

The background of the image is a close-up, high-contrast photograph of water ripples. The water surface is dark, with numerous small, bright highlights where the ripples catch the light, creating a textured, almost abstract pattern. The overall tone is moody and atmospheric.

Chaos Monkey

on my Laptop

A black and white photograph of a coastal night scene. The sky is filled with stars, and the Milky Way galaxy is visible as a bright, hazy band of light stretching across the upper half of the frame. In the foreground, a calm body of water reflects the light from the sky. To the left, a dark, rocky coastline is visible, with a small, bright light source on the horizon. The overall mood is serene and mysterious.

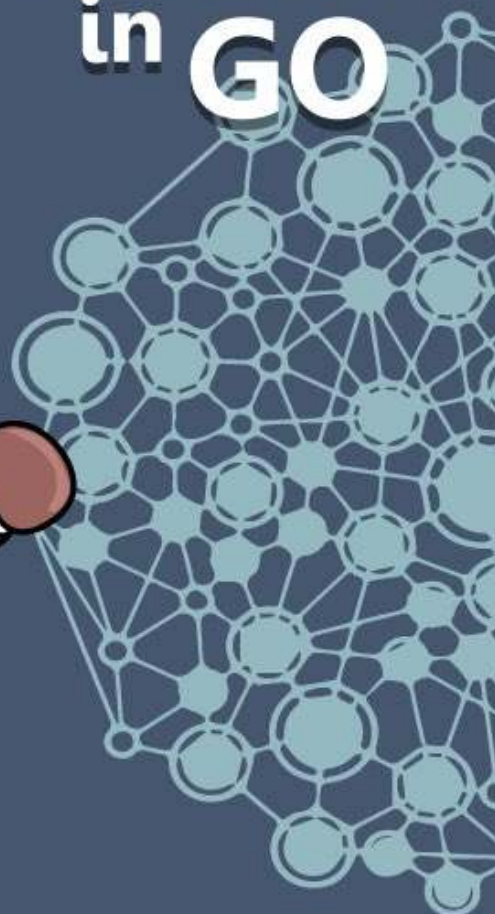
What is chaos testing?



HYPERWORKS

"Use GO to build scalable Backends"

Microservices in GO

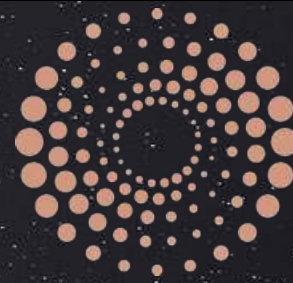


Matthew Campbell

Founder of Langfight and Errplane

MATT CAMPBELL





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Eikon Messenger

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Conversations

Alan Carino Thomson Reuters

or was that just a test screen shot/file upl...

markpason@aol.com

I am away from my computer right now an...

Allen Harvey Thomson Reuters

Our monthly newsletter, which covers mar...

Stuart Brown Thomson Reuters

will i have access before Tuesday??

jim@jimdiliberto.com

Absolutely. What's going on?

jim@jimdiliberto.com

James DiLiberto Thomson Reuters

Hey, do you have five minutes to chat

Jun 7 1:35:25 pm

jim@jimdiliberto.com

Absolutely. What's going on?

Jun 7 1:35:48 pm

Type Here

Scale

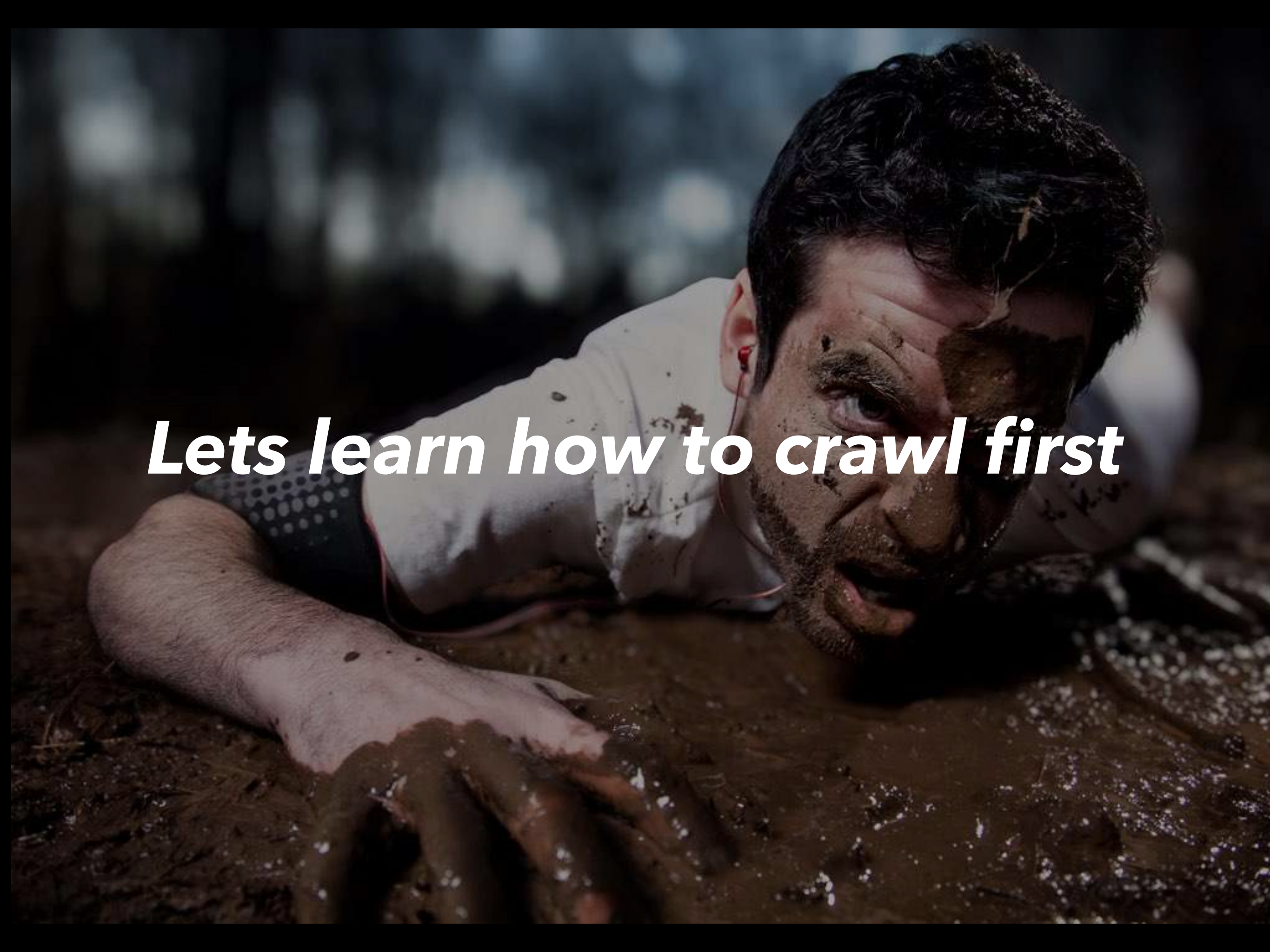
300k financial traders
Every major bank around the world

Our testing setup

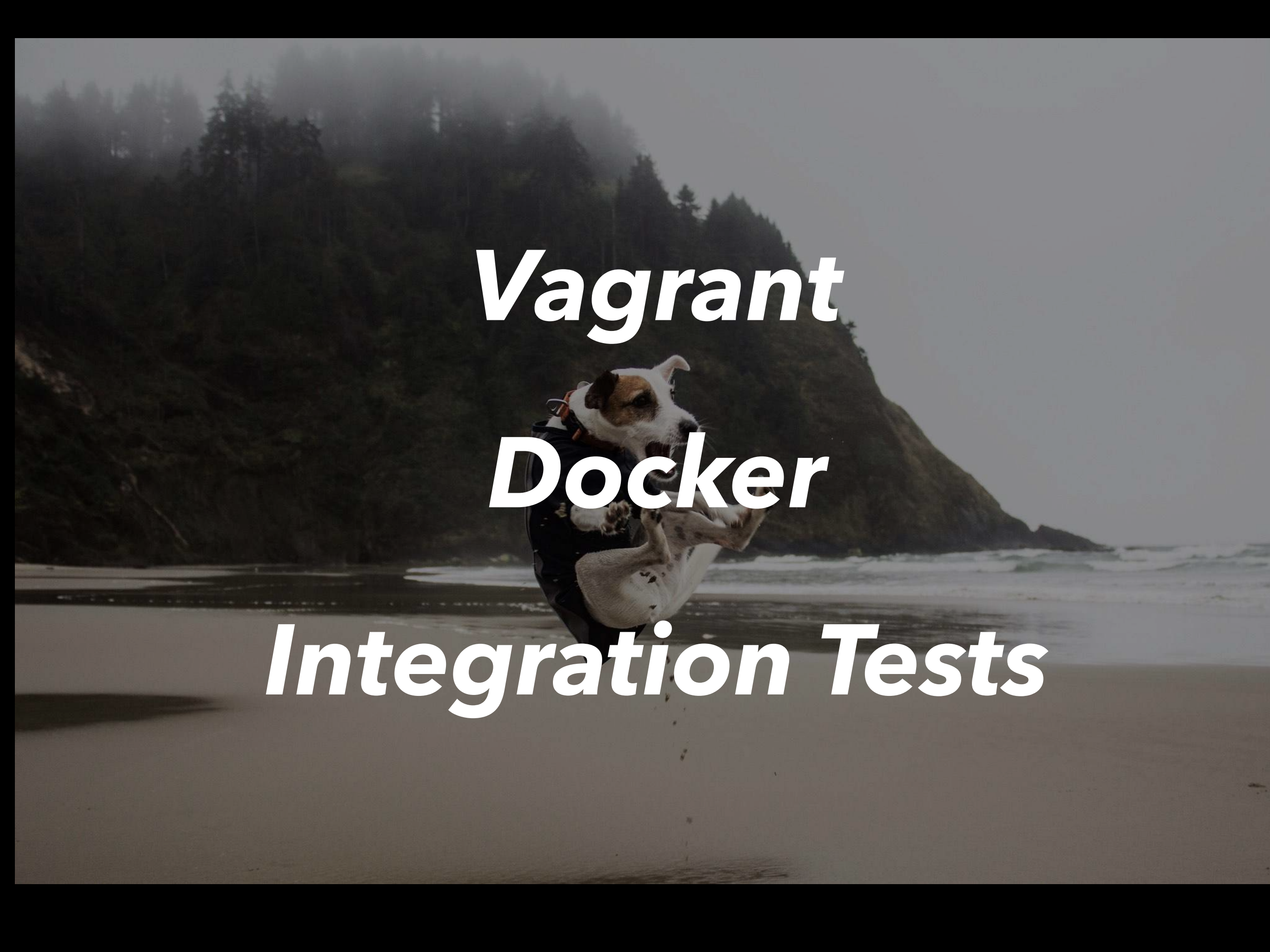


“Sweet lets just start killing
production databases”

–Said by no one

A man with dark hair and a beard is crawling on his hands and knees through thick, dark brown mud. He is wearing a white long-sleeved shirt that is splattered with mud. His face is also covered in mud, particularly around his eyes and nose. He has a determined and slightly grimacing expression, looking directly at the camera. The background is dark and out of focus, suggesting an outdoor setting at night or in low light. The overall tone is gritty and challenging.

Lets learn how to crawl first

A small, white and brown dog is captured mid-jump on a sandy beach. The dog is wearing a dark-colored life vest with orange accents. Its front paws are extended upwards, and its hind legs are also in the air. The background features a dark, forested hillside on the left and a calm ocean with white-capped waves on the right. The sky is overcast and grey. The overall scene is serene and captures a moment of playful activity.

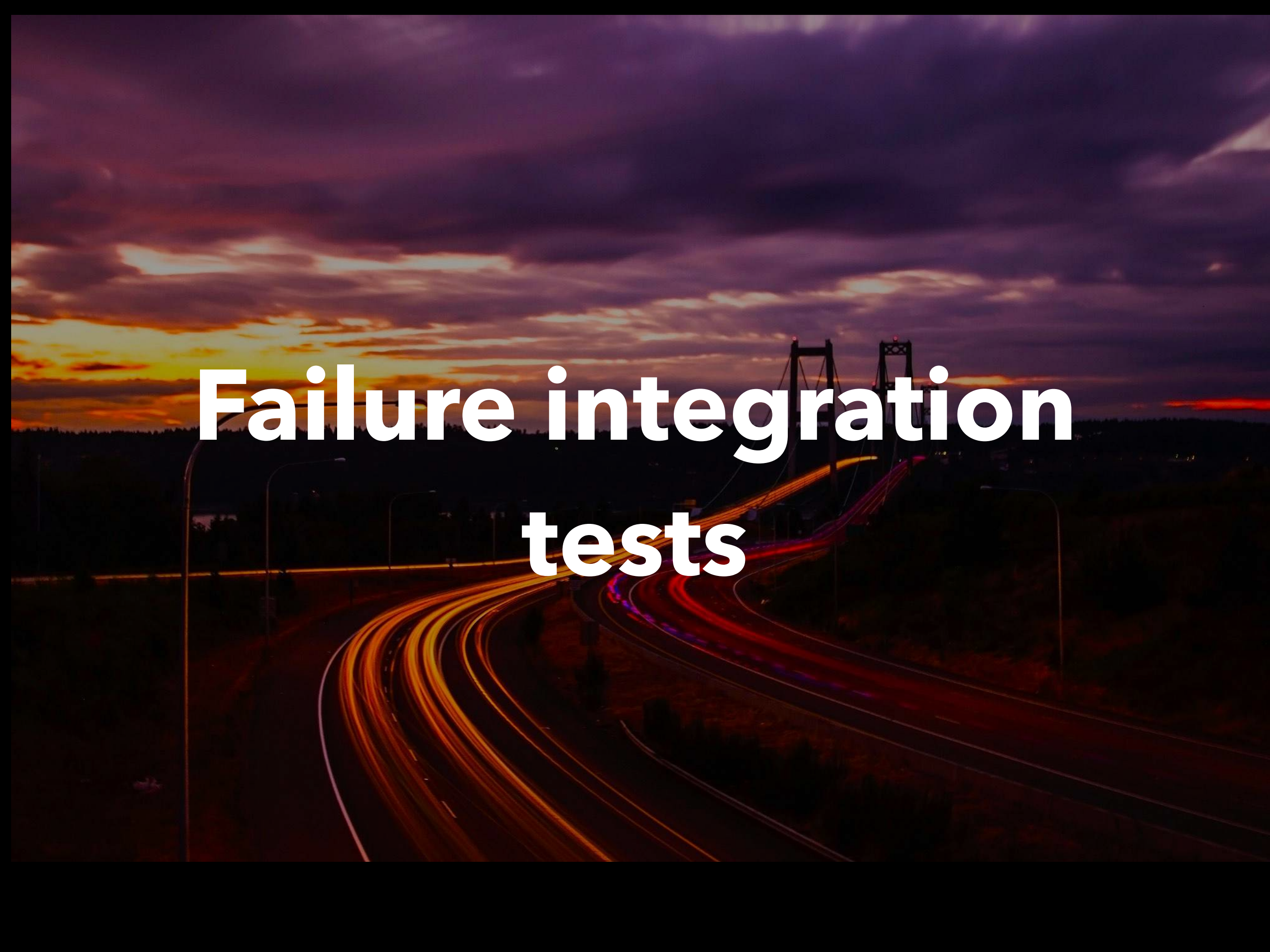
Vagrant

Docker

Integration Tests



Continuous Integration



Failure integration tests



Less Mocking

Database failovers



A black and white photograph of a coastal landscape. In the foreground, a large, dark, rounded rock formation sits on a sandy beach. To the left, the ocean waves are breaking onto the shore. In the background, a tall, jagged rock formation rises from the beach, and behind it, a dense forest of evergreen trees covers a hill. The sky is filled with soft, textured clouds. The overall mood is serene and somewhat somber due to the monochrome palette.

Microservice Problems



***Performance
Downtime
Discovery***



TheSlowNess

Problems

- **Connection pooling in go**
- **Dead tcp connections**
- **Hung connections**
- **Network splits / Congestion**

Production integration tests



Chaos Gopher





- ***Unix/GO Style tools***
- ***Simple utilities , Slowness, Failover, Assassin***

Where Next?



Better integration test suites

Allowing for flappy tests

Statistically analysis of flapping tests

Other cool projects



- Chaos Monkey (the mac daddy, Netflix)
- Chaos Lemur (from Pivotal)

Questions?

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