LOS ANGELES

DRUPALCON 2015

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Issue Workspaces:

A better way to collaborate in Drupal.org issue queues

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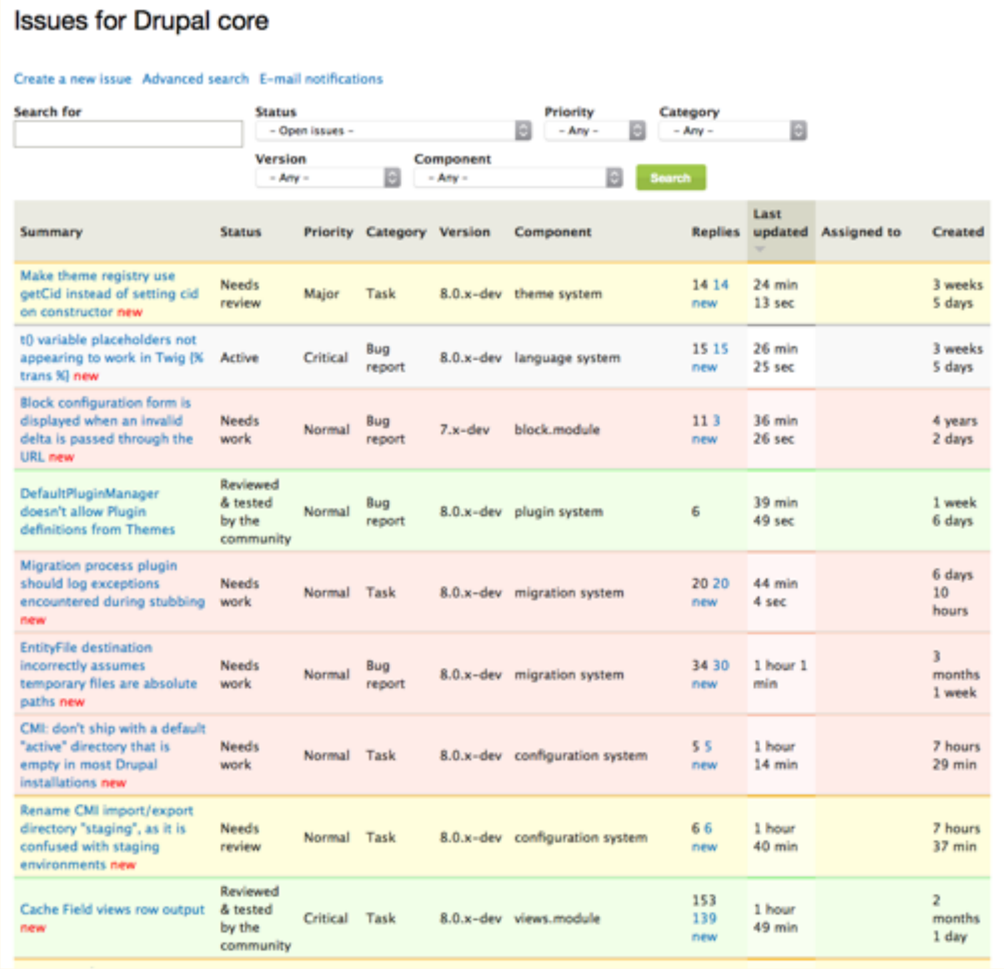
Drupal.org track

Drupal.org issue queues



Issues for Drupal core

Create a new issue Advanced search E-mail notifications

Search for

Status: - Open issues -

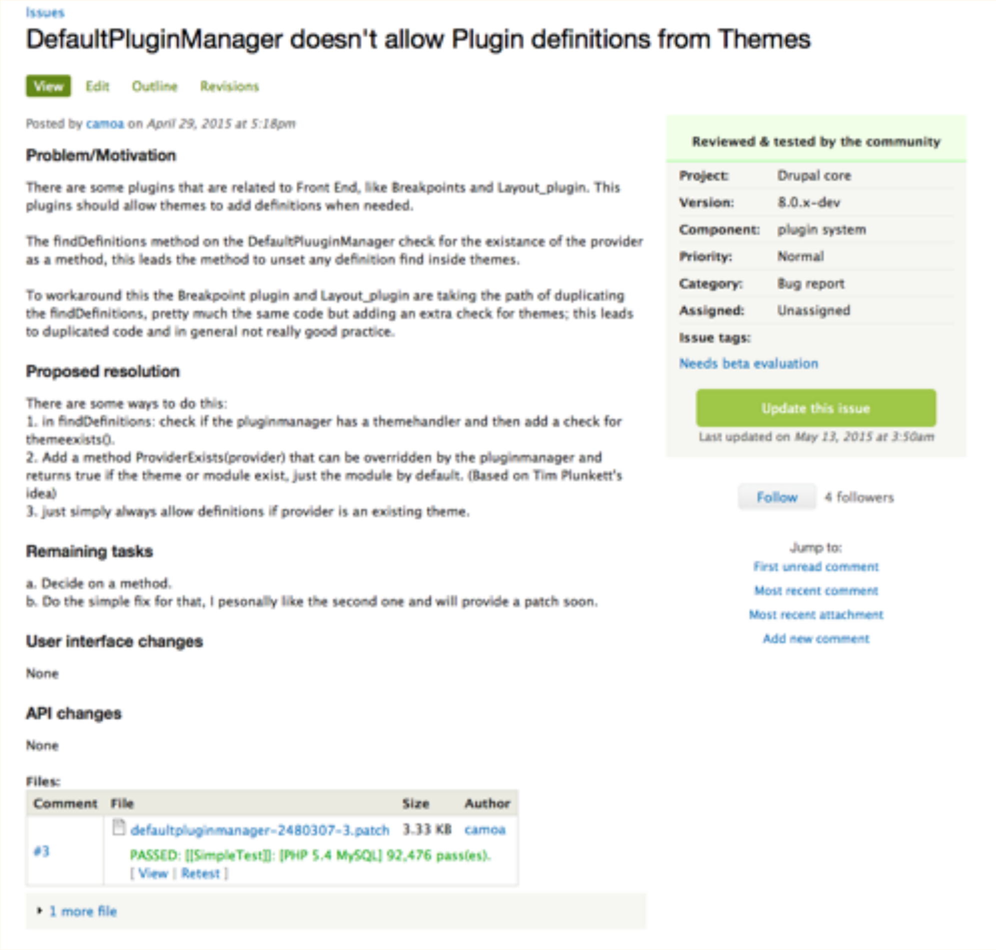
Priority: - Any -

Category: - Any -

Version: - Any -

Component: - Any -

Summary	Status	Priority	Category	Version	Component	Replies	Last updated	Assigned to	Created
Make theme registry use getCid instead of setting cid on constructor new	Needs review	Major	Task	8.0.x-dev	theme system	14 14 new	24 min 13 sec		3 weeks 5 days
t() variable placeholders not appearing to work in Twig {% trans %} new	Active	Critical	Bug report	8.0.x-dev	language system	15 15 new	26 min 25 sec		3 weeks 5 days
Block configuration form is displayed when an invalid delta is passed through the URL new	Needs work	Normal	Bug report	7.x-dev	block.module	11 3 new	36 min 26 sec		4 years 2 days
DefaultPluginManager doesn't allow Plugin definitions from Themes	Reviewed & tested by the community	Normal	Bug report	8.0.x-dev	plugin system	6	39 min 49 sec		1 week 6 days
Migration process plugin should log exceptions encountered during stubbing new	Needs work	Normal	Task	8.0.x-dev	migration system	20 20 new	44 min 4 sec		6 days 10 hours
EntityFile destination incorrectly assumes temporary files are absolute paths new	Needs work	Normal	Bug report	8.0.x-dev	migration system	34 30 new	1 hour 1 min		3 months 1 week
CMI: don't ship with a default "active" directory that is empty in most Drupal installations new	Needs work	Normal	Task	8.0.x-dev	configuration system	5 5 new	1 hour 14 min		7 hours 29 min
Rename CMI import/export directory "staging", as it is confused with staging environments new	Needs review	Normal	Task	8.0.x-dev	configuration system	6 6 new	1 hour 40 min		7 hours 37 min
Cache Field views row output new	Reviewed & tested by the community	Critical	Task	8.0.x-dev	views.module	153 139 new	1 hour 49 min		2 months 1 day



Issues

DefaultPluginManager doesn't allow Plugin definitions from Themes

Posted by camoa on *April 29, 2015 at 5:18pm*

Problem/Motivation

There are some plugins that are related to Front End, like Breakpoints and Layout_plugin. This plugins should allow themes to add definitions when needed.

The findDefinitions method on the DefaultPluuginManager check for the existance of the provider as a method, this leads the method to unset any definition find inside themes.

To workaround this the Breakpoint plugin and Layout_plugin are taking the path of duplicating the findDefinitions, pretty much the same code but adding an extra check for themes; this leads to duplicated code and in general not really good practice.

Proposed resolution

There are some ways to do this:
1. in findDefinitions: check if the pluginmanager has a themehandler and then add a check for themeexists().
2. Add a method ProviderExists(provider) that can be overridden by the pluginmanager and returns true if the theme or module exist, just the module by default. (Based on Tim Plunkett's idea)
3. just simply always allow definitions if provider is an existing theme.

Remaining tasks

a. Decide on a method.
b. Do the simple fix for that, I pesonally like the second one and will provide a patch soon.

User interface changes

None

API changes

None

Files:

Comment	File	Size	Author
#3	defaultpluginmanager-2480307-3.patch PASSED: [[SimpleTest]]: [PHP 5.4 MySQL] 92,476 pass(es). [View | Retest]	3.33 KB	camoa

▸ 1 more file

Reviewed & tested by the community

Project:	Drupal core
Version:	8.0.x-dev
Component:	plugin system
Priority:	Normal
Category:	Bug report
Assigned:	Unassigned

Issue tags:

Needs beta evaluation

Last updated on *May 13, 2015 at 3:50am*

4 followers

Jump to:
First unread comment
Most recent comment
Most recent attachment
Add new comment

Limitations of the current issue queues

- Complex workflow with many steps
- Trivial changes require complex workflow
- Difficult for Learners
- No visibility between issues
- Patch Review can be challenging
- Stale Patches

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What would better tools look like?

A better issue queue

- Uses git, instead of patches to submit, review, and accept work, i.e. “Pull requests” + “Forks”
- Detects code conflicts and provides immediate notification
- Integrates code review functionality
- Allows inline editing for smaller fixes

Our constraints:

- Minimize disruption
- Preserve collaboration
- Keep Drupal.org home of the community
- Limited Resources

What are the options?

- Do Nothing
- Externally Hosted Service
- Self Hosted Software
- Modernize Drupal.org’s Issue queues

Option 1: Do nothing

Keep our tools as they are.

Option 2: Move to a hosted service

GitHub’s Data Model

Fragmented Social Coding

- Code changes on GitHub are pull requests.
- Both pull requests and issues have comments.
- If someone else wants to work on the same code, they fork a pull request.
- When you fork a pull request, you fork a conversation. It is now in multiple places.

Drupal.org’s Data Model

Collaborative Social Coding

- Code changes on Drupal.org are patches.
- Patches live in comments on issues
- If someone else wants to work on the same code, they create a new patch.
- *Conversation happens in one place.*

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Hosted Service Wins and Fails

Option 3: Move to self-hosted service

PHABRICATOR

Atlassian FishEye

Atlassian Crucible

Self Hosted Software Wins and Fails

Option 4: Modernize The Issue Queue

Option 4: Modernize Drupal.org Issue Queues

- Similar to Phase 3 of the “Great Git Migration”
- Add new features to existing Issue Queues & git daemon
- Minimal disruption
- Preserves collaboration
- Keeps Drupal.org home of the community
- Achievable given the resources available

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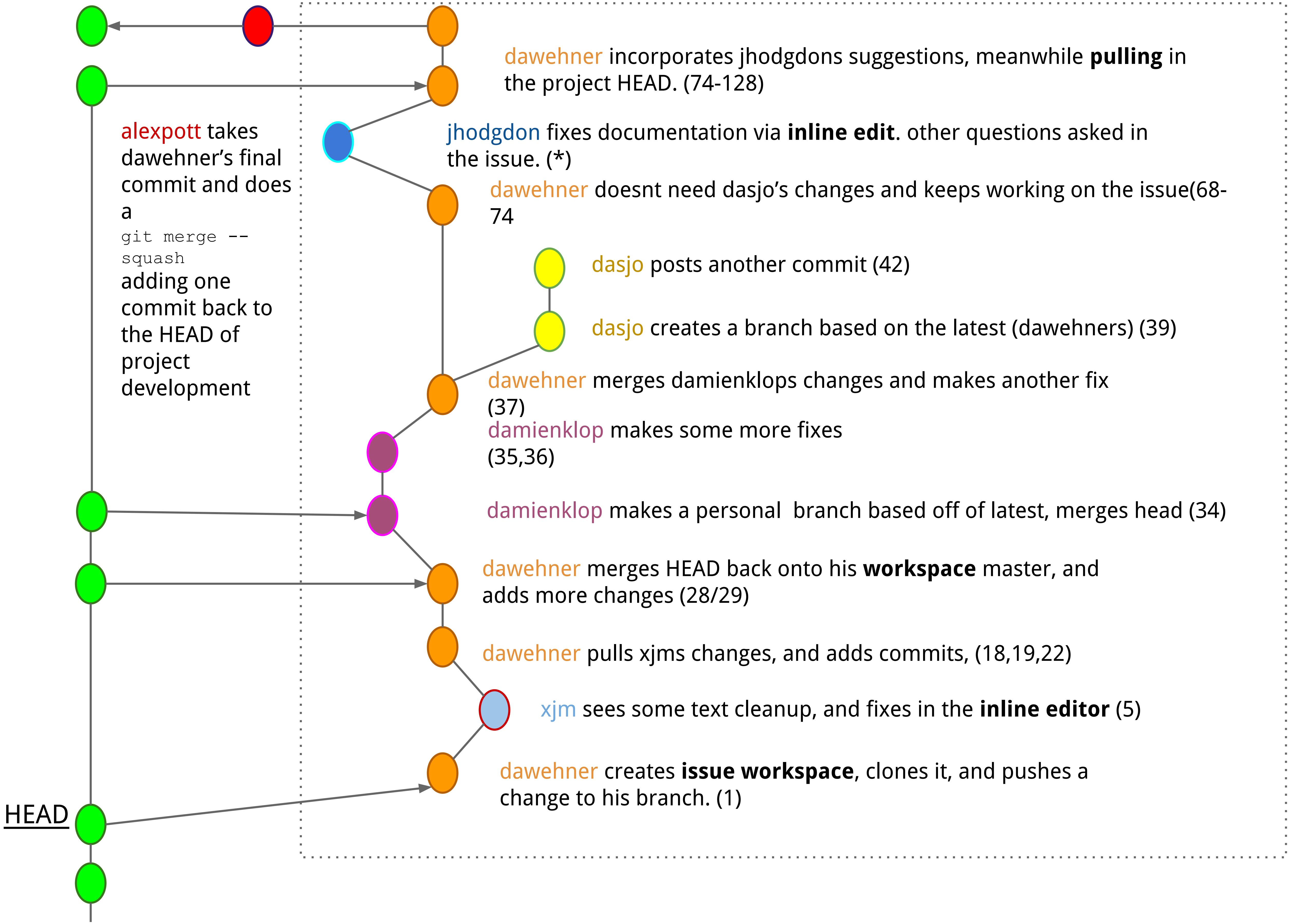
Issue workspaces

Issue Workspaces

- One namespace per issue
- A per-user, per-issue protected branch in the namespace that only that user can push to.
- A branch pointer to the “Latest” so users can easily pull in the most recent change into their own branch.
- Any number of shared branches for those times when advanced users need to hash out several concepts.

Git Based Workflow

- Contributor clones workspace
- Make changes, commit, and push
- Drupal.org issue queue creates comments and notifies issue followers
- User updates issue with additional info (optional)



dawehner incorporates jhodgdons suggestions, meanwhile **pulling** in the project HEAD. (74-128)

jhodgdon fixes documentation via **inline edit**. other questions asked in the issue. (*)

dawehner doesnt need dasjo's changes and keeps working on the issue(68-74

dasjo posts another commit (42)

dasjo creates a branch based on the latest (dawehners) (39)

dawehner merges damienklops changes and makes another fix (37)

damienklop makes some more fixes (35,36)

damienklop makes a personal branch based off of latest, merges head (34)

dawehner merges HEAD back onto his **workspace** master, and adds more changes (28/29)

dawehner pulls xjms changes, and adds commits, (18,19,22)

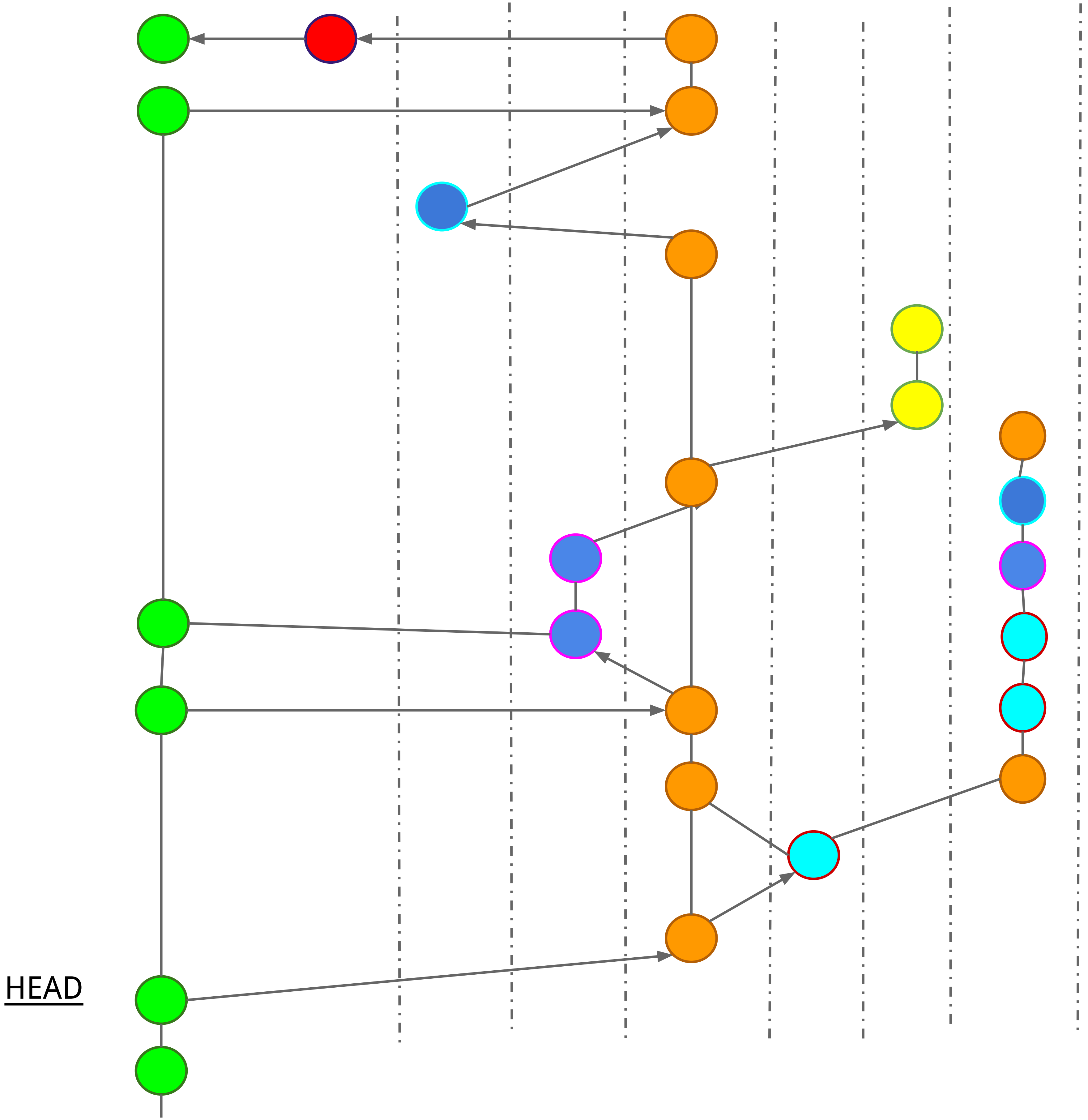
xjm sees some text cleanup, and fixes in the **inline editor** (5)

dawehner creates **issue workspace**, clones it, and pushes a change to his branch. (1)

alexpott takes dawehner's final commit and does a `git merge --squash` adding one commit back to the HEAD of project development

HEAD

Real life example from https://www.drupal.org/node/1740492



Branches

- 🔵 jhodgdon
- 🟡 dasjo
- 🔵 damianklop
- 🔵 xjm
- 🟠 dawehner

dawehner creates issue
workspace, adds a commit

Patch Based Workflow

Minimize Disruption

- Upload/download/apply patchs
- Git changes create patches
- Patch submission creates commits behind the scenes

Inline Editing

Simplifying the complex

- Edit in progress work
- Creates a commit in the workspace after submission
- Not for editing everything (yet)

Code Review

Seeing Change

- Use existing tools
- Intra-change diffs
- Reviews are more granular

Merging Changes Upstream

Moving the Drop

- From the Issue queues for maintainers
- From git with a push

Velocity Acceleration

Adding insight

- Reveals issues conflicts using git
- Reduces need for “disruptive patch windows”
- Commits that break other changes notify immediately
- Needs Review is meaningful.

Next Steps

Making it happen

- Collect Feedback
  https://www.drupal.org/node/2488266
- Implement Backend Changes
- Design and Implement UI elements for Drupal.org
- Beta Test
- Launch

Thank you

Melissa Anderson
eliza411

Sam Boyer
sdboyer

Marco Villegas
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Michael Halstead
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Howard Tyson
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Derek Wright
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WHAT DID YOU THINK?

EVAULATE THIS SESSION - LOSANGELES2015.DRUPAL.ORG/SCHEDULE

THANK YOU!

Backup notes

How it works: deeper backend

This is what the .git/refs directory would look like. The namespaces make it so that if you check out drupal core, the only branches and tags that you see are the default ones – the namespace branches are not visible.

```
refs
├── heads
│   └── 8.0.x
├── namespaces
│   └── issue_1223344
│       └── refs
│           └── heads
│               ├── latest
│               ├── sun
│               ├── webchick
│               └── shared_1223344_space
└── tags
```

Access to the issue namespaces would be simple to the end user:

```
git clone Mixologic@git.drupal.org:
project/drupal/issues/123456.git
```

Becomes, serverside:

```
git --namespace=issue_123456 clone Mixologic@git.drupal.org:
project/drupal.git
```

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```
git clone Mixologic@git.drupal.org:
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```

Becomes, serverside:

```
git --namespace=issue_123456 clone Mixologic@git.drupal.org:
project/drupal.git
```

If a contributor (and especially a maintainer) wants to have multiple issues associated with one checkout of a project (e.g. drupal core) They can add the workspace as a remote instead of cloning the whole workspace. e.g.

```
git remote add issue_123456 Mixologic@git.drupal.org:
project/drupal/issues/123456.git
```

There will be copy to clipboard buttons for both “add as remote” and “clone” on the issue nodes.

This will allow cross issue cherry picking/merging as well as minimal disk space on their local installations.

Sprint: Friday

Get involved with Sprints to contribute to the project and the community

First-Time Sprinter Workshop
9:00am-12:00pm | 406AB

Mentored Core Sprint
9:00am-6:00pm | 403AB

General Sprints
9:00am-6:00pm | 408AB

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