

Contributing within OCA projects

Alexandre Fayolle



camptocamp[®]

INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS

Introductions

- Alexandre Fayolle aka @gurneyalex (twitter, GitHub) aka agurney (irc, Bitbucket)
- OCA : OpenERP / Odoo Community Association
 - <http://odoo-community-association.org/>

2014-06-04



OCA goals

- Help and promote the collaborative software development of Odoo;
- Encourage the development of Odoo and its features while coordinating and organizing the collaborative work on the software;
- Assist the community while defending its interests and the sustainability of its developments;
- Promote the use of the Odoo solution;
- Facilitate synergies, collaborations and fund raising efforts;
- Actively collaborate on the definition of the road maps of new versions of the tool and their implementation.

2014-06-04



OCA Projects : addons and teams

- Projects are organized around special interest teams
- Currently 48 teams on launchpad
 - Reduction / simplification under discussion as part of GitHub migration
- Likely migration plan: use GitHub for v8 and later, keep launchpad for v7 and earlier
 - Maybe a readonly mirror of v7 branches on GitHub

2014-06-04



OCA Topics (1/2)

- Addons families:
 - Accounting, Banking, Human Resource, E-commerce, Finance, Manufacturing, CRM & Sales, Logistics, Purchases, Product, Projects & Services...
- Verticalization teams:
 - Hotel, Medical, ISP, Construction...
- Integration teams:
 - Sage, LIMS...

2014-06-04



OCA Topics (2/2)

- Server side tools
 - Reporting tools, environment-based configurations...
- Web client extensions
 - Widgets, default sorting...
- Community Backports (OCB)

2014-06-04



OCB: Odoo Community Backports

- Specific version of Odoo where bug fixes pending merge by the editor tend to get merged faster
- On Launchpad, 3 projects
 - ocb-server, ocb-addons, ocb-web
 - Support for 6.1 and 7.0
- On GitHub: not there yet (nothing to backport!)

2014-06-04



Contributing

- Bug reports
- Bug fixes
- New features
- Reviews of MP (and PR)
 - Code reviews
 - Manual testing
 - Functional reviews

2014-06-04



Launchpad and bazaar tips (1/3)

Use `bzr init-repo <projectname>`

- Repositories share information between the branches which are created inside
- Fast branching
- Lower disk consumption
- With a symlink, you can have a poor man's in place branch switch
- You can have branches from different (remote) projects in the same local repository → useful when working on OCB

2014-06-04



Launchpad and bazaar tips (2/3)

Never use bound branches

Never use `bzr checkout`

- These will push your changes to the source as soon as you commit

2014-06-04



Launchpad and bazaar tips (3/3)

Use `bzr commit --fixes lp:bugnumber`

- Automatic linking of branch to bug report when code is pushed to launchpad



Workflow: setup environment to work on an OCA project

```
export project=account-invoicing  
bzd init-repo ${project}  
cd ${project}  
bzd branch lp:${project}/7.0
```

2014-06-04



Workflow: proposing a bugfix

Assuming my launchpad account is “afe” and the bug is #123456

```
export project=account-invoicing
cd ${project}
bzip branch 7.0 7.0-123456-afe
# fix the bug, run tests
bzip commit --fixes lp:123456 \
    -m “[FIX] explain the fix”
bzip push lp:~afe/${project}/7.0-123456-afe

# open branch in web browser
bzip lp-open lp:~afe/${project}/7.0-123456-afe

# submit MP using the web interface
# describe what the change does please
```

2014-06-04





OpenERP Sales - Workflow and Organization

Alexandre Fayolle - camptocamp (alex)

[Overview](#) **[Code](#)** [Bugs](#) [Blueprints](#) [Translations](#) [Answers](#)

lp:~camptocamp/sale-wkfl/mix_ptype_merge-rde

[Sales - Workflow and Organization](#) » [Code](#) » [mix_ptype_merge-rde](#)

Created by [Romain Deheele](#) - Camptocamp on 2014-05-20 and last modified on 2014-05-20

Get this branch:

```
bzr branch lp:~camptocamp/sale-wkfl/mix_ptype_merge-rde
```

Update this branch:

```
bzr push lp:~camptocamp/sale-wkfl/mix_ptype_merge-rde
```

[Browse the code](#)

Branch merges

[Propose for merging](#)



Pub

Ever

infor



S

S



C



S

S

Sut



C





OpenERP Sales - Workflow and Organization

Overview **Code** Bugs Blueprints Translations Answers

Propose branch for merging

Sales - Workflow and Organization » Code » 7.0-dropshipping-merge-po-lep » **Propose branch for merging**

Target Branch:

☒ lp:sale-wkfl ([branch details](#)) - *development focus*

☐ Other: ([Choose...](#))

The branch that the source branch will be merged into.

Description of the Change: (Optional)

this MP depends on
<https://code.launchpad.net/~camptocamp/purchase-wkfl/7.0-merge-po-hooks-1ep/+merge/216745>
It uses the new Purchase Order hooks to create the stock moves correctly in dropshipping context

Describe what changes your branch introduces, what bugs it fixes, or what features it implements.
Ideally include rationale and how to test.

[edit](#)

Reviewer: (Optional)

([Choose...](#))

A person who you want to review this.

Review type: (Optional)

Lowercase keywords describing the type of review you would like to be performed.

[▶ Extra options](#)

2014-06-04

camptocamp [Propose Merge](#) or [Cancel](#)

www.camptocamp.com/ 2014-06-04

15/24





OpenERP Sales - Workflow and Organization

Alexandre Fayolle - camptocamp (alexandre-fayolle-c2c) • Log Out

Overview **Code** Bugs Blueprints Translations Answers

Merge lp:~camptocamp/sale-wkfl/7.0-dropshipping-merge-po-lep into lp:sale-wkfl

Sales - Workflow and Organization » Code » 7.0-dropshipping-merge-po-lep » Merge into 7.0

Proposed by Leonardo Pistone - camptocamp on 2014-04-22

Status: Needs review

Proposed branch: lp:~camptocamp/sale-wkfl/7.0-dropshipping-merge-po-lep

Merge into: lp:sale-wkfl

Diff against target: 102 lines (+73/-0) 4 files modified

To merge this branch: bzt merge lp:~camptocamp/sale-wkfl/7.0-dropshipping-merge-po-lep

Reviewer	Review Type	Date Requested	Status
Alexandre Fayolle - camptocamp	code review, no test	2014-04-22	Approve on 2014-05-06
Romain Deheele - Camptocamp (community)	code review, no test		Approve on 2014-04-24

Review via email: mp+216756@code.launchpad.net

Request another review

- Set commit message
- Set description
- Add a review or comment

- Resubmit proposal
- Delete proposal to merge

Subscribers

People subscribed via source and target branches

- to all changes:
- Camptocamp
- Jan-Philipp Fischer
- Sale Core Editors
- diassynthesis



Workflow: proposing a fix to OCB

- OCB MP follow almost the same workflow as OCA Addons
 - Bug report is mandatory
 - Fix must be proposed on both official and OCB branch
 - Technical limitation forces to make 2 separate branches, and 2 separate MP
- My way:
 - I create 3 repositories: server, addons and web
 - Inside each I branch the official stable branch and the ocb branch
 - I get from lp (or I create) the bugfix branch
 - I create an ocb branch for the fix and cherry pick the fix from the official branch using `bzr merge`

2014-06-04



Workflow: OCB work environment setup

```
bzr init-repo server  
cd server  
bzr branch lp:openobject-server/7.0  
bzr branch lp:ocb-server/7.0 ocb-7.0  
# repeat for addons and web
```

2014-06-04



Workflow: Proposing a fix to OCB

```
cd server
bzm branch 7.0 7.0-fix_123456-afe
cd 7.0-fix_123456-afe
# fix, commit, TEST, push, propose for merge as before
cd ..

# port the fix to OCB branch
bzm branch ocb-7.0 ocb-7.0-fix_123456-afe
cd ocb-7.0-fix_123456-afe
# cherry pick fix from official branch
bzm merge -r rev1..rev2 ../7.0-fix_123456-afe
bzm commit --author orig_author --fixes lp:123456

# TEST, push, propose for merge as before.
# you should point to official MP in the OCB MP
```

2014-06-04



Git migration

- Very new, not everything is decided
 - Stay tuned on the mailing list, read the archives
 - No established ways of working for now with GitHub (reviews, PR handling...)
 - We will reuse an existing widely used process
- Be sure to read
 - <https://github.com/odoo/odoo/blob/master/doc/git.rst>
 - <http://ndpsoftware.com/git-cheatsheet.html>

2014-06-04



Communication channels

- Mailing list
 - currently <https://launchpad.net/~openerp-community>
- IRC
 - Friday is “MP Day” on #openobject (freenode.net)
- Twitter
 - @OdooCommunity

2014-06-04



Other OCA related events during community days

- The Future of Odoo Community Association
 - June 4, 2014 at 17h
- General Assembly
 - June 5, 2014 at 17h50

2014-06-04



Time for Q&A!



2014-06-04

campto**camp**

www.camptocamp.com / 2014-06-04

23/24



to camp 

camp **to** camp

INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS