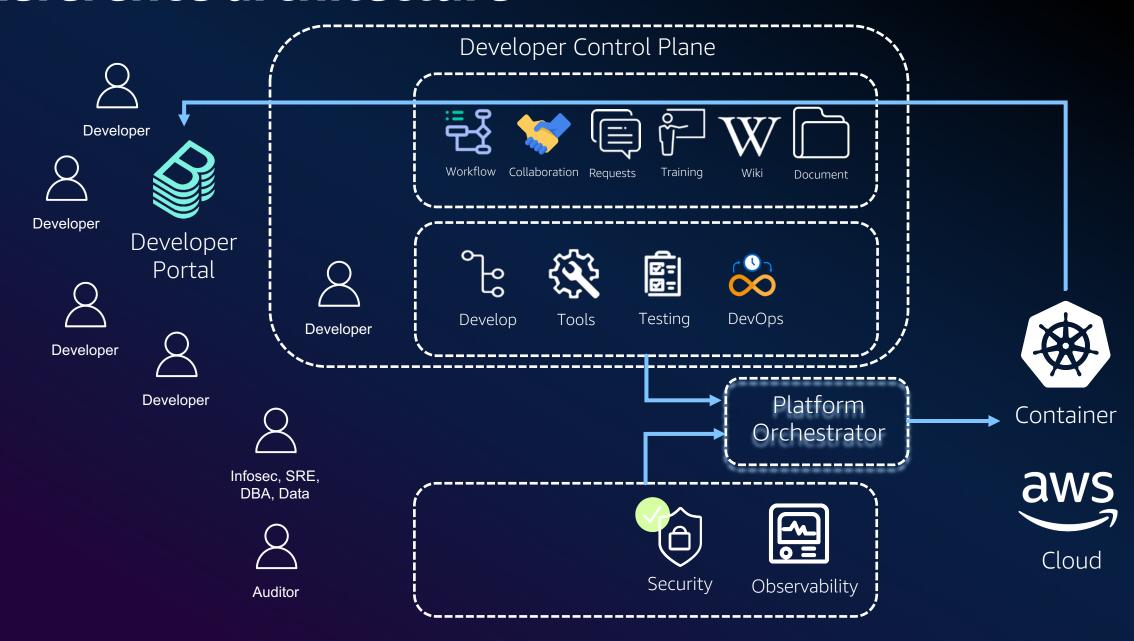
The complexity limit



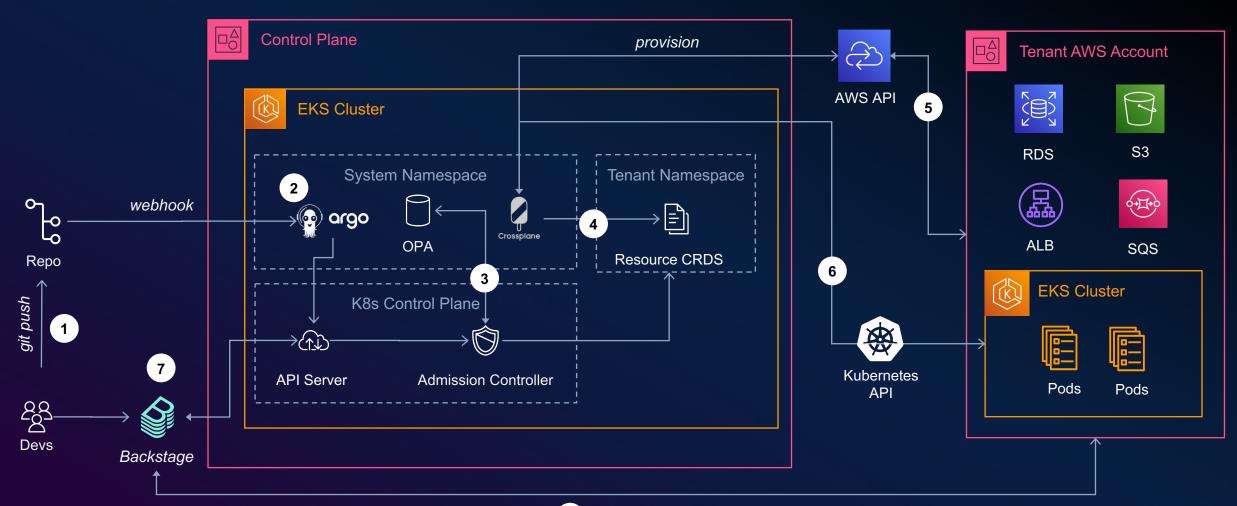
Increase complexity limit



Reference architecture



Building a platform Orchestrator with Kubernetes





Backstage is an open source platform for building developer portals

Created at

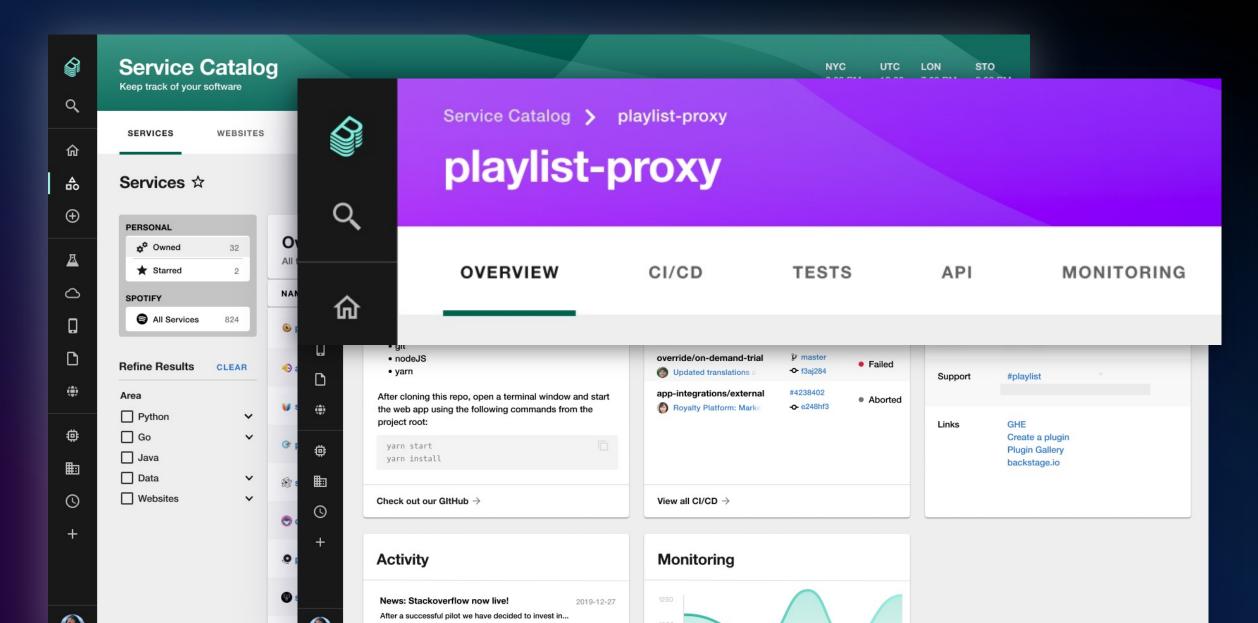
Donated to





The project has 2K+ adopters and 1K+ contributors worldwide

Service Catalog







Collaboration











Requests



Observability







Tools



Testing



DevOps



Security



Container



aws Cloud















Tools



Testing



Security





Security management

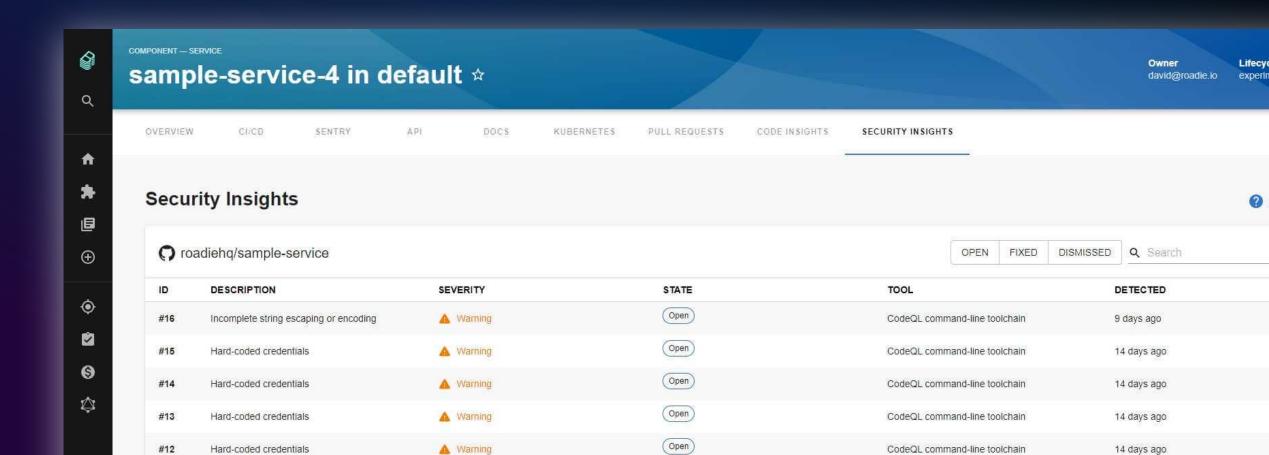


























Tools



Testing



Security













Tools



Testing



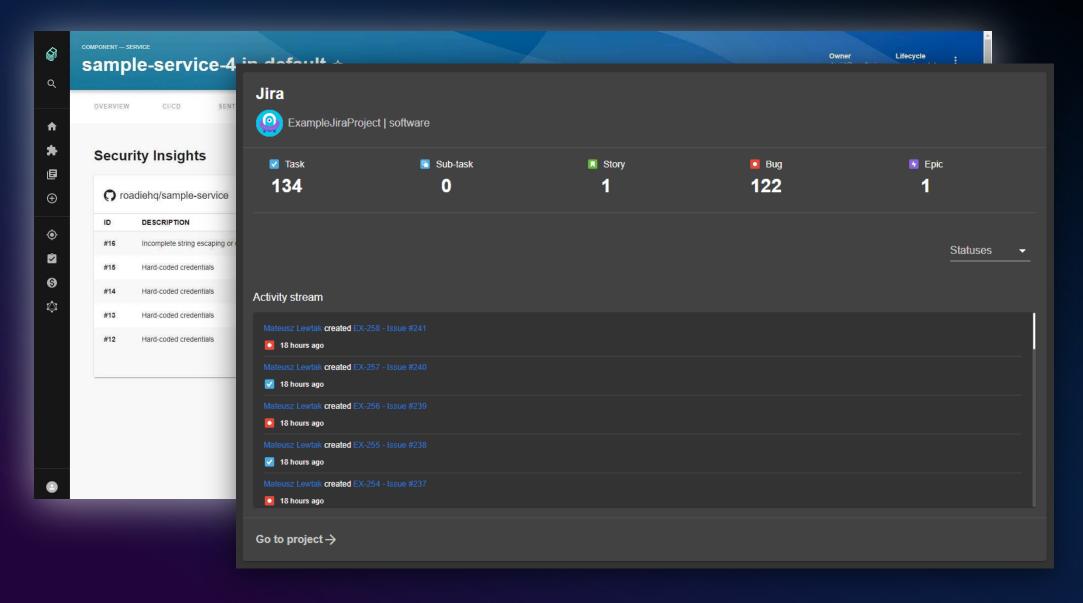
DevOps







3rd-party plugins











Tools



Testing



DevOps













Tools



Testing



DevOps



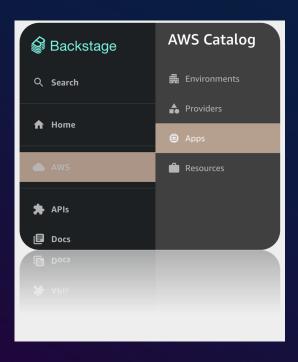




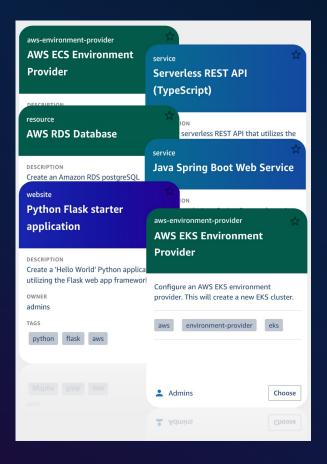
Orchestrate Platforms and Applications (OPA) on AWS

https://opaonaws.io/

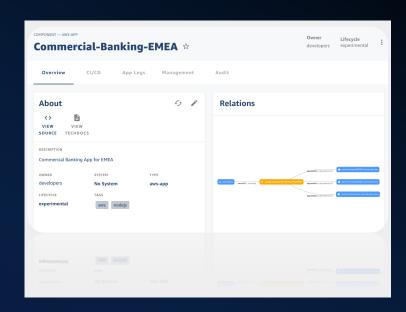
Software catalog



Scale AWS services using templates



Manage apps on single interface









Tools



Testing



DevOps













Tools



Testing

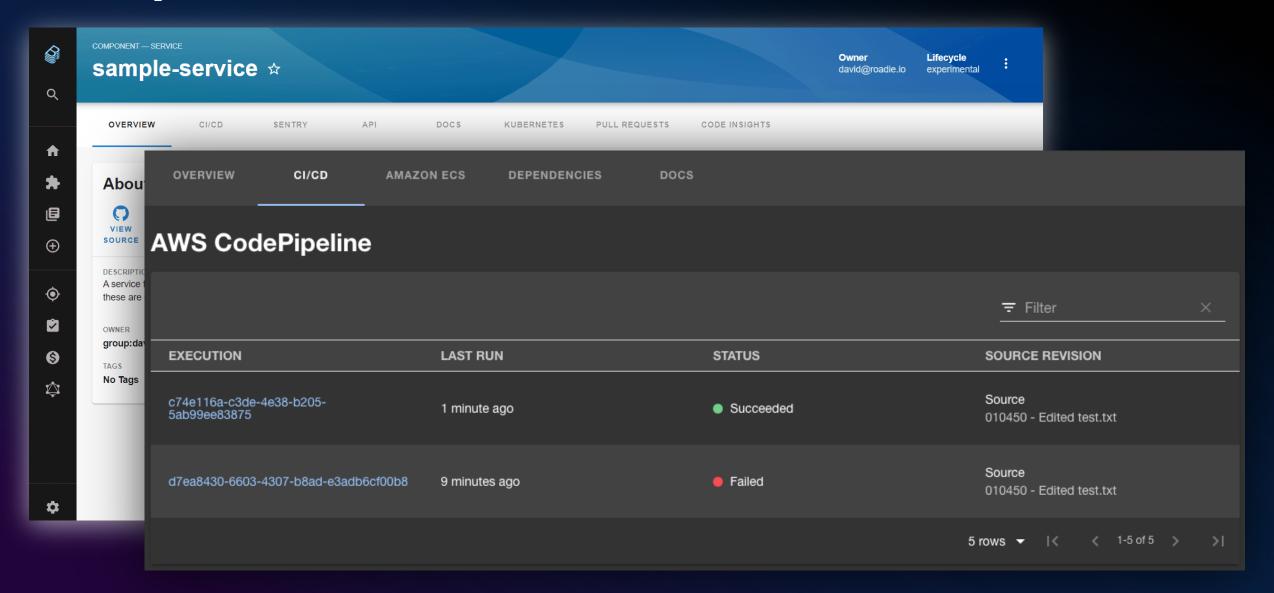


DevOps



Environment

DevOps









Tools



Testing



DevOps



Environment









Tools

Testing



Environment









Tools

Testing





Platform are not a pyramid

Config

Specific things

Common things

Traditional Model

Diverse Applications

Unified interface

Complex Tech

Platform Model

"Any improvements made anywhere besides the bottleneck are an illusion."

— Gene Kim, <u>The Phoenix Project</u>

Thank you!