SKILUP DAYS
by: DevOps Institute
ADVANCING THE HUMANS OF DEVOPS

Cedric Ziel
Senior Software Engineer
Instana, Inc.
@cedricziel
cedric.ziel@instana.com

Who am I?

Cedric Ziel
Senior Software Engineer
Instana, Inc.

Twitter: @cedricziel

Department: **QA**

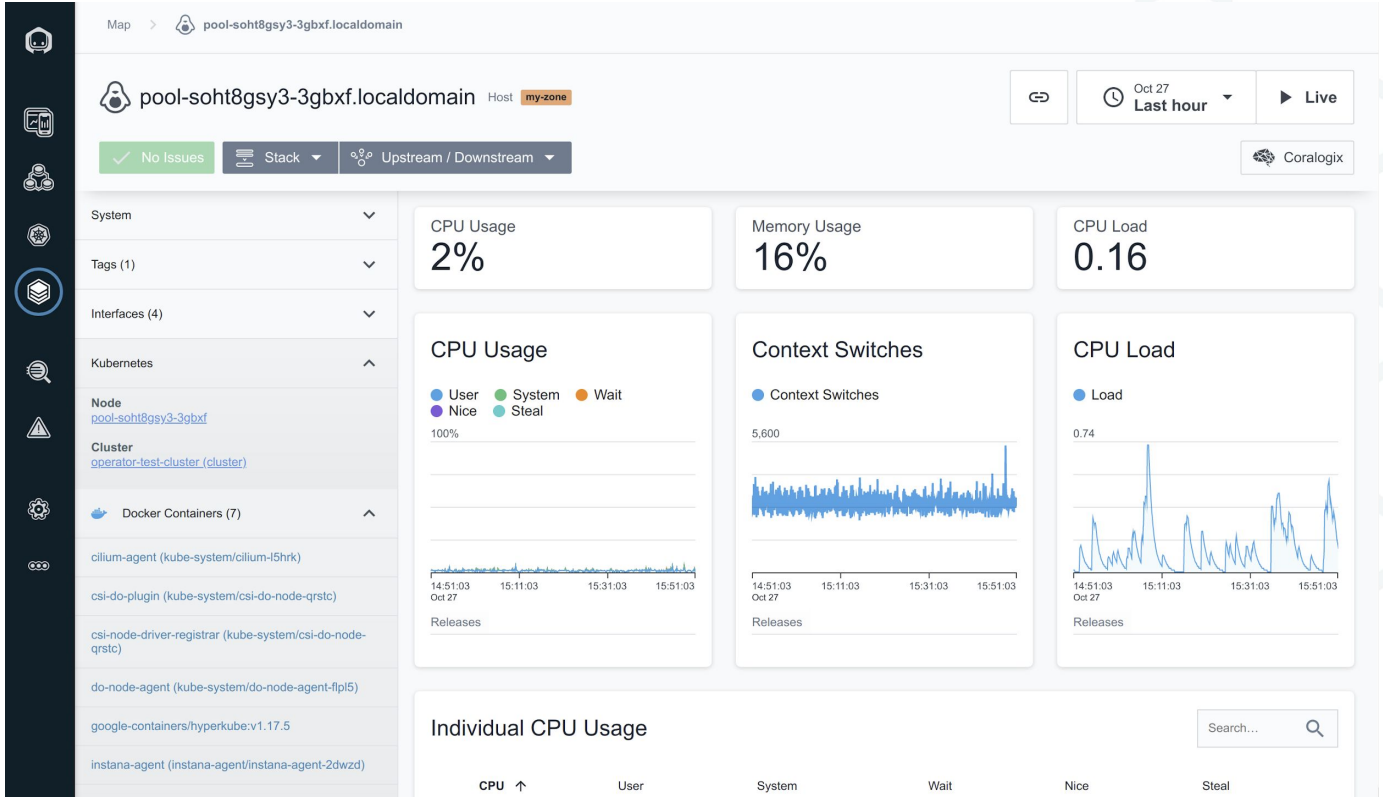
What is Instana? I

Application Performance Management

Instana shines in:

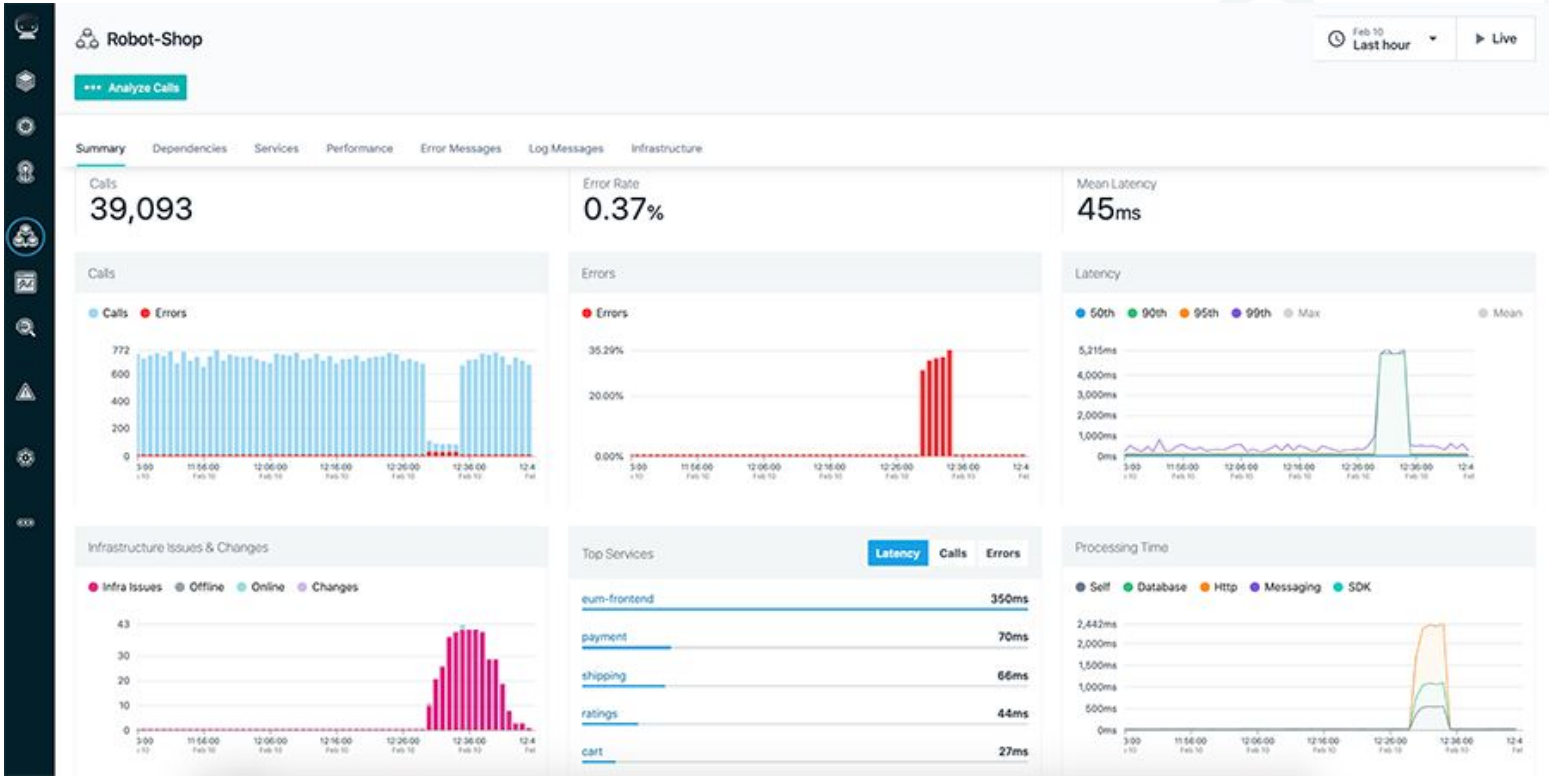
- cloud-native environments
- multi-cloud environments
- drop-in scenarios
  (let the robot do the work)

What is Instana? II



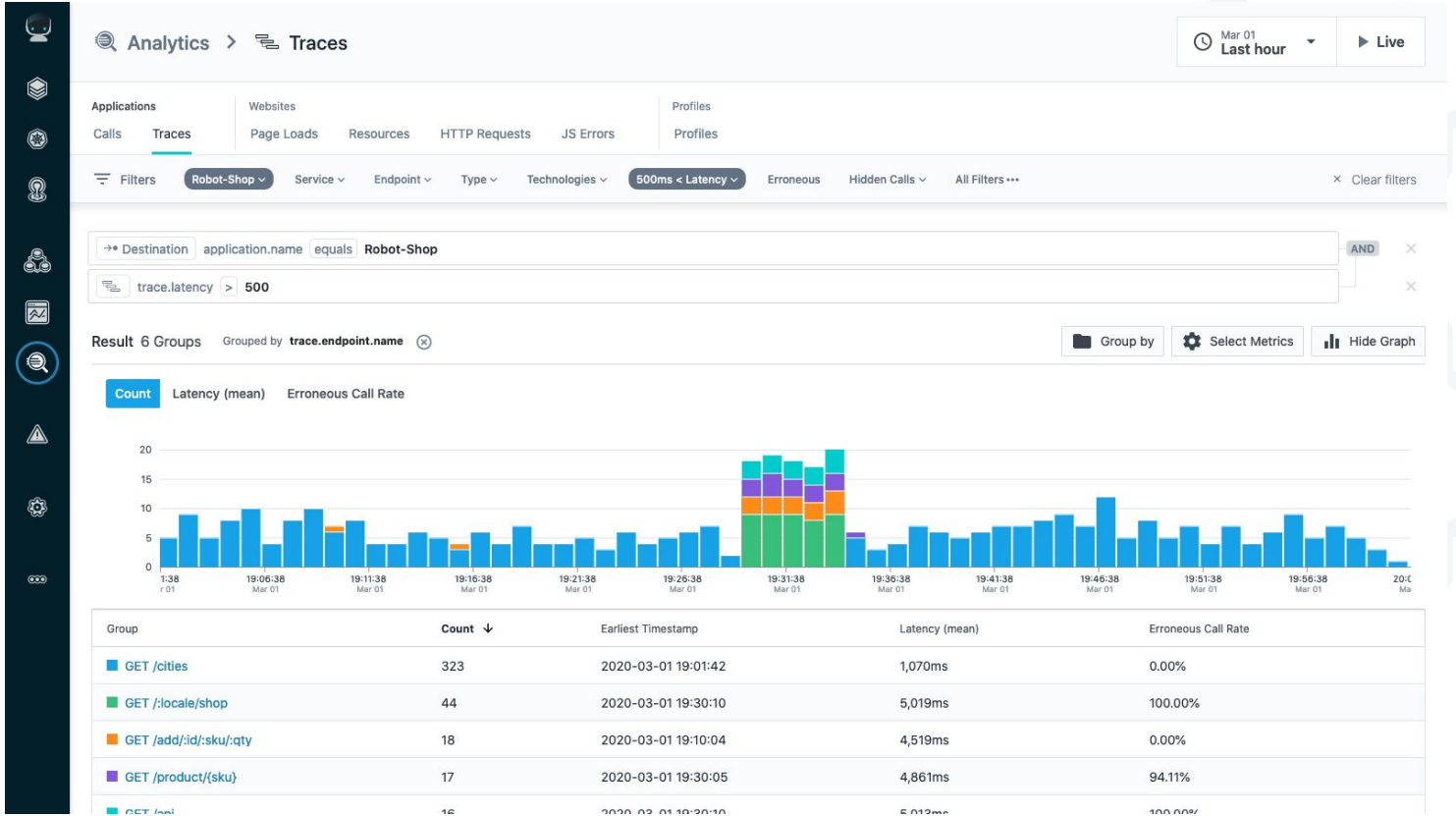
INSTANA

What is Instana? III



INSTANA

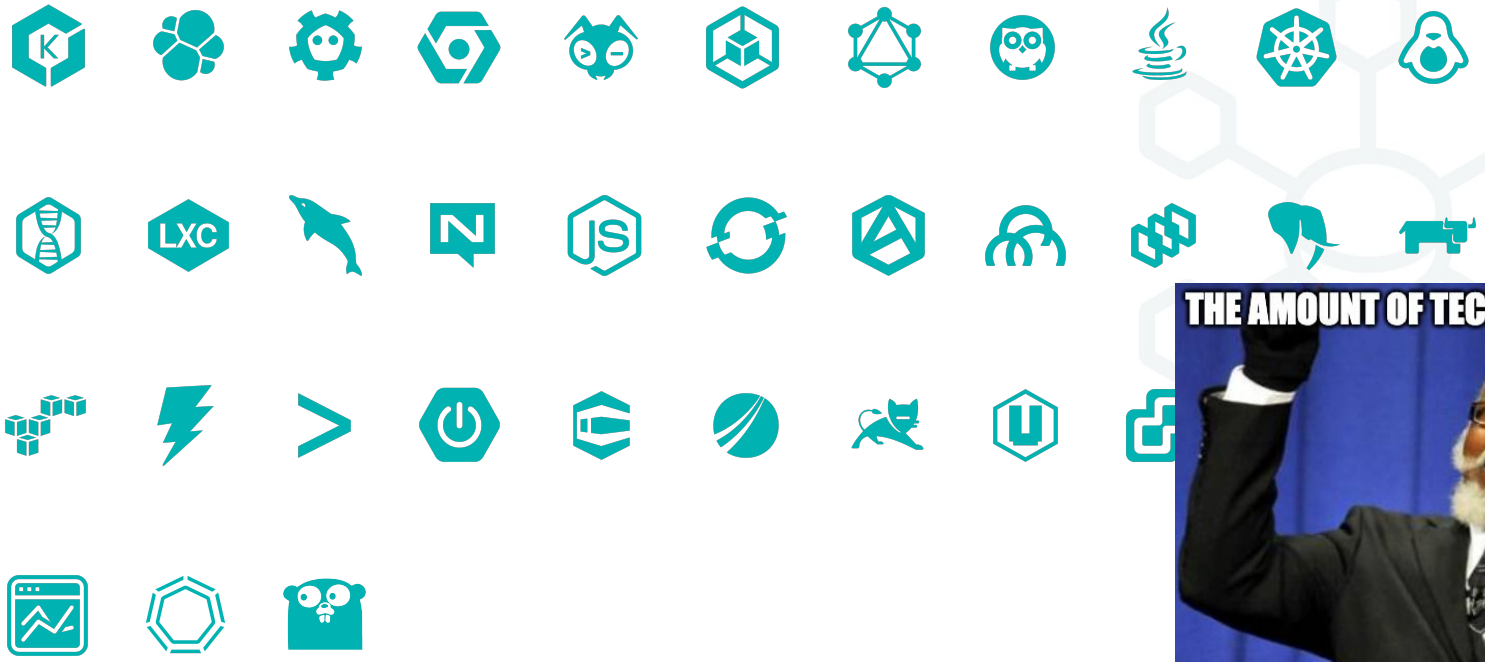
What is Instana? IV



INSTANA

State of Runtime Environments

Technology Toolbelt



How it looks like on paper

Photo by Jacques Bopp on Unsplash

How it looks like in production

Complexity
Is overhead

Complex Requirements

Matrix with inputs of:

- Containers / Bare Metal?
- Operating System?
- Scheduler?
- Cloud Provider?
- Programming Language?

Is it feasible to train specialists on each of the invariants?

Solutions to the complexity problem

What path do we choose to solve the complexity problem?

Spec out requirements to make them turn-key?

Photo by Patrick Tomasso on Unsplash

Solutions to the complexity problem

What path do we choose to solve the complexity problem?

Train engineers on each invariant of the matrix?

Photo by Victor Garcia on Unsplash

Solutions to the complexity problem

What path do we choose to solve the complexity problem?

Have infrastructure/pieces ready at their [the engineers] disposal?

Photo by EJ Yao on Unsplash

Solutions to the complexity problem

What path do we choose to solve the complexity problem?

Stand-By to assist and iterate together?

Photo by Matthew Waring on Unsplash

Key Findings

- complexity will only ever go up
- legacy will remain
- not even the brightest mind can cover every topic
- productivity will inevitably go down with growing unknowns

Engineering Enablement (EE)

Engineering Enablement I

QA can provide help at every step of the way

- Infrastructure
- technology insights
- product overview
- bottlenecks
- Verification

Goal: Reduce complexity

Engineering Enablement II

Engineers in the product teams can:

- use the resources QA provides
- use learnings that QA provides
- use QA capacity to stock up on workforce
- use QA to provide product knowledge

Requirement: Generalist engineers

Better together!

Photo by Antonio Janeski on Unsplash

www.instana.com

THANK YOU!

Meet me in the Network
Chat Lounge for questions

SKILUP DAYS
by: DevOps Institute
ADVANCING THE HUMANS OF DEVOPS