



Optimizing incident response thanks to Chaos Engineering

Paul Marsicovetere

Conf42: Chaos Engineering 2022

March 10, 2022



About Me

Paul Marsicovetere

Senior Cloud Infrastructure
Engineer, Formidable

@paulmarsicloud

paul@thecloudonmymind.com





Agenda

Why Chaos Engineering?

How can Chaos Engineering help in practice

Lessons learned



What is Chaos Engineering?



What is Chaos Engineering?

“Thoughtful, planned experiments designed to reveal the weakness in our systems”

Kolton Andrus, Co-Founder & CTO, Gremlin



Why Chaos Engineering?



🤔 Why Chaos Engineering?

Cloud dependency 

Unit/Integration testing only goes so far

Freedom from expectations



Chaos Engineering in practice



Chaos Engineering in practice

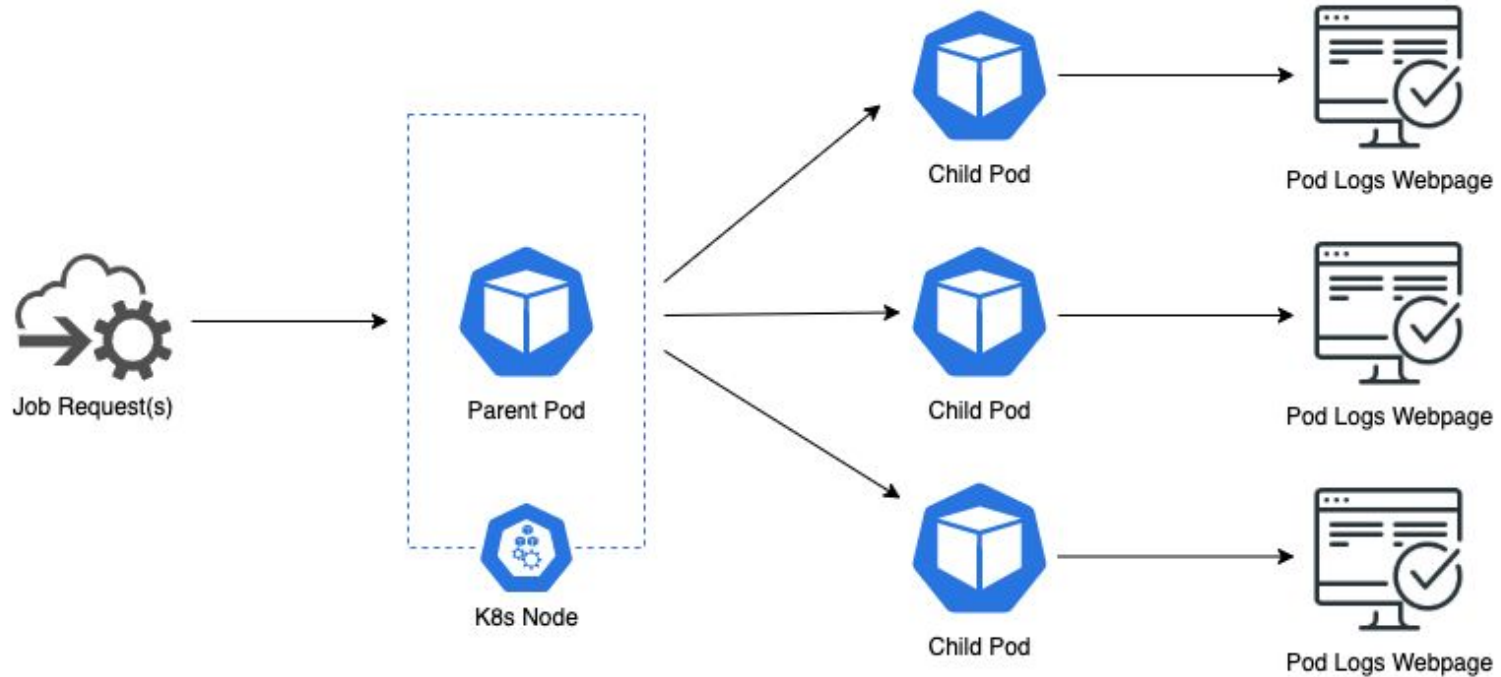
Chaos Engineering experiment setup

Running the Chaos Engineering experiment

Chaos occurs in Production!

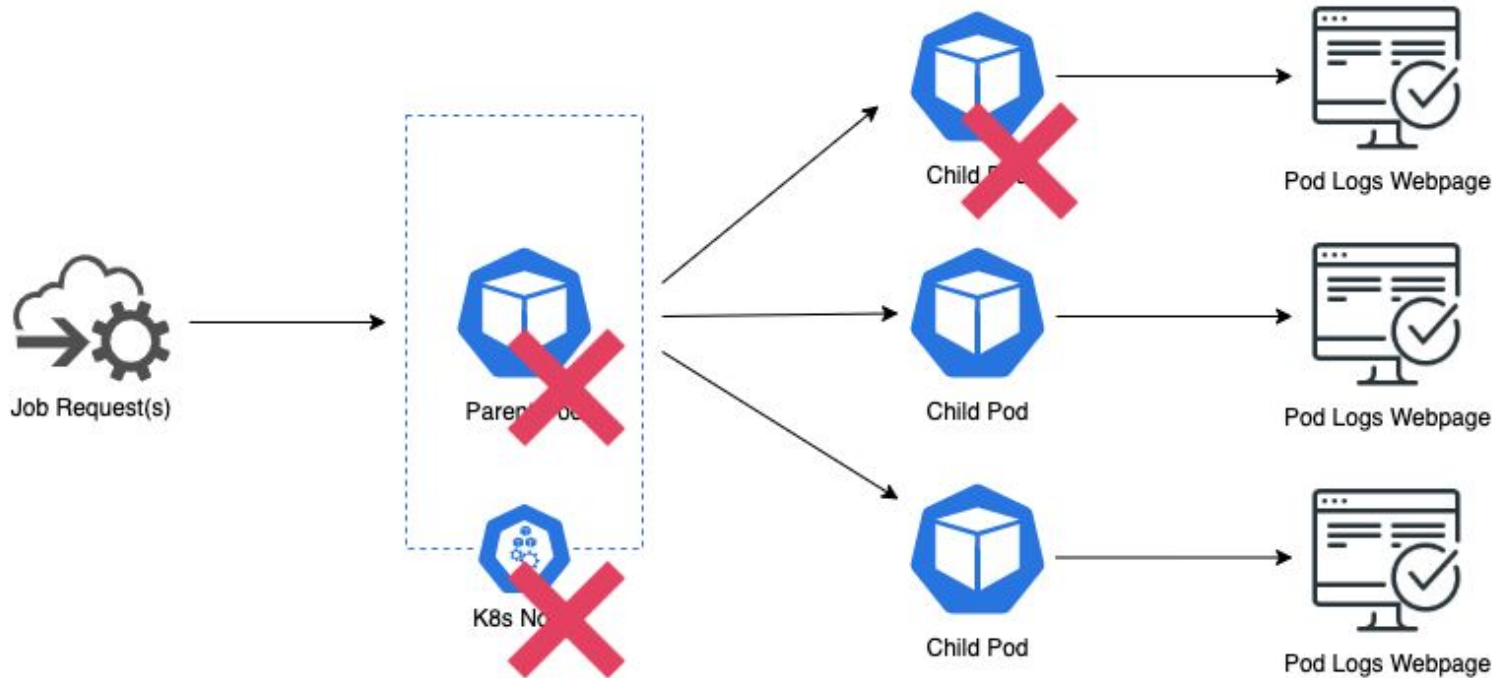


Chaos Engineering experiment setup



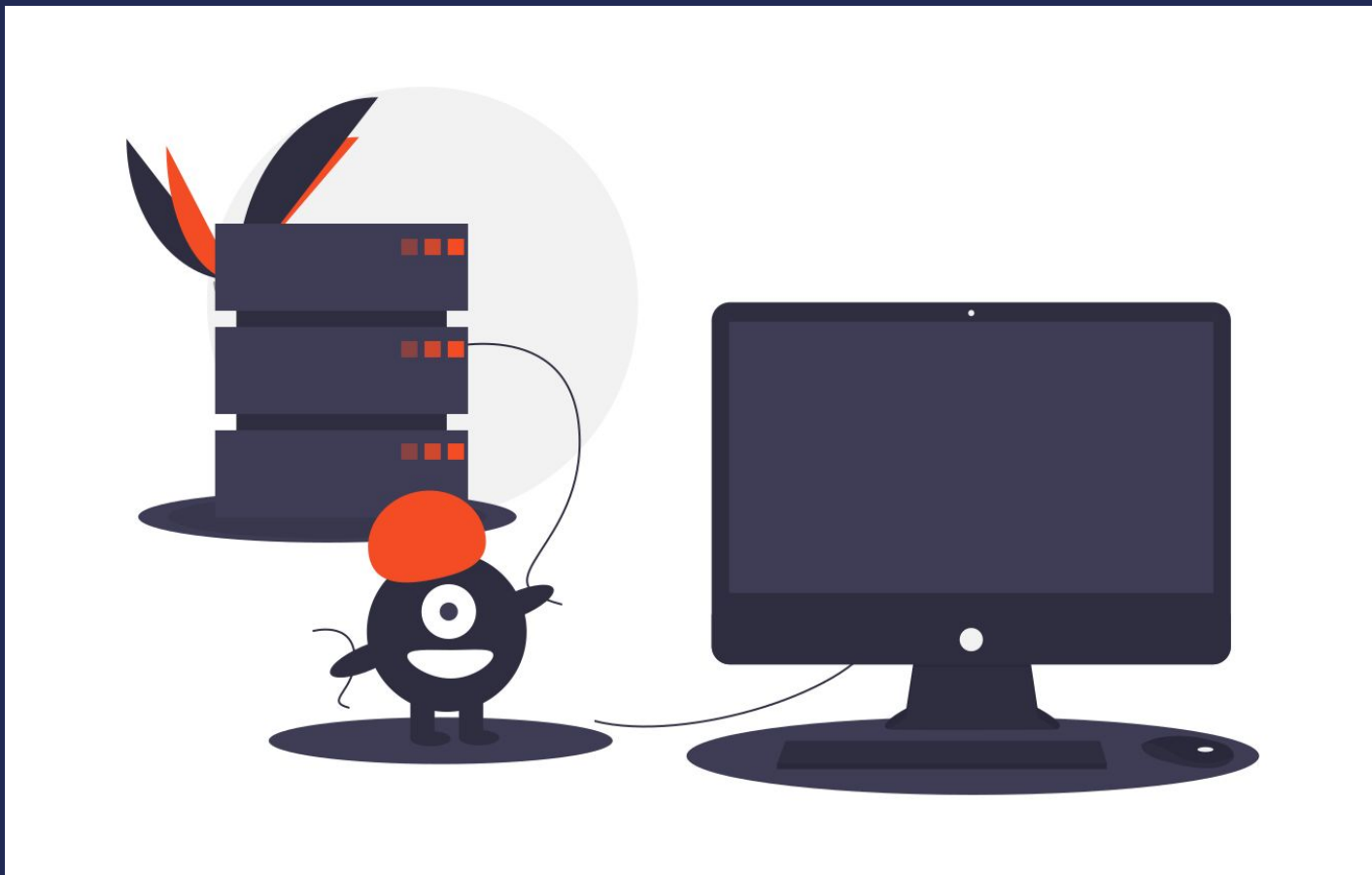


Running the Chaos Engineering experiment





😱 Chaos occurs in Production!





Lessons learned



Lessons learned

Reflecting on the experiment

Capturing experiment results

More than getting the service to “work”



Thank you!