

RelEng + QA Quarterly Review

2014 “August”

Last quarter - What we said

Deployment tooling

- (continued from last quarter) Process through all (useful) pain points from the Dev/Deploy review session
- Integrate HHVM support into our deployment system
- start the scap(py) & trebuchet integration conversation

Last quarter - What we did

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Beta cluster

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- Support HHVM deployment tooling and puppet configuration testing
- Swift cluster in beta (stretch goal)

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QA

- (From last quarter) Use tags to run builds appropriate to released versions (e.g. don't run master build on test2wiki)
- (continued) Retire Cloudbees Jenkins instance
- Integrate WMF Jenkins with new WMF SauceLabs account
 - Execute tests in parallel
- Use API to create test data at runtime more widely (not just for MobileFrontend but also VisualEditor, Flow, local dev env etc.)
- Add browsertests to new repos e.g. GettingStarted

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Next quarter

Next quarter

Phabricator

- Migration from Bugzilla completed
 - Be an example early adopter of features
- Migration from Trello/Mingle started
- Migration from Gerrit completed (pending unforeseen issues)

Metrics

- Number of team migrated to Phabricator vs number of teams using Trello/Mingle right now

Next quarter

Deployment tooling

- scap(py) & trebuchet integration
 - how much and what it looks like TBD, some from the requirements doc
- increasing bus factor (important due to new hires/team changes)

Next quarter

Jenkins

- Jenkins performance improvements
 - performance is suffering as it controls more and more tasks, causing many false failures.
 - provisioning more slaves is one aspect of this
- maintenance and new test infrastructure requests (ongoing)

Next quarter

Beta cluster

- Add new services (-oids)
- Swift cluster (remove NFS)
- Beta Cluster monitoring (baseline)
- Yet Another Cluster
- Increasing bus factor

Metrics

- Real data and graphs from real monitoring

Next quarter

Browser Testing

- Workshops/trainings in lieu of one-to-one pair programming
- Improved "best practices" and "getting started" documentation
- Continued pairing with WMF Engineering teams
- Begin pairing with the Flow team
- Environment abstraction layer in mediawiki-selenium

Metrics

- tracking state of browser tests before Thursday branch cut
- days since last green build, per Jenkins job

Next quarter

Vagrant

- Wrap up pairing with MobileFrontend
- Better browser test runner, eg "vagrant run-browser-tests"
- Investigate creating shareable vagrant- or docker-based test environments
- Optimize memory hungry services running in the vagrant VM

Metrics

- qualitative survey of WMF teams on their use of Vagrant
- number of/percentage of WMF production deployed extensions available in Vagrant

Next quarter

Hiring

- Complete hiring for QA Tester

Next quarter - Dependencies

Ops:

- Swift in Beta Cluster
- Beta Cluster Monitoring
- Yet Another Cluster

Next quarter - Dependencies

MW Core:

- HHVM
- supportive in Beta Cluster and Deploy Tooling

Questions

(if you haven't already asked them)