

Principles of Chaos Engineering

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What is Chaos Engineering?

Experimenting to
ensure that the impact
of failure is mitigated

Reliability

= Availability

1. Build a Hypothesis
around Steady State
Behaviour

2. Vary Real-world Events

3. Run Experiments in Production

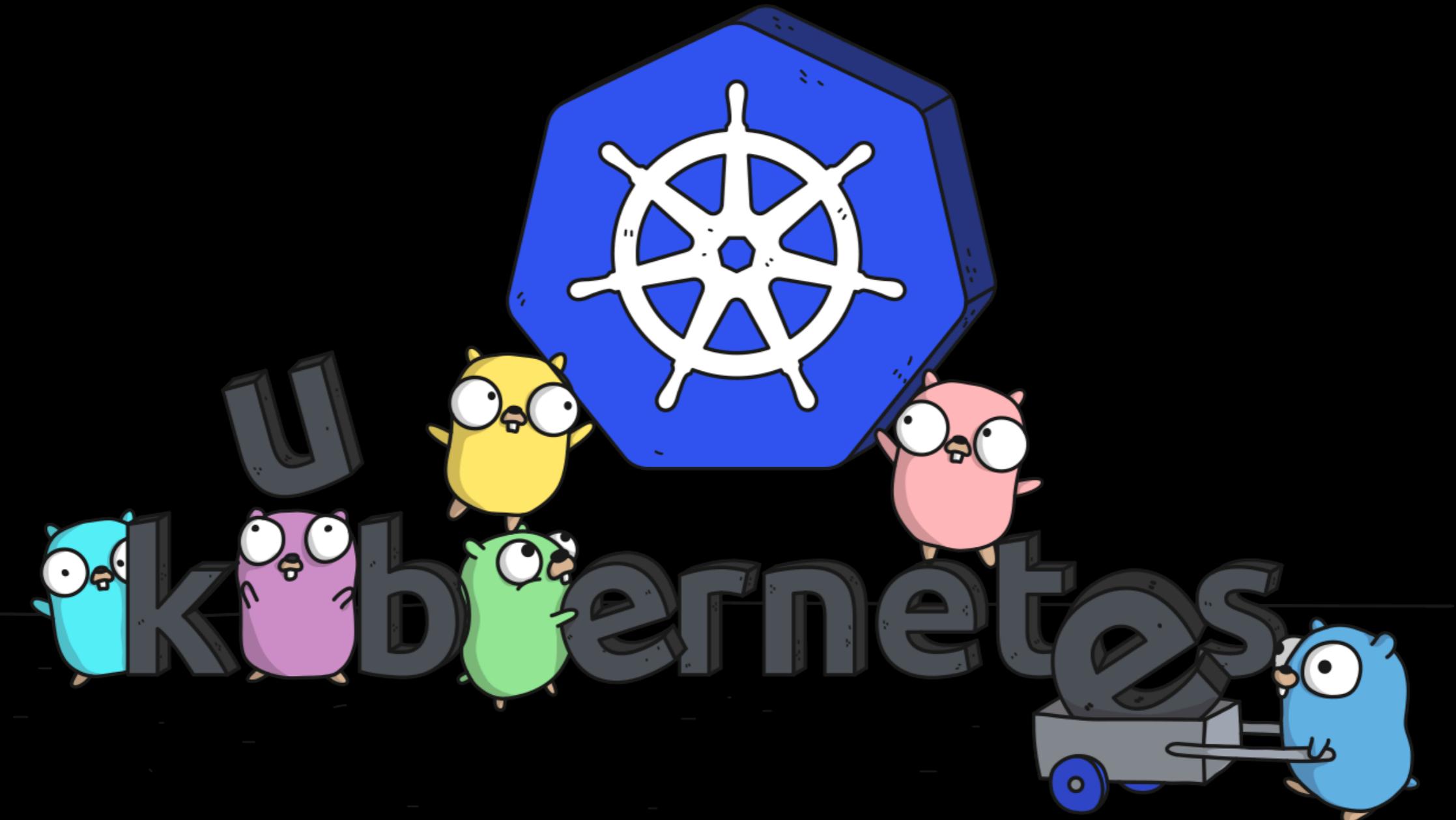
4. Automate Experiments to Run Continuously

5. Minimise Blast Radius

Practical: Chaos Toolkit

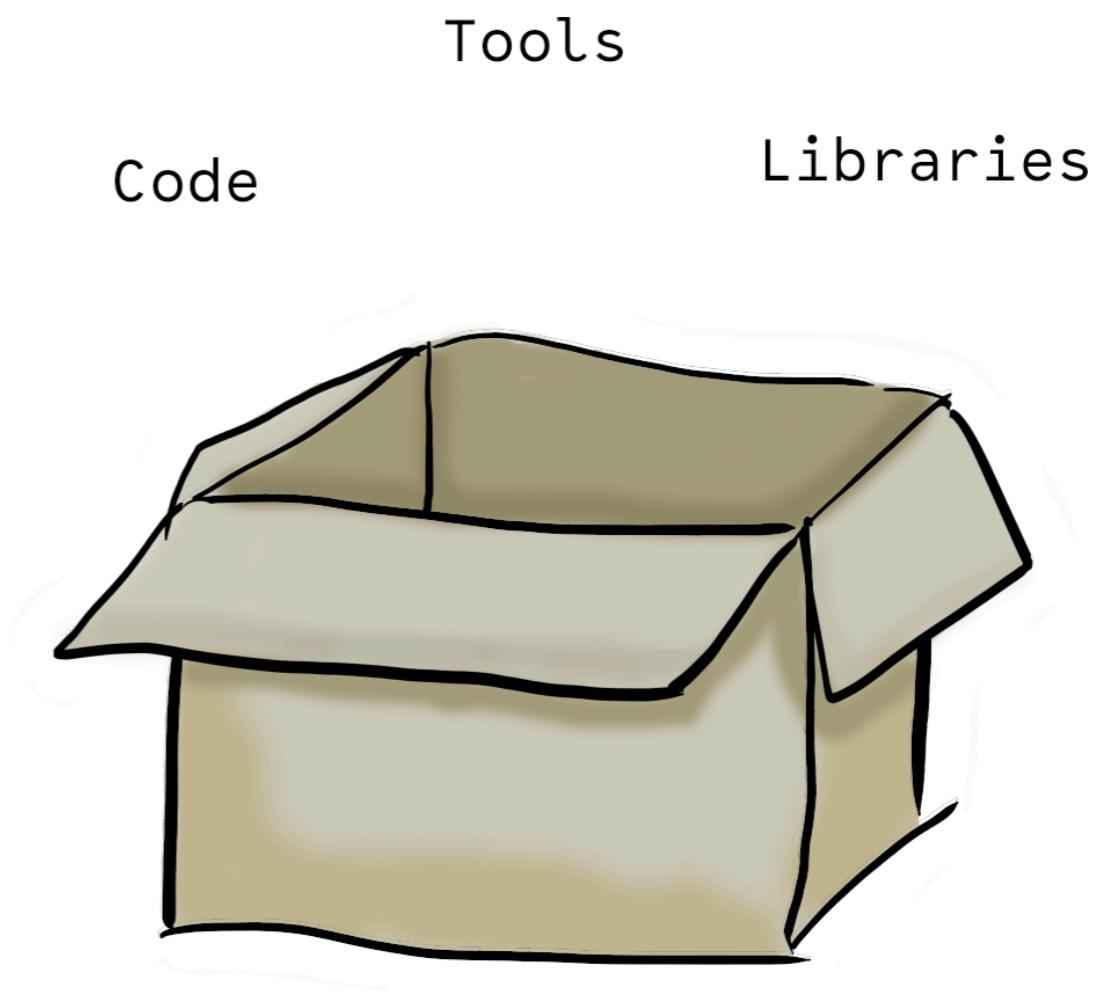
But first..

A quick intro to Kubernetes



Containers

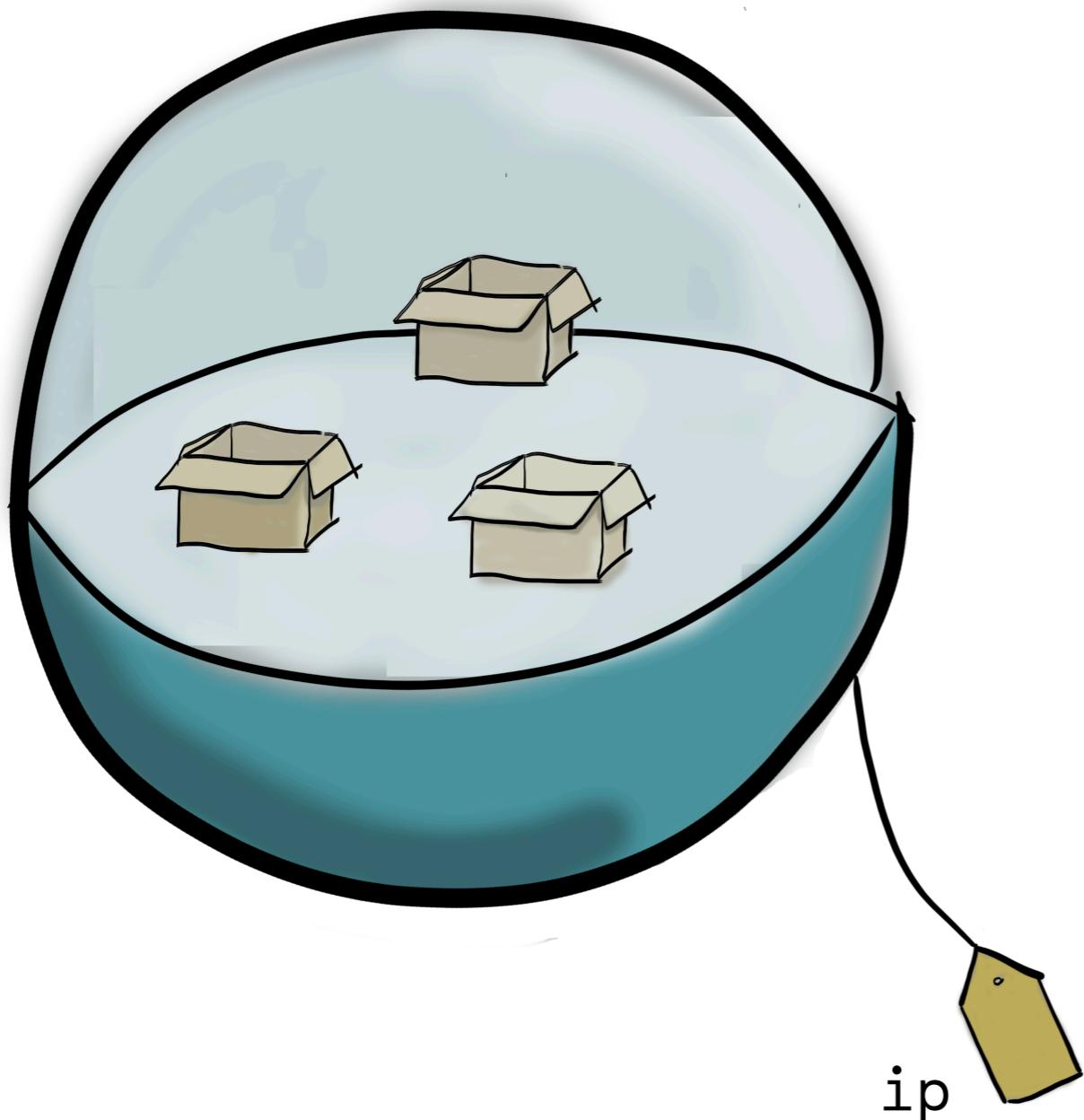
Runtimes: Docker,
rkt..



Code

Tools

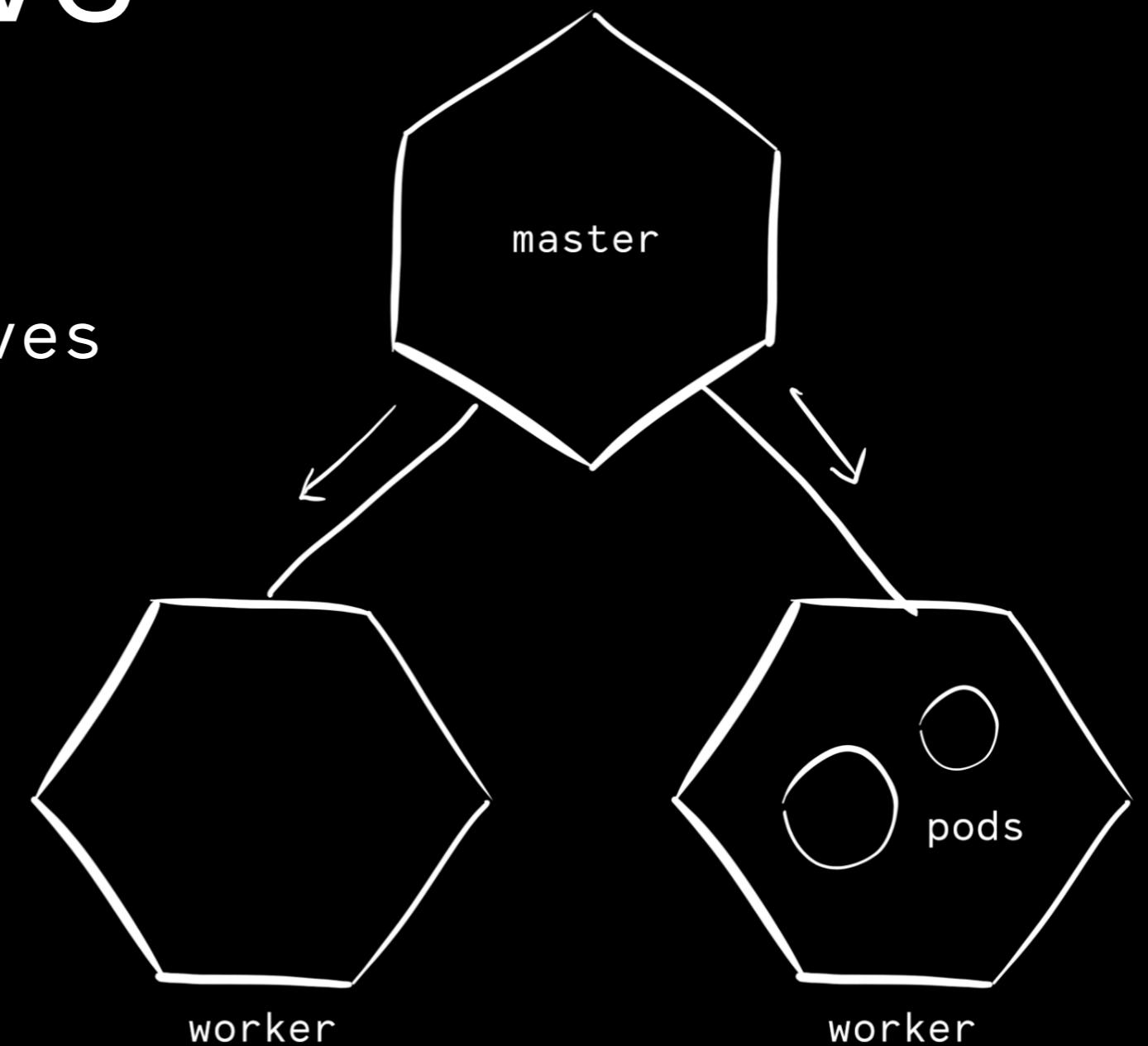
Libraries



Pods
The building
blocks

Master/Slave nodes

1 master, many slaves



A large, bright orange and yellow mushroom cloud rises from a dark, rocky landscape. The sky above is a deep, dark blue. The text is overlaid on the upper portion of the image.

Chaos Toolkit

Let's demo!

