

Release Engineering Quarterly Review

Wikimedia Foundation - Q3 of FY14-15

Agenda

(26 mins)

Team intro - 3 minutes

What we said we would do/what we did - 8 minutes

What we learned - 2 minutes

Metrics and callouts - 3 minutes

What's next - 5 minutes

Asks - 5 minutes

The Team



Antoine Musso
Release Engineer



Mukunda Modell
Release Engineer



Chris McMahon
QA Lead Engineer



Sam Reed
Release Engineer



Chad Horohoe
Software Engineer



Željko Filipin
QA Engineer



Dan Duvall
Automation Engineer



Rummana Yasmeen
QA Tester



Elena Tonkovidova
QA Tester



Greg Grossmeier
Release Team Manager

FY 2013-2014



Q4

FY 2014-2015



Q1



Q2



Q3



Q4

FY 2015-2016



Q1

What we said/did

Background:

Team transitions...

Objective	Measure of success	Dependency	ETA	Status
Phabricator dev support	Phabricator deployed with Bugzilla migrated	Ops, ECT	Dec 2014	Bugzilla migrated Gerrit tbd
Jenkins performance improvements	Reduce time to build	Ops	Dec 2014	Low-hanging fruits solved Ongoing maintenance
Beta Cluster monitoring	Real monitoring in place	Ops	Dec 2014	Shinken, Graphite, NAGF Ops leading

Objective	Measure of success	Dependency	ETA	Status
Browser test workshops/trainings	Workshops completed	none	Dec 2014	We've done them (and one more today!)
Improved browser test "best practices" and "getting started" documentation	Discernible improvement in the documentation	none	Dec 2014	Pending Bug [200]1
Environment abstraction layer (EAL) in mediawiki-selenium	the EAL is merged and documented	none	Dec 2014	Pre-release 1.0.0. pre.1 announced Jan 16 2015 w/ documentation. High level guides need tweaking to reflect changes.

Objective	Measure of success	Dependency	ETA	Status
Investigate creating shareable vagrant- or docker-based test environments	Plan to attack problem in the future	none	Dec 2014	Stretch goal, minor investigation
Optimize memory hungry services running in the vagrant VM	Reduce base memory usage	none	Dec 2014	Stretch goal

What we learned

Focus

Metrics & other key accomplishments

Metrics and other key accomplishments:

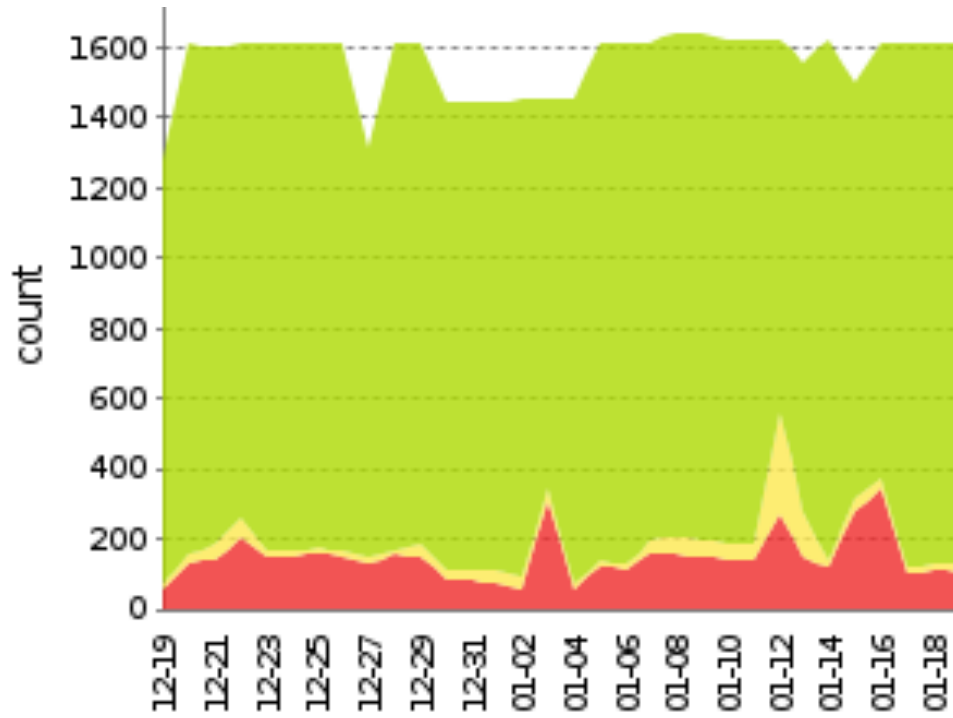
- Team Health Check Survey (aka “not a scorecard”)

Focus Area	2014-2015 Q2	
Releasing	awesome	
Process		team split between awesome and meh
Code quality	awesome	
Value	awesome	
Speed	meh	trending upwards
Mission and goal	awesome	
Fun	awesome	caveats about wanting to spend more time together
Learning	awesome	
Support	awesome	
Destiny	awesome	
Open-source citizenry	awesome	

Metrics and other key accomplishments:

- Team Health Check Survey (aka “not a scorecard”)
- Browser test maintenance/growth

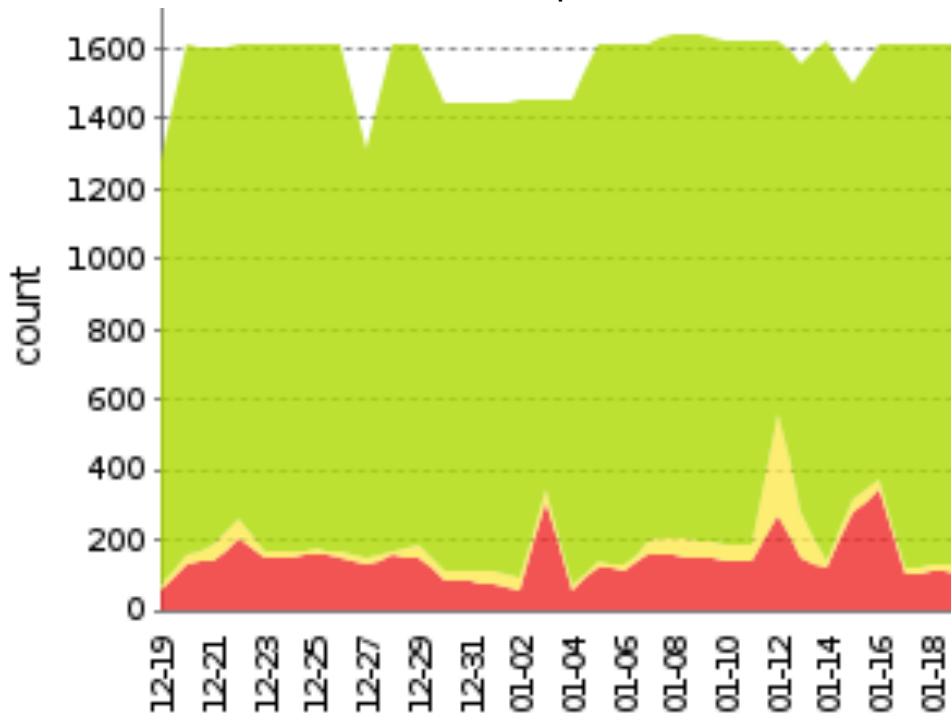
Browser Test Build History



Metrics and other key accomplishments:

- Team Health Check Survey (aka “not a scorecard”)
- Browser test maintenance/growth
- Beta Cluster uptime*

Browser Test Build History Beta Cluster "uptime"



Yes yes yes, I know.

What's next

Focus

Objective	Measure of success	Dependency	ETA	Status
Beta Cluster stability	Green nightly builds, stable uptime metrics, by team test history	Ops	March 2015	Begun, special medal to YuviPanda
Successfully re-integrate MediaWiki releases	On time releases with minimal impact on our team's time.	MW Core	May 25, 2015 (scheduled next MW release)	Just begun, talk more next week at Dev Summit
Isolated CI instances	We use single-use test instances for CI	Labs ops	July 2015 (reasonably)	Draft architecture plan available
Team process improvements	Follow-up to determine the needs	TPG	June 2015	Begun Team offsite this saturday!

Asks

- TPG Support
- Ops buy-in
- Treating test failures seriously