

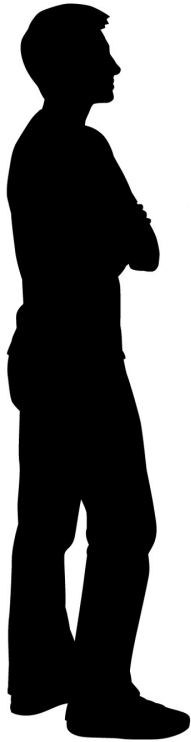
# Opening the doors of eZ development

by Owen Fraser-Green

# Development on eZ Publish today is an eZ Systems-only activity

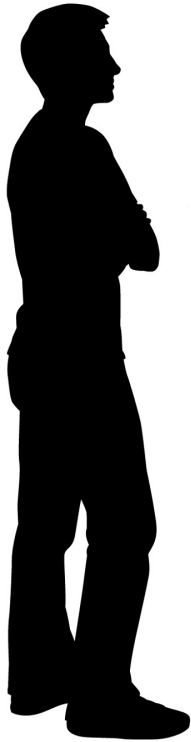


# You want to change things



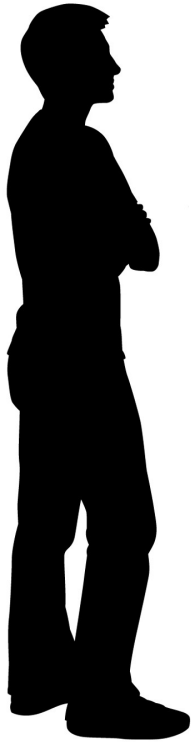
eZ Publish™

# How do you contribute?

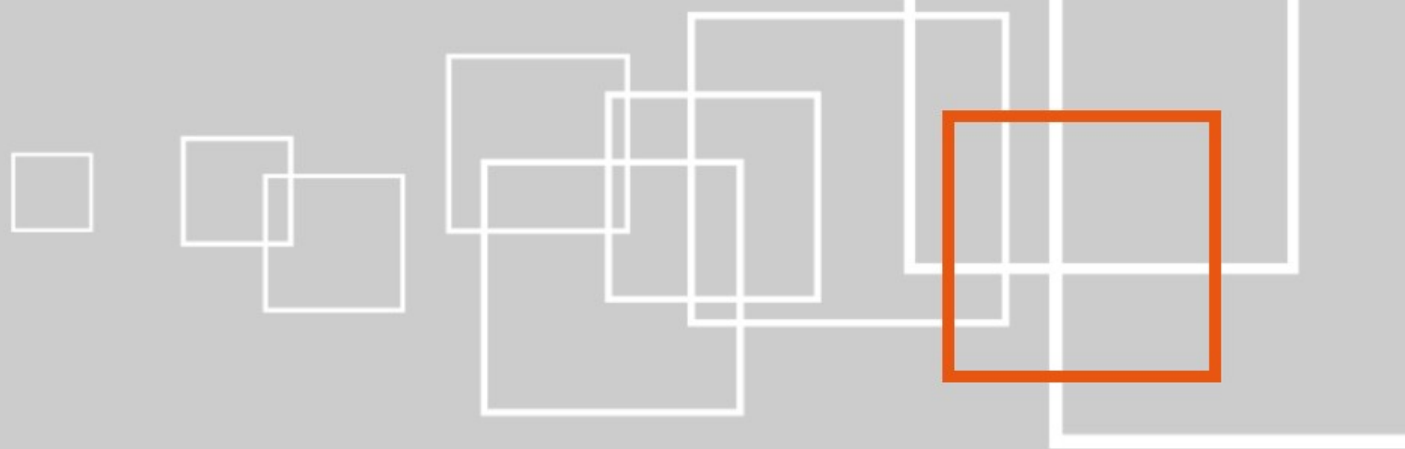


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# It should be easy to improve eZ Publish

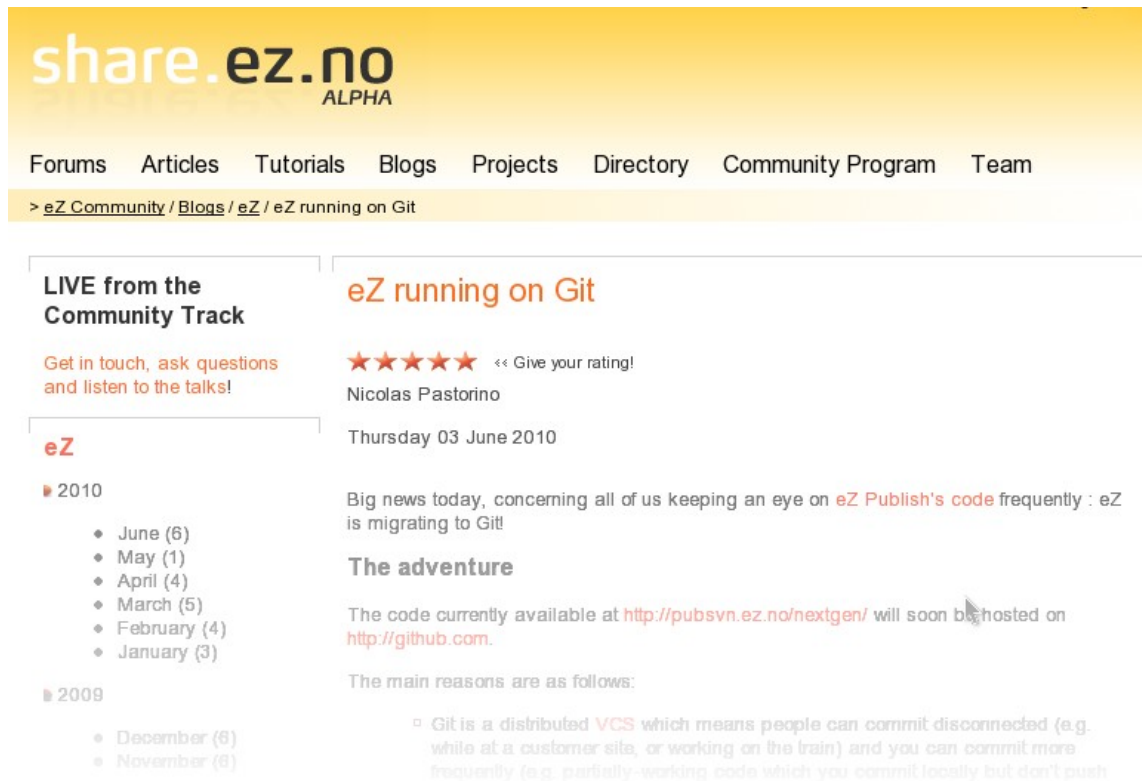


eZ Publish™



See the changes we're making to our  
development model

# We've switched to GitHub to make it easier to contribute



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> eZ Community / Blogs / eZ / eZ running on Git

### LIVE from the Community Track

Get in touch, ask questions and listen to the talks!

### eZ

- 2010
  - June (6)
  - May (1)
  - April (4)
  - March (5)
  - February (4)
  - January (3)
- 2009
  - December (6)
  - November (9)

### eZ running on Git

★★★★★ << Give your rating!

Nicolas Pastorino

Thursday 03 June 2010

Big news today, concerning all of us keeping an eye on **eZ Publish's code** frequently : eZ is migrating to Git!

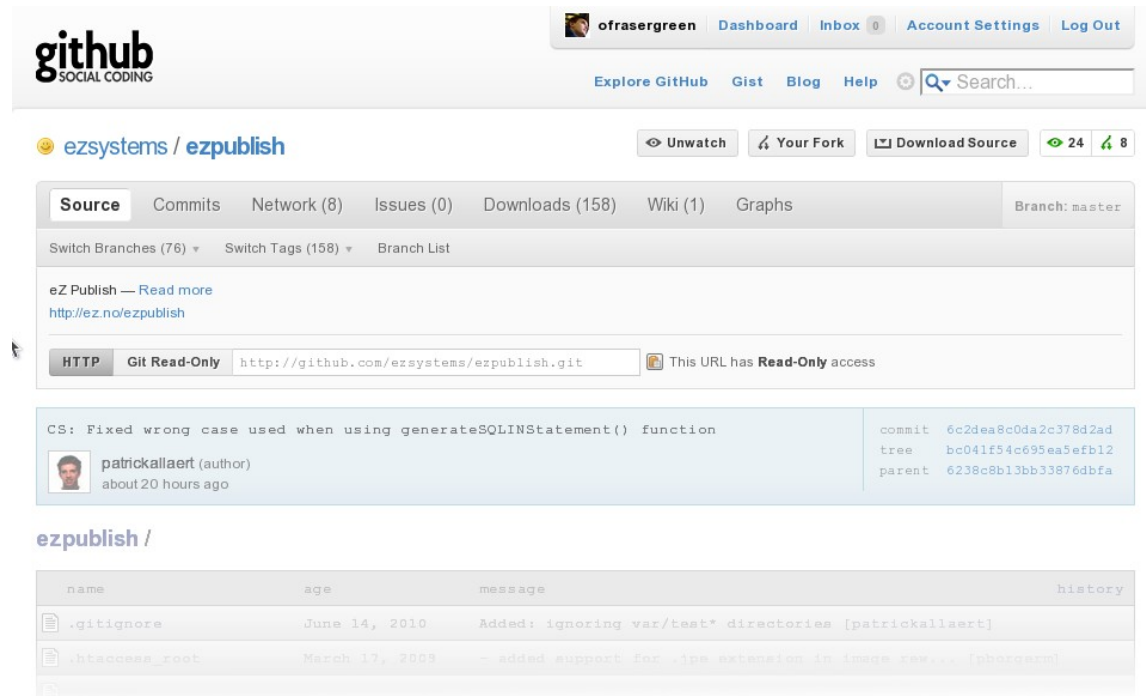
#### The adventure

The code currently available at <http://pubsvn.ez.no/nextgen/> will soon be hosted on <http://github.com>.

The main reasons are as follows:

- Git is a distributed VCS which means people can commit disconnected (e.g. while at a customer site, or working on the train) and you can commit more frequently (e.g. partially-working code which you commit locally but don't push

# We've switched to GitHub to make it easier to contribute



The screenshot shows the GitHub interface for the repository `ezsystems / ezpublish`. At the top, the GitHub logo and user navigation links are visible. The repository name is followed by buttons for `Unwatch`, `Your Fork`, and `Download Source`, along with statistics for 24 forks and 8 clones. Below this, there are tabs for `Source`, `Commits`, `Network (8)`, `Issues (0)`, `Downloads (158)`, `Wiki (1)`, and `Graphs`. The `Source` tab is active, showing the repository's description: `eZ Publish — Read more` with the URL `http://ez.no/ezpublish`. Below the description, there are buttons for `HTTP` and `Git Read-Only`, with the Git URL `http://github.com/ezsystems/ezpublish.git`. A commit by `patrickallaert` is highlighted, with the message: `CS: Fixed wrong case used when using generateSQLINStatement() function`. The commit details show the commit hash `6c2dea8c0da2c378d2ad`, the tree hash `bc041f54c695ea5efb12`, and the parent hash `6238c8b13bb33876dbfa`. At the bottom, a commit history table is shown with columns for `name`, `age`, `message`, and `history`.

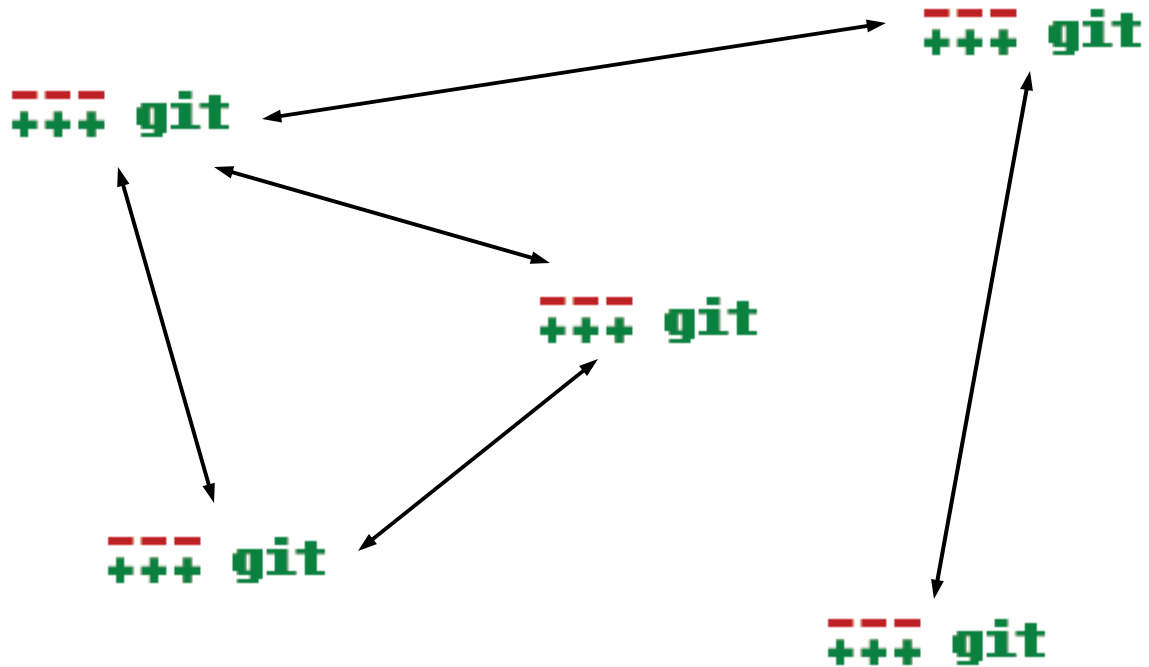
name	age	message	history
<code>.gitignore</code>	June 14, 2010	Added: ignoring var/test* directories [patrickallaert]	
<code>.htaccess_root</code>	March 17, 2009	- added support for .inc extension in image raw... [nborgerm]	



# Git is better

--- git  
+++

# Distributed by nature



# Offline usage



# Branching is cheap



# See Git in action



# Cloning eZ Publish

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Source Commits Network (8) Issues (0) Downloads (158) Wiki (1) Graphs Branch: master

Switch Branches (76) Switch Tags (158) Branch List

eZ Publish — Read more  
<http://ez.no/ezpublish>

HTTP Git Read-Only  This URL has Read-Only access

CS: Fixed wrong case used when using generateSQLINStatement() function

patrickallaert (author) about 20 hours ago

commit 6c2dea8c0da2c378d2ad  
tree bc041f54c695ea5efb12  
parent 6238c8b13bb33876dbfa

ezpublish /

name	age	message	history
.gitignore	June 14, 2010	Added: ignoring var/test* directories [patrickallaert]	
htaccess_root	March 17, 2009	- added support for .ips extension in image rew... [phorqem]	

# Cloning eZ Publish



# Cloning eZ Publish

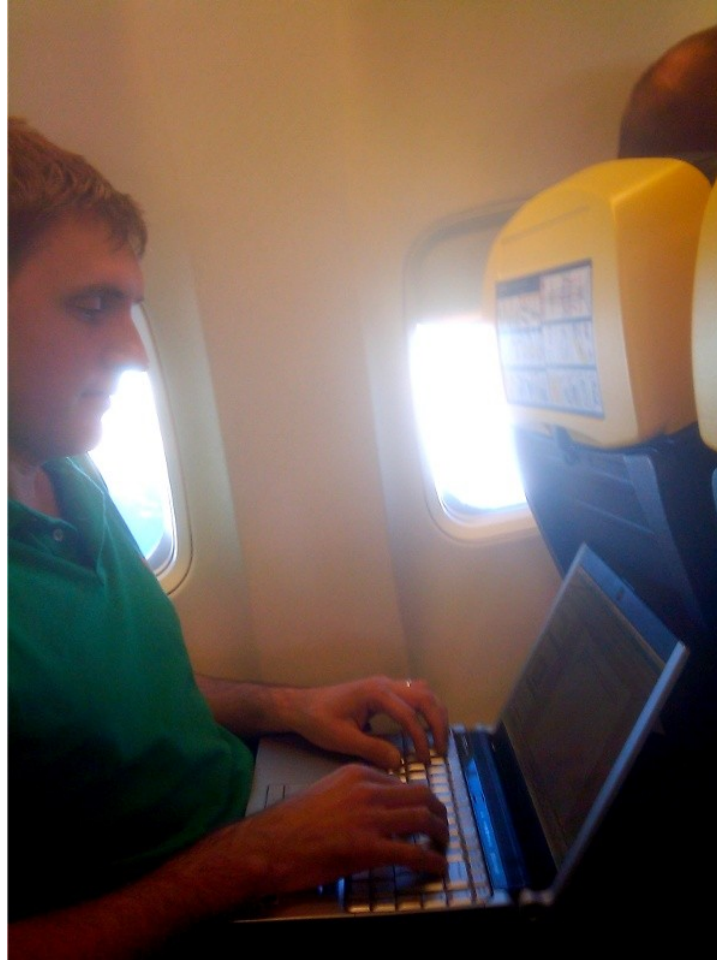
```
$ git clone http://github.com/eZsystems/ezpublish.git
Initialized empty Git repository in /scratch/tmp/ezpublish/.git/
remote: Counting objects: 280931, done.
remote: Compressing objects: 100% (52494/52494), done.
remote: Total 280931 (delta 212307), reused 280023 (delta 211454)
Receiving objects: 100% (280931/280931), 78.56 MiB | 3.29 MiB/s, done.
Resolving deltas: 100% (212307/212307), done.
$
```



# Committing

```
$ cat > README.txt
All your base are belong to us!
$
$ git commit -a -m "Test"
[master 6b9e2a0] Test
1 files changed, 1 insertions(+), 72 deletions(-)
rewrite README.txt (100%)
$
```

# Committing



# Visualizing branches

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ezsystems / eZpublish

Unwatch Your Fork Download Source 24 8

Source Commits **Network (8)** Issues (0) Downloads (158) Wiki (1) Graphs Branch: master

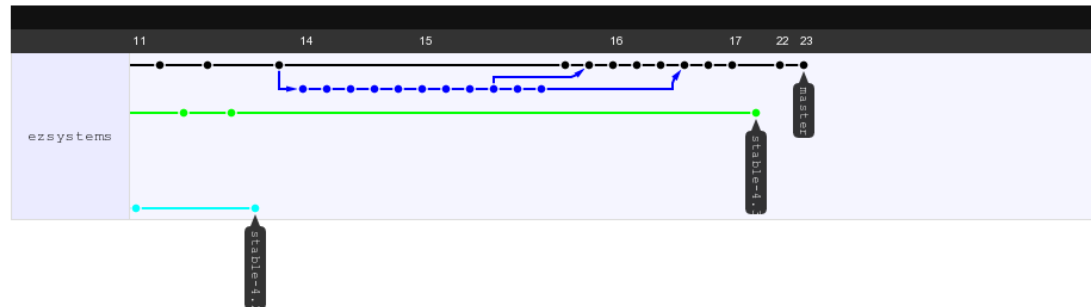
Graph Members Feed

## The eZpublish network graph

All branches in the network using ezsystems/eZpublish as the reference point. [Read our blog post about how it works.](#)

Show Help

Last updated: 42 minutes ago



# Visualizing branches

The screenshot shows a Git GUI window titled "gitk: eZpublish". The main area displays a commit history graph with a vertical axis of commits. The top commit is highlighted in green and labeled "master Test". Below it, a commit is labeled "remotes/origin/master" with a description: "- Updated: Configured branch for next release". The graph shows a sequence of commits, including a merge of "bug16903" and several updates to the "master" branch.

On the right side, a commit log table is visible, listing the author, email, and date for each commit:

Author	Date
Owen Fraser-Green <owen@ralph.fraser-green.com>	2010-06-21 15:48
Ole Marius Smestad <smestad@gn...>	2010-06-17 15:15:47
Patrick Allaert <pa@ez.no>	2010-06-16 18:37:12
Patrick Allaert <pa@ez.no>	2010-06-16 17:57:27
Patrick Allaert <pa@ez.no>	2010-06-15 11:04:33
Patrick Allaert <pa@ez.no>	2010-06-15 11:01:31
Christian Pfeffer Gjengedal <cp@...>	2010-06-16 15:25:59
André Rømcke <ar@ez.no>	2010-06-16 11:15:15
Christian Pfeffer Gjengedal <cp@...>	2010-06-16 09:52:22
Christian Pfeffer Gjengedal <cp@...>	2010-06-15 17:12:53
Patrick Allaert <pa@ez.no>	2010-06-15 10:37:08

Below the graph, the "SHA1 ID" is shown as "6b3e2a0ae0fd4ccb3f46e2e1034983333e587f22". The "Find" section includes buttons for "next", "prev", and "commit", and a search box. The "Diff" section shows the commit message and metadata:

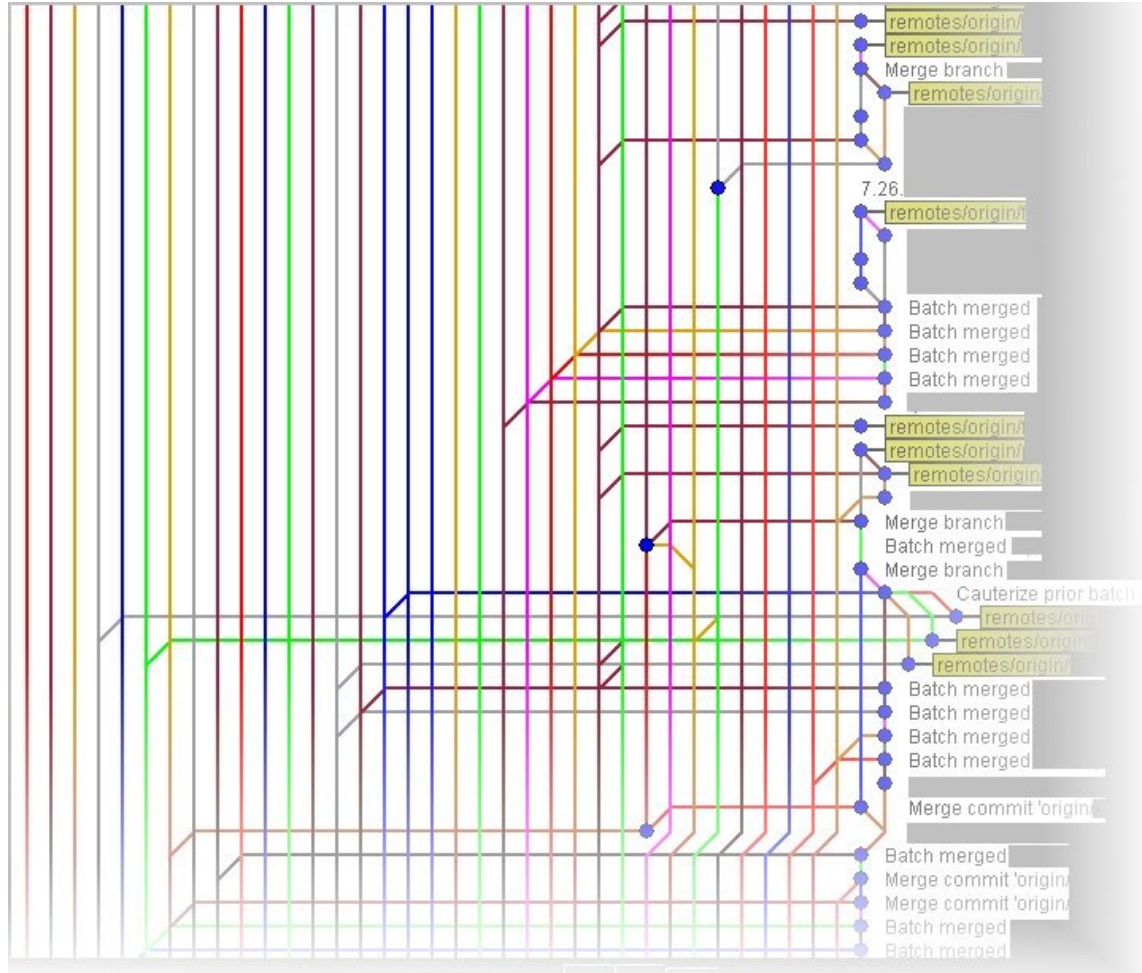
```
Author: Owen Fraser-Green <owen@ralph.fraser-green.com> 2010-06-21 15:48
Committer: Owen Fraser-Green <owen@ralph.fraser-green.com> 2010-06-21 15:48
Parent: 6238c8b13bb33876dbfa1947db7d47ae20f1557e (- Updated: Configur
Branch: master
Follows:
Precedes:

Test
```

The "Patch" section shows the diff for "README.txt":

```
@@ -1,72 +1 @@
-eZ Publish 4 README
-
-What is eZ Publish?
```

# Visualizing branches



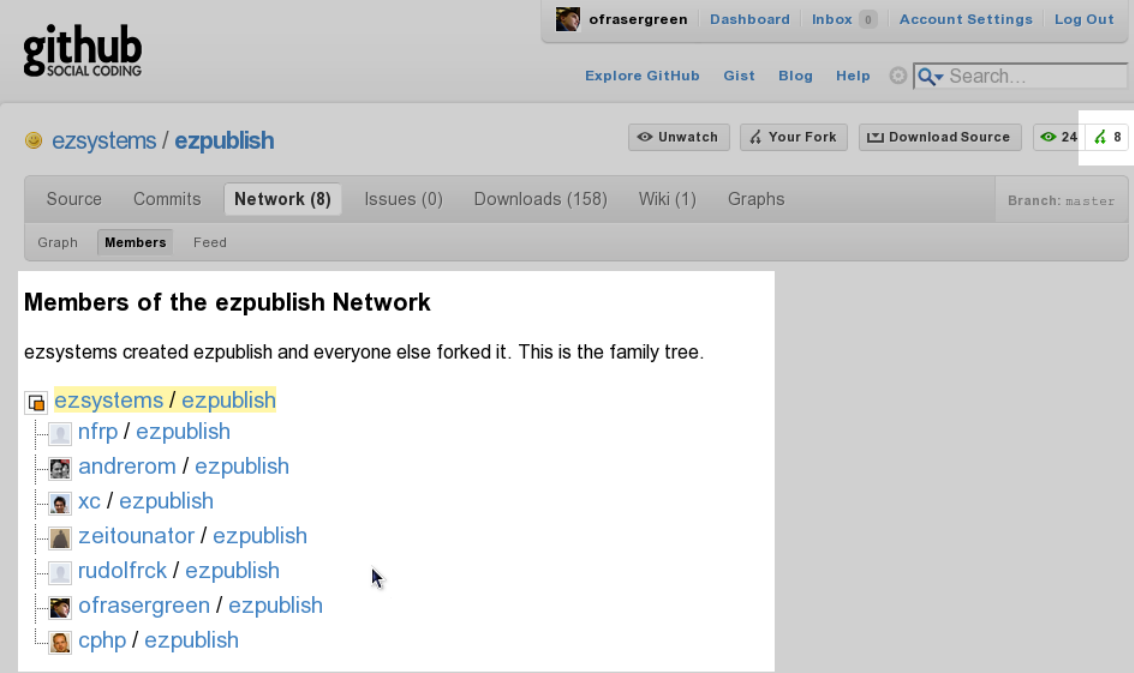
# GitHub manages forks

The screenshot shows a GitHub repository page for a user named 'ofrasergreen'. The repository is named 'ezpublish' and is a fork of 'ezsystems/ezpublish'. The page displays the repository's default branch as 'empty!' and provides options to 'Admin', 'Unwatch', and view '1' star and '7' forks. Below the repository name, there are tabs for 'Source', 'Commits', 'Network (7)', 'Fork Queue', 'Downloads (0)', 'Wiki (1)', and 'Graphs'. The 'Source' tab is selected, showing the repository's URL and a 'Git Read-Only' button. A progress bar is visible, indicating a 'Hardcore Forking Action' in progress. The progress bar is a horizontal bar with a blue segment on the left and a grey segment on the right. Below the progress bar, the text reads: 'We're forking a repository just for you. It should only take a few seconds. Refresh at will'.

# Forks are evil, right?



# Hosted forks



The screenshot shows the GitHub interface for the repository `ezsystems / ezpublish`. The user `ofrasergreen` is logged in. The repository has 24 stars and 8 forks. The `Network (8)` tab is selected, displaying a family tree of forks. The text explains that `ezsystems` created `ezpublish` and others forked it. The list of forks includes:

- `ezsystems / ezpublish`
- `nfrp / ezpublish`
- `andrerom / ezpublish`
- `xc / ezpublish`
- `zeitounator / ezpublish`
- `rudolfrck / ezpublish`
- `ofrasergreen / ezpublish`
- `cphp / ezpublish`



# Hosted forks

The screenshot shows the GitHub interface for a repository named 'ofrasergreen / eZpublish', which is a fork of 'ezsystems/eZpublish'. A modal dialog titled 'Send a Pull Request' is open, showing the repository name and branch ('ofrasergreen / eZpublish @ master'). The dialog includes a 'Message' text area, an 'Add a recipient' input field with an 'Add' button, and a 'Select Recipients' list with checkboxes for 'andrerom', 'bdunogier', 'cgjengedal', 'ezsystems', 'glye', 'Iserwatka', and 'nfrp'. A 'Send Pull Request' button is at the bottom of the dialog. The background shows the repository's source code, commit history, and file list.

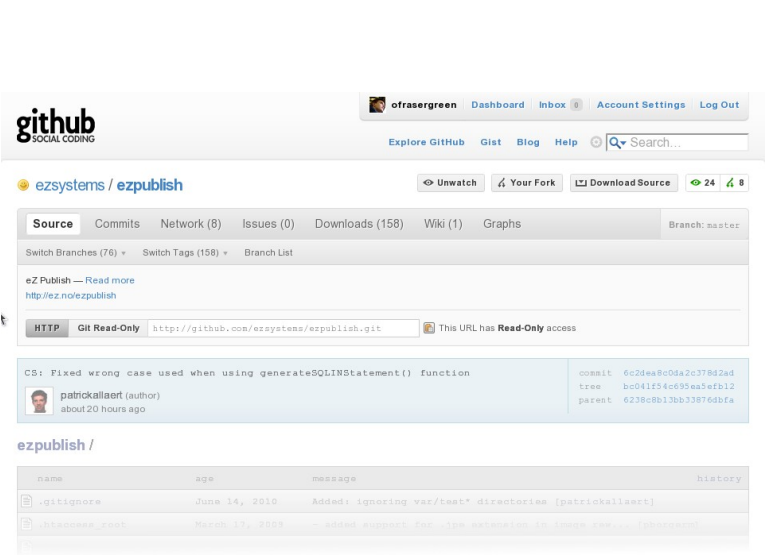
# Improve eZ Publish by forking



# We're launching eZ Publish Community Edition

eZ Publish™  
*Community Edition*

# GitHub eZ Publish will become Community Edition



Everything that's public today will  
continue to be so

eZ Publish™  
*Community Edition*

# Community Edition wants **your** patches



# Nearly all code we develop will be in Community Edition



eZ Publish™  
*Community Edition*

# So why have two?

eZ Publish™  
*Community Edition*

VS

eZ Publish™  
*Enterprise Edition*



# Cutting edge vs Stability



VS



# Cherry picking, QA and Support



# “Enterprise features”



# Community Edition is everybody's baby!

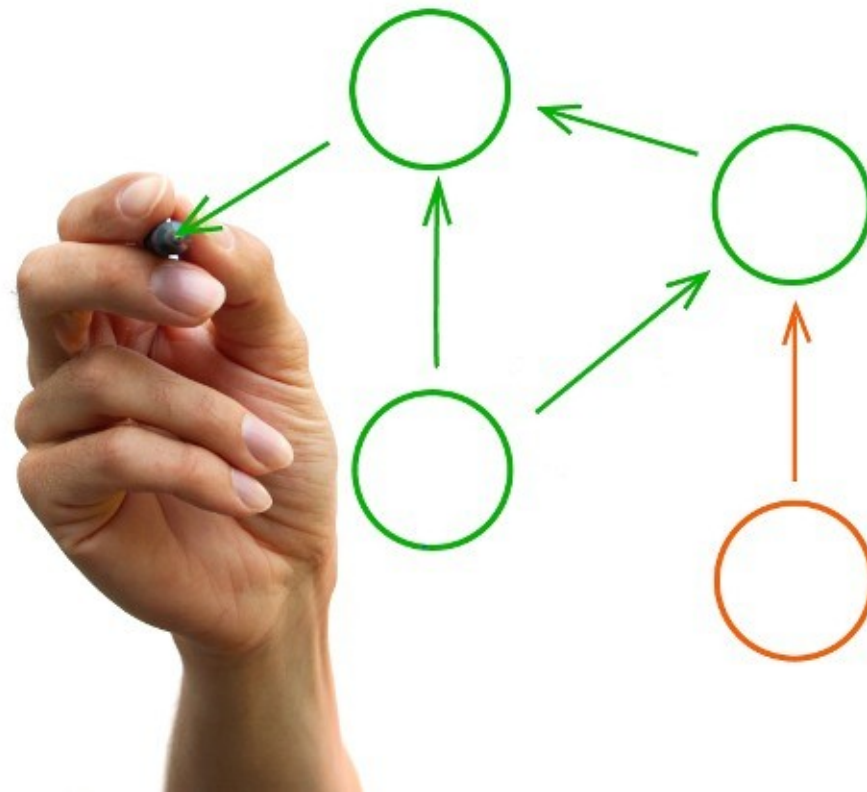
eZ Publish™  
*Community Edition*



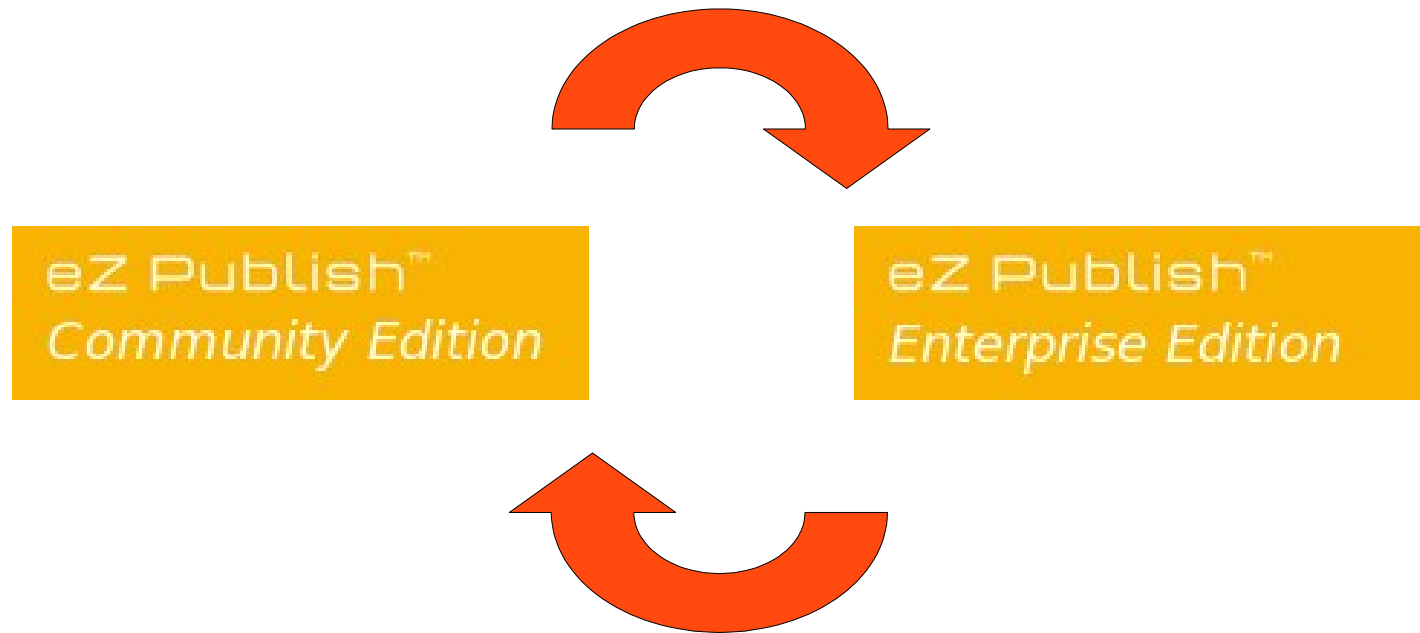
# Steering committee to lead Community Edition



# Deciding the process



# Community influences Enterprise influences Community









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