A Workflow for Release Management

Baking awesome into your work

ANDREW BERRY * @deviantintegral * WATERLOO DUG MARCH 2013

Lullabot™

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How do Drupal sites get managed and deployed?

- Install a module from drupal.org
- Click around in the administration screens
- Create some new Fields or Views for the new functionality
- You have a real website that the world can come see!

Success!

Multiple Authors

An Active Community

Static sites are dead sites

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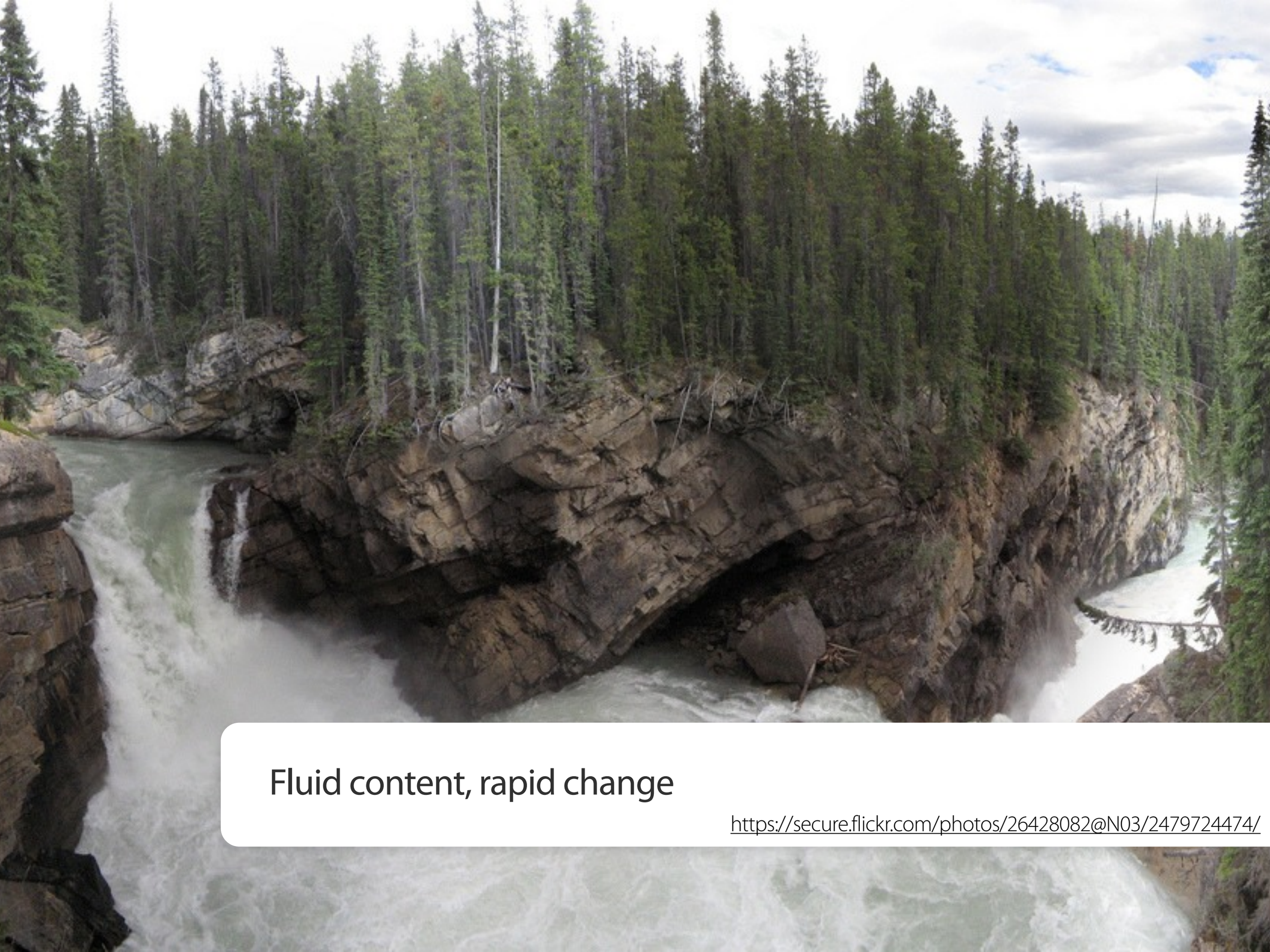

Fluid content, rapid change

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Real Developers Do It In Production

The Catch

- Long updates mean long downtime
- Your laptop is not production
- It’s only a matter of time before something breaks
- Do you really trust yourself? (you shouldn’t)

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Humans suck at deployment

Computers suck less, except when they don't

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Problems and Solutions

Problem 1

Problem 1

One Drupal Site

Multiple Instances

- Instead of having a single Drupal instance, have multiple copies of the site for different purposes
- Minimum of 3 instances
- Maximum of N instances

Problem 2

Problem 2

Getting Code from A to B

Version Control Systems (VCS)

- Automates sharing of code between people and computers
- A history of your site
- Git, SVN (ewww)
- Avoids problems with FTP and manually keeping track of files that change

Problem 3

Problem 3

Configuration and Content

Configuration

- Put your configuration in code
- Limit the work you have to do when you push to production
- Features
- hook_update_N
- settings.php / settings.inc

Problem ∞

Problem ∞ Documentation

Project Management Software

- A combination of
  - Tickets
  - VCS
  - Documentation
- A must for teams, and a good idea for solo work
- GitHub, Unfuddle, JIRA, many more

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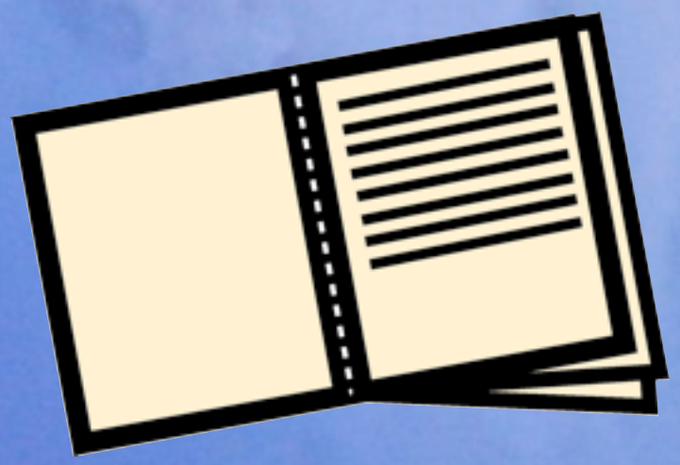

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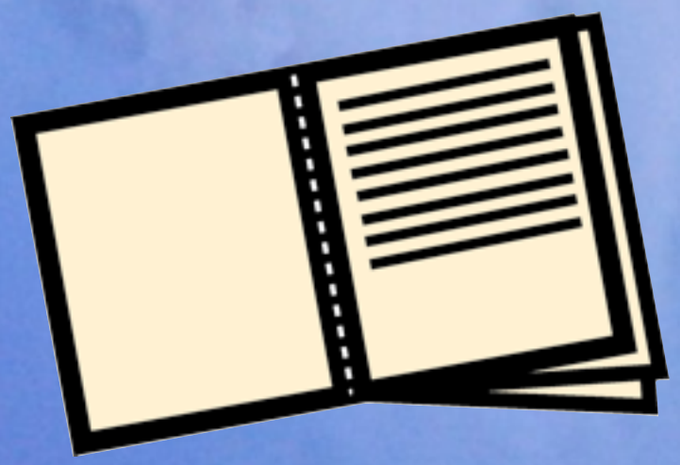

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A Step By Step Example

A Step By Step Example

Show Today's Top 5 Posts

Step 1: File a ticket

- Document what you want to change
- Why you want to change it
- How you'll know when the change is finished
- How you'll know when the change has been tested and does what you expect

```
drupal7/ andrew$ drush dl -y features features_extra ctools st
ity views
eatures (7.x-1.0-beta4) downloaded to                              [s
al7/sites/all/modules/features.
no recommended release for project features_extra.
e of the available releases:
Cancel
7.x-1.x-dev  -  2011-Jun-19  -  Supported, Development

eatures_extra (7.x-1.x-dev) downloaded to                          [s
al7/sites/all/modules/features_extra.
eatures_extra contains 3 modules: fe_block, fe_nodequeue, fe_
tools (7.x-1.0-rc1) downloaded to                                  [s
al7/sites/all/modules/ctools.
tools contains 9 modules: views_content, stylizer, page_manage
xample, ctools_custom_content, ctools_ajax_sample, ctools_acce
xport, ctools.
trongarm (7.x-2.0-beta4) downloaded to                             [s
al7/sites/a
adioactivit
al7/sites/a
iews (7.x-3.0-rc1) downloaded to                                   [s
al7/sites/all/modules/views.
iews contains 2 modules: views, views_ui.
```

Step 2: Start working on localhost

Step 3: Download the modules

- In this case, we're starting from a stock Drupal 7 site
- Radioactivity, Features, Features Extra, Views
  - Strongarm
  - ctools
- Devel to generate some content

Step 4: Configure!

- Configure variables, views, or fields as needed
- Use “drush features-update” and other commands to export those changes into code
- You’ll know you’re done when you can pull down production and update

Saved *Popularity* configuration.

LABEL	NAME	FIELD	WIDGET
Title	title	Node module element	
Body	body	Long text and summary	Text area with a summary
Tags	field_tags	Term reference	Autocomplete term widget (tagging)
Image	field_image	Image	Image
Popularity	field_popularity	Radioactivity	Basic text field to edit radioactivity

Add new field

Label	Field name (a-z, 0-9, _)	Type of data to store.	Form element to edit the data.
	field_	- Select a field type -	- Select a widget -

Save

Adding Fields

Antehabeo facilisis occuro patria qui. Acsi autem capto eu gravis in metuo utinam. Abb

commit

TITLE

Title: top_five_stories

FORMAT

Format: HTML list | Settings

Show: Fields | Settings

FIELDS add

Content: Title

FILTER CRITERIA add

Content: Published (Yes)

SORT CRITERIA add

Content: Popularity:radioactivity_energy (desc)

BLOCK SETTINGS

Block name: None

Access: Permission |
View published content

HEADER add

FOOTER add

PAGER

Use pager: Full | Paged, 5 items

More link: No

Setting up Views

commit

Popular Content

Example: Image gallery

Machine-readable name *

mysite_popular_content

Example: image_gallery
May only contain lowercase letters, numbers and underscores. **Try to avoid conflicts with the names of existing Drupal projects.**

Edit components

Radioactivity: radioactivity_decay_profile

top_five_stories

CTOOLS EXPORT API
radioactivity:radioactivity_decay_profile:1
RADIOACTIVITY
top_five_stories

Normal | Auto-detected | Provided by dependency

Exporting changes, one at a time

COMMIT

Subject

top-nodes-block Ticket #123: Fix block title.
Ticket #123: Export Top Five Stories block settings.
Ticket #123: Export Top Five Stories view.
Ticket #123: Export Page content type.
Ticket #123: Export Article content type.
Ticket #123: Initial export of Popular Content feature containing radioactivity profile.
Ticket #123: Importing Radioactivity 7.x-2.0-beta2.
Ticket #123: Importing Features Extra 7.x-1.x-dev.
Ticket #123: Importing Features 7.x-1.x-dev.
Ticket #123: Importing Strongarm 7.x-2.x-dev.
Ticket #123: Importing ctools 7.x-1.x-dev.
Ticket #123: Importing Views 7.x-3.0-rc1

Simple, granular commits

Step 5: Internal QA

- Merge to your development branch
- This is where your dev environment comes in
- Do internal QA, meaning you and your team
- A chance to test what it will be like on production without showing stakeholders yet

Step 6: External QA

- Resolve your ticket (but don't close it)
- Merge to your staging branch
- Use your staging server for QA by stakeholders
- This code should be production-ready

Step 7: Close the Ticket

- All of the conditions you initially documented should be met and verified by your stakeholders
- In some cases, all of the previous roles could be you!

Merge and Deploy to Production!

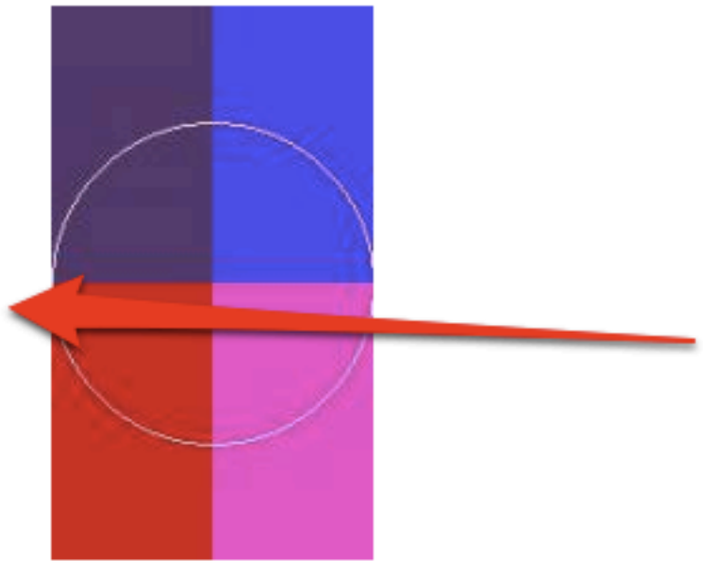
Top Five Stories

- At Commodo Esca Os Premo
- Commodo Ea Gemino Melior Pagus Saepius
- Genitus Loquor Lucidus Quidem
- Illum Obruo
- Saluto Utinam

1 2 3 4 5 6 7
8 9 next › last »

Facilisis Lucidus Paratus Quis Refero Velit

Submitted by admin on Sat, 11/12/2011 - 10:12



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Easy?

Iz Hyden Frum Ur

Unexportable Configurayshun

A Smattering of #fail

#fail 1

#fail 1

Playing Fast and Loose with Production

#fail 2

#fail 2

Hitchhikers

#fail 3

#fail 3

Stale Databases

#fail 4

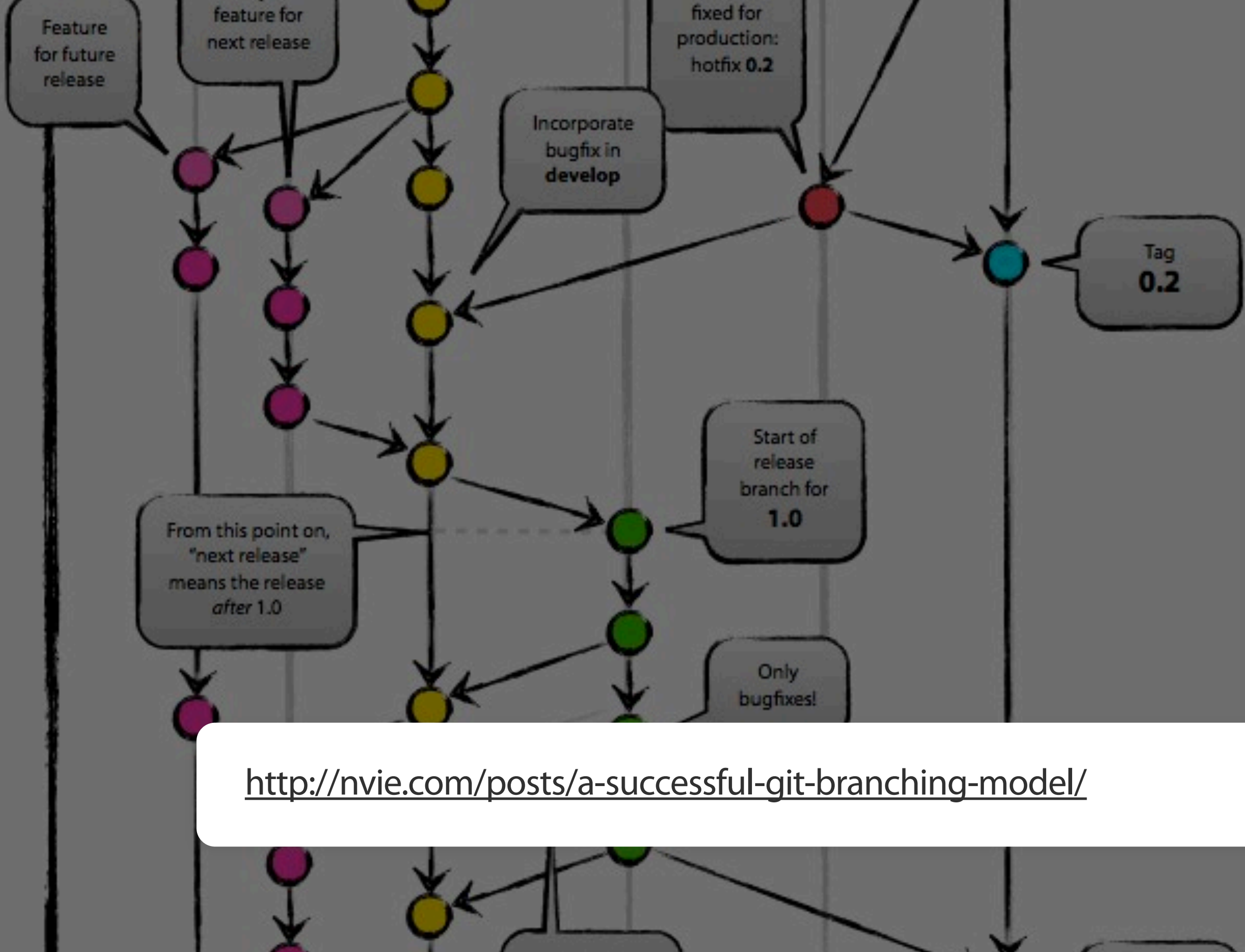
#fail 4

Unexportable Configuration

#fail 5

#fail 5

Feature Conflicts



http://nvie.com/posts/a-successful-git-branching-model/

Firehose