

# Message in a Bottle

## Git Commit Messages



40th Meeting of the PHP Usergroup Rheinhessen  
(PHPUGRHH)

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# Tom Klingenberg

Softwareentwickler  
Netz98 (Mainz)

E\_TOO MUCH PHP

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# Kurzvortrag

- Commit
  - Stil
  - Syntax



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# Full Disclosure

Magerun Entwickler

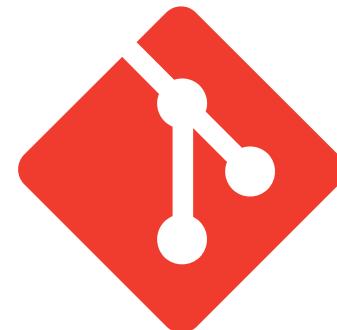
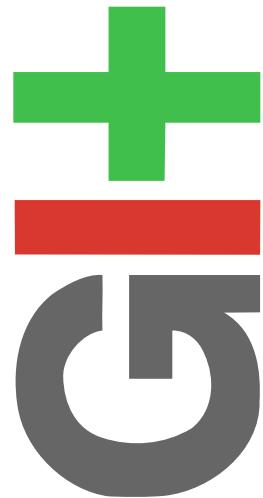
Jetbrains / PhpStorm ist Sponsor  
(PHPUGRHH & Magerun)

Git Fan

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# Got GIT?



git

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# Got GIT?



gitk: n98-magerun

File Edit View Help

Current Branch: master

Unstaged Changes

- [TASK] #785 fix cron expression parsing
- Merge pull request #785 from dmaciej/cron-command-expression
- Fix unsupported operand types error in cron commands
- Merge pull request #782 from JeroenBoersma/develop
- Be mister nice guy, always have a loader
- Reinserted old functionality to be backwards compatible
- Changed hardcoded autoload.php to dynamic
- Merge pull request #778 from convenient/feature/mysqlldump-modif
- Refactor mysqldump command order
- Merge pull request #773 from dank00/fix/sed-illegal-byte-sequence
- Prepend LANG=C LC\_CTYPE=C LC\_ALL=C to sed command
- [remotes/private/bugfix]
- [FIX] #768 report init exceptions to stderr
- [TASK] #717 Check requirements in db:dump
- [FIX] minor CS change
- [TASK] streaming CheckCommand with M9

SHA1 ID: bd6ecc033d6ffe1915845eda403a4ee96224de34

Find ↓ ↑ commit containing: Search

Diff Old version New version Lines of context: 3

Author: Jeroen Boersma <jeroen@srcode.nl> 2016-02-29 17:01

Committer: Jeroen Boersma <jeroen@srcode.nl> 2016-02-29 1

Parent: b8be0c16737dafea7dc1e25781ffeb4840ba1d8 (Changed)

Child: 7383c6b1ce0215a36b07d4f1ffcd55f04a438ff (Be miste

Branches: develop, remotes/origin/develop, remotes/private/develop, remotes/private/develop

Follows: 1.97.11

Precedes:

Reinserted old functionality to be backwards compatible

Git Gui (n98-magerun) /home/mot/PhpstormProjects/n98-magerun

Repository Edit Branch Commit Merge Remote Tools Help

Current Branch: master

Unstaged Changes

- changes.txt
- src/N98/Magento/Command/Database/DumpCommand.php
- src/N98/Magento/Command/Developer/Module.php

Modified, not staged File: changes.txt

RECENT CHANGES

+1.97.12

+ #772 Undefined "io" helper

+ #768 Report init exceptions to stderr

+ #717 Check requirements in db:dump (by Tom Klingenberg)

+ #764 Sanitize module properties in dev:module:list (by Ben McManus)

+ 1.97.11

+ #758 Add Magento 1.9.2.3 (by Tom Klingenberg)

+ improved bash autocomplete file (by Tom Klingenberg)

src/N98/Util\Console\Enabler.php

src/N98/Util\Console\Helper\DatabaseHelper.php

src/N98/Util\Console\Helper\IoHelper.php

version.txt

Merge Commit Message: New Commit Amend Last Commit

Rescan Stage Changed Sign Off Commit Push

git gui – Git Commit Werkzeug

gitk – Visualisierung der Historie

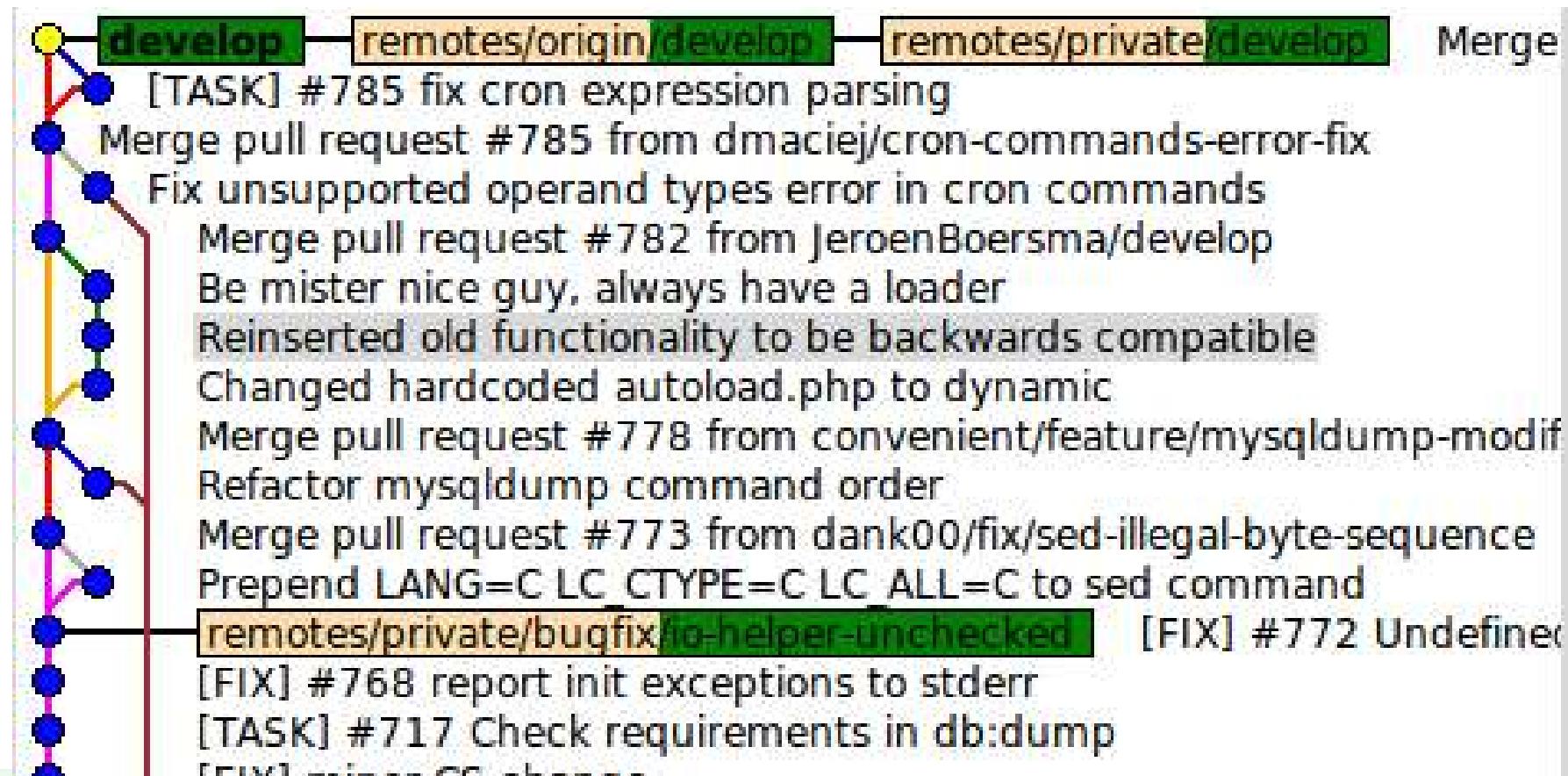
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# Commit Nachrichten

- **gitk** und **git gui** sind nur zwei exemplarische Beispiele
- Konsole (**git log**)
- Emails (Lists, Benachrichtigungen)
- Github (Web)
- History Viewer (**Gitg**)
- PhpStorm (IDE)

# Commit Nachrichten

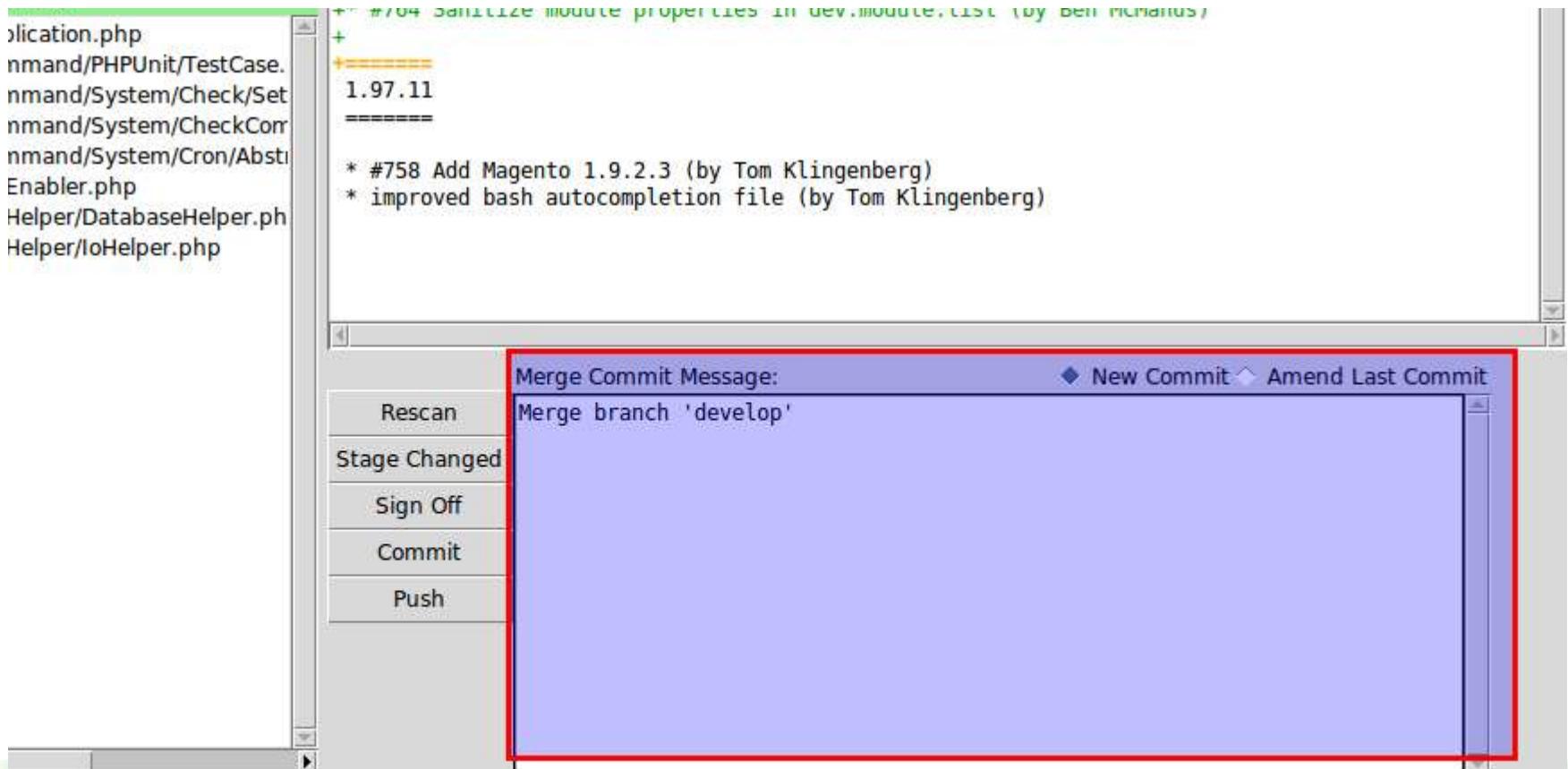


gitk – Visualisierung der Historie

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# Commit Nachricht



git gui – Git Commit Werkzeug

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# Was gehört in ein Commit rein? I

- Zusammengehörige Änderungen
- Whitespace von Code Changes trennen
- Refactoring von Weiterentwicklung trennen
- Stichwort: Code-Review
- Stichwort: Team-Arbeit

# Was gehört in ein Commit rein? II

- Kann viel zu gesagt werden ;)
- Mein Thema ist im speziellen die Commit Nachricht
- Tipp: Drauf achten ob die zu schreiben flüssig von der Hand geht und wenn nicht was man da so findet

# Tim Pope Vorschlag I

Capitalized, short (50 chars or less) summary

More detailed explanatory text, if necessary. Wrap it to about 72 characters or so. In some contexts, the first line is treated as the subject of an email and the rest of the text as the body. The blank line separating the summary from the body is critical (unless you omit the body entirely); tools like rebase can get confused if you run the two together.

Write your commit message in the imperative: "Fix bug" and not "Fixed bug" or "Fixes bug." This convention matches up with commit messages generated by commands like git merge and git revert.

Further paragraphs come after blank lines.

- Bullet points are okay, too
- Typically a hyphen or asterisk is used for the bullet, followed by a single space, with blank lines in between, but conventions vary here
- Use a hanging indent

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# Tim Pope Vorschlag II

- Betreff mit 50 Zeichen oder weniger
- In Befehlsform
- Leerzeile
- Body – Fließtext mit Umbruch bei 72 Zeichen
- Listen (eingerückt), mit Leerzeilen zwischen den Punkten

# Betreff

- Aussagekräftig
- Kurz und bündig
- Mit einem Großbuchstaben beginnen
- Kein Punkt am Ende
- Idealer Weise nicht mehr als 50 Zeichen



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# Die Sieben Regeln (Chris Beams)

1. Betreff von Beschreibung mit Leerzeile trennen
2. Betreff auf 50 Zeichen begrenzen
3. Betreff mit Großbuchstaben beginnen
4. Und *nicht* mit Punkt beenden
5. Befehlston im Betreff verwenden
6. Textkörper bei 72 Zeichen umbrechen
7. Im Text erklären *Was* und *Warum* (*nicht Wie*)

# Chris Beams Vorschlag I

Summarize changes in around 50 characters or less

More detailed explanatory text, if necessary. Wrap it to about 72 characters or so. In some contexts, the first line is treated as the subject of the commit and the rest of the text as the body. The blank line separating the summary from the body is critical (unless you omit the body entirely); various tools like `log`, `shortlog` and `rebase` can get confused if you run the two together.

Explain the problem that this commit is solving. Focus on why you are making this change as opposed to how (the code explains that). Are there side effects or other unintuitive consequences of this change? Here's the place to explain them.

Further paragraphs come after blank lines.

...

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# Chris Beams Vorschlag II

...

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If you use an issue tracker, put references to them at the bottom, like this:

Resolves: #123

See also: #456, #789

# Anhang

- A Note About Git Commit Messages (Tim Pope)
- Git Commit Good Practice (Open Stack)
- How to Get Your Change Into the Linux Kernel (Kernel)
- How to Write a Git Commit Message (Chris Beams)
- Git Commit Msg (Karma)

# Trivia

```
$ curl whatthecommit.com/index.txt
```

- Commit Message Generator ([whatthecommit.com](http://whatthecommit.com))
- Commit Logs From Last Night (Der Abtritt)