

# Joomla Bugs & Patches - Quick Reference Guide

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## Joomla Issue Tracker

- <http://issues.joomla.org/>
- Login with Github account -> no account? <https://github.com/>
- Status: New > Confirmed > Pending > Ready to Commit (RTC) > Closed
  - **New** - Just reported
  - **Confirmed** - Someone reproduced & confirmed error
  - **Pending** - Patch available ("PR" - pull request); needs 2 successful tests
  - **Ready To Commit** - To be added to Joomla source code
  - Needs Review - Need experienced developer to review the issue
  - Information Required - Need more info from the person who reported the issue

## Testing Bugs, Reports, Patches

- Have working local web server environment (XAMPP, MAMP ect)
- Get Joomla "staging" from: <https://github.com/joomla/joomla-cms>
  - Download, unzip to folder
  - or: git clone <https://github.com/joomla/joomla-cms.git>
- Install Joomla at local web server
  - Install with: Test English (GB) sample data
  - Do **not remove** /installation/ folder!
- Joomla Patch Tester Component
  - Download from: <https://github.com/joomla-extensions/patchtester>
  - Installation via Extensions > Install
  - Add your own Github account details under Options (Username + Password)
- Testing found issues
  - Find issue in Joomla Issue Tracker (useful filters: status, category, tests, easy)
  - Reproduce bug (can't reproduce bug? → report)
  - Install Patch in Joomla Patch Tester Component
    - patch: [#ID of patch - Some descriptive title for problem/patch]
  - Test if bug is solved & report findings (use @test for successful test)
  - Remove Patch ("revert patch")

## Report Bug

- Search in Issue Tracker if issue has been reported already
- Create new item [New Item]
  - Title: use descriptive title!
  - Description:
    - Steps to reproduce the issue
    - Expected result & actual result
    - System information (as much as possible)  
e.g. your PHP information, browser + version
    - Additional comments
  - Priority: default: Medium
  - Build: 3.3.7-dev (at this moment)
  - Categories: select the most appropriate categories

## Create Patch

Patch = text file that describes changes in source code.

Methods:

- Use IDE (like Netbeans, PHPStorm)
  - Improve Joomla code in editor & create .diff patch
- Use Github: <https://github.com/joomla/joomla-cms>
  - Navigate to page with code
  - Click “pencil” icon: “Clicking this button will fork this project so you can edit the file”
  - Add improvements:
    - Make changes in code under “Edit file”
    - Add Commit Summary under Propose file change (50 char or less)
    - Use optional extended description (in case 50 char was not enough)
  - Save & choose Pull Request
- Use Command line “git” (for experienced users)

## More info:

Bug Squad: [http://docs.joomla.org/Bug\\_Squad](http://docs.joomla.org/Bug_Squad)

Bug Tracking Process: [http://docs.joomla.org/Bug\\_Tracking\\_Process](http://docs.joomla.org/Bug_Tracking_Process)

Testing Checklist: [http://docs.joomla.org/Testing\\_Checklists](http://docs.joomla.org/Testing_Checklists)