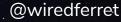


All The World's A Staging Server

Heidi Waterhouse



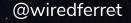
All The World's A Staging Server





The Post-Agile World





Four Elements of Software

- Development style (Definition of done)
- Source control
- Testing
- Deployment







Tinkertoys and Microservices

Testing



_aunchDarkly

• Full testing is impossible

- Decouple
- Test behavior and endpoints



Every Scar a Story

Source Control



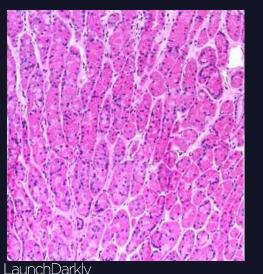
- Agile development works poorly for microservices
- Branches are a habit, not a mandate
- Question your assumptions



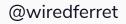


All the World's a Staging Server

Deployment



- Kill staging
- Test in production
- Launch darkly
- Go faster, be safer



Everything Is A Little Bit Broken

Development



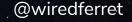
 Effort cannot be eliminated, only moved

- Development is not perfect
- Anticipate failure, celebrate success



Deployment is NOT Release

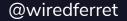




We are all testing in production.

Some of us do it on purpose.

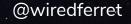




Sad Stories of the Death of

Kings





Staging is a Lie







Its a uncommon issue that i face while getting the product category in product detail page.

My code is working fine in **staging** and not working in **live**.

I used below code to get the current category.

```
if (Mage::registry('current_category'))
{
    // Category Name
    $current_category = Mage::registry('current_category')->getName();
    // Category ID
    $category_id = Mage::registry('current_category')->getId();
    // Catergory Url
    $url = Mage::getModel("catalog/category")->load($category_id)->getUrl();
}
```

This code is working fine in staging not in live.

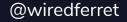




Green is Expensive







Coder.com



Start coding on **powerful servers**

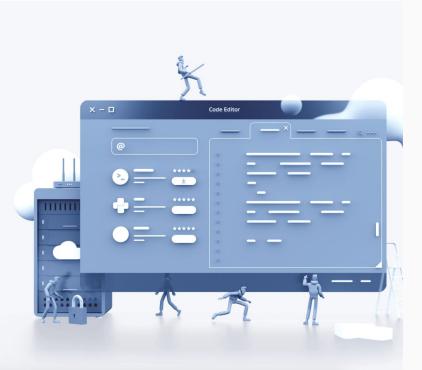
Coder is an open source remote development environment serving Visual Studio Code. Accelerate your workflow and surpass the capabilities of your local development machine.



Run Coder in Docker

LaunchDarkly

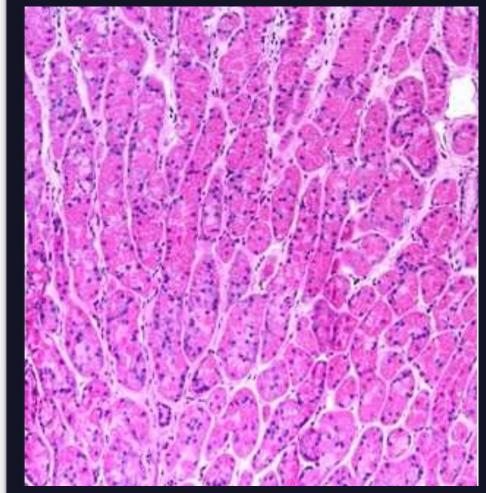
docker run -it -p 127.0.0.1:8443:8443 -v "\${PWD





Enterprise Log In

Production is Unknowable





That undiscovered country from whose bourne no traveller returns

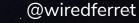
	NRQL> SELECT	? Run NewRelic Administrati •
C Query	LIII PagerDuty	
🗐 Data Explorer	Created by natasha@newrelic.com	🕒 Default 30m 60m 6h 1d 7d Custom 🗸
🗞 Data apps 🔶		
🐺 All dashboards 🛛 🔶	Incidents in the last week Since 1 week ago	After-hours incidents Since 1 week ago
ACCOUNT DASHBOARDS	80 60 40	1 22 V
Lad	20	1.22 K
8	Fri Dec 30 Sat Dec 31 2017 Mon Jan 02 Tue Jan 03 Wed Jan 04 Thu Jan 05 edge-kafka-canary-lag Java monitor interface email metrics-pipeline-seneric timeslice-shardguard	
<u>[46]</u>	dirac-monitor-staging shared-db-naglos Edge Production Vortex: Port 23456 cf-naglos-high-priority	Pagerduty Incidents
3 001: Research APM Contro	browser-dac-email-test metrics-pipeline-generic-nagios	
Lite De-featuring Anal	Incident count by escalation policy	Daytime incidents
Lill 002. Query Samples	Since 1 week ago	Since 1 week ago
\$ 007. Cross-Product Usage	80	4 07 1/
\$ 007. Cross-Product Usage	60	1 0 S K
\$ 007. Cross-Product Usage	20	TIAN
\$ 007. Cross-Product Usage(Fri Dec 30 Sat Dec 31 2017 Mon Jan 02 Tue Jan 03 Wed Jan 04 Thu Jan 05 edge-low-priority metrics-pipeline-escalation nrdb-interface-email db-team-escalation Dirac Email	Pagerduty Incidents
ADMINISTRATION	edge-escalation dcopeland dirac-escalation dds-pager-share-escalation maas-escalation	

LaunchDarkly

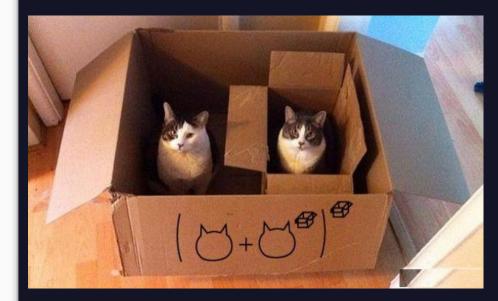
```
@wiredferret
```

Yet cheerily!

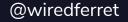
LaunchDarkly



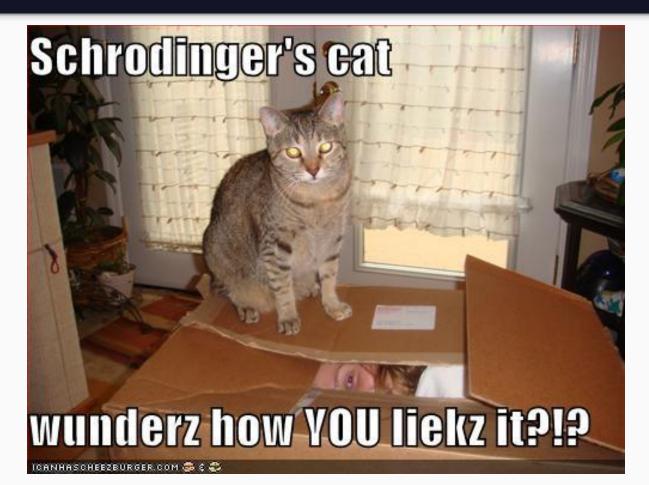
Production Can Contain Superposition





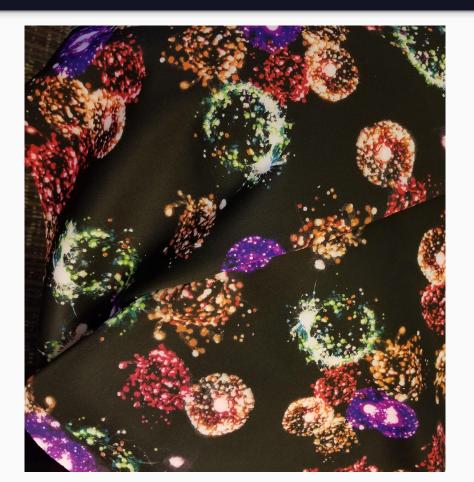


If we shadows have offended, think but this and all is mended





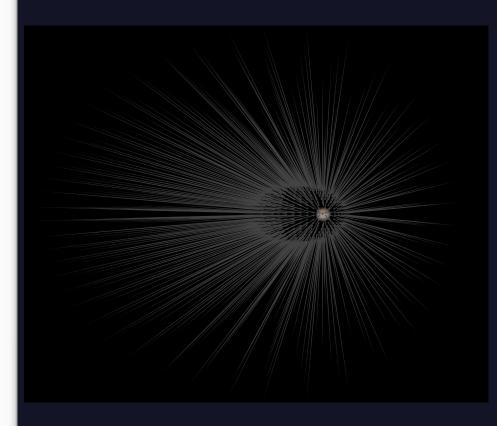
Lie ten nights awake carving the fashion of a new doublet



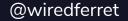




You Can Hide in the Dark







Nor heaven peep through the blanket of the dark To cry "Hold, hold!"







Wisely and slow; they stumble that run fast

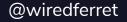


EaunchDarkly

Integration Testing **Takes Many** Forms







Our stern alarums chang'd to merry meetings

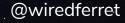






But What About....

LaunchDarkly



Testing





The play's the thing, wherein I'll catch the conscience of the king

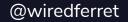


EaunchDarkly

Bad Ideas?







I know a hawk from a handsaw



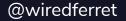




Essential Cutovers







There is a tide in the affairs of men, Which, taken at the flood, leads on to fortune;

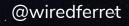




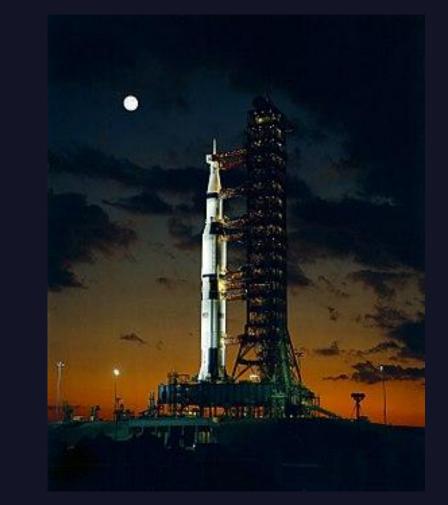


Charge

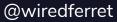




Launch Darkly



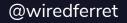




Branch By Abstraction







Test in Production



I ALWAYS TEST IN PRODUCTION egenerator.net

LaunchDarkly

tl;rt

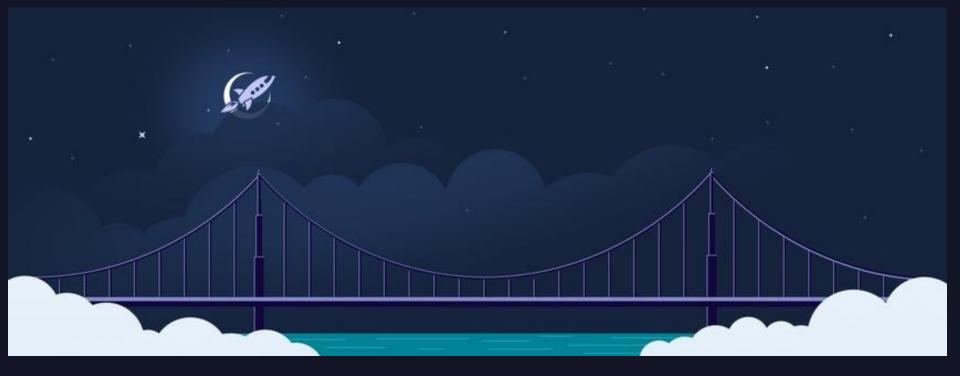
Too long;

read twitter

Kill staging, because it's a plausible lie.

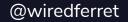
Test in production.

EaunchDarkly



launchdarkly.com/heidi







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follow us @gotochgo

Let us know what you think

Shakespeare quotes I didn't put in

I didn't put in all the Shakespeare quotes I thought of that had to do with feature flags and production. But you can find them in the speaker notes below!



