Triaging Bugs in GNOME

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About me

Tobias

```
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ACF0 F5EC E9DC 1BDC F09D
B992 4147 7261 7CB6 4CEF
```

- **7** Talk 30 min.
- Ask questions immediatly
- discussion at the end (and in between, if applicable)



Motivation

Why are we here today?

- **#** Help People to start triaging
- Show best practices and common pitfalls
- ldentify, discuss and solve current problems
- Get to know each other, aka map addresses to faces



Motivation

Why is GNOME here today?

- 👸 tidy up bug database
 - $ilde{m{ec{v}}} \sim 5$ active triagers
 - $angle \sim 1200 \sim 750$ incoming bugs per week
 - $m ilde{v} \sim 750$ closed bugs per week
 - i ~ 24000 unanswered bugs
 - $\overset{\bullet}{\mathbf{c}}$ ~ 7000 bugs older than two years
- 👸 bringing triage community together
- teaching newcomers in triaging



Description

What is Bug Triaging anyway?

- *Community* QualityAssurance
- **** Manage Bugs
 - get enough information for devs to fix bugs
 - keep bugs in their actual state (NEEDINFO, OBSOLETE, Version, . . .)
 - 👸 address severe bugs
- make users and devs happy :-)



GNOME Methodology

How does GNOME manage its bugs?

```
Bugzilla as Bug Database
```

- ature product
- awesome install base
- though old and kinda rusty

gnome-bugsquad@gnome.org as mailing-list

- **Ö** Discuss Policies
- **Organize** Bugdays
- Answer Questions
- Answer Questions
- Subscribe http://mail.gnome.org/mailman/ listinfo/gnome-bugsquad

#bugs on GIMPnet

- **Easy Questions**
- 👸 hang around

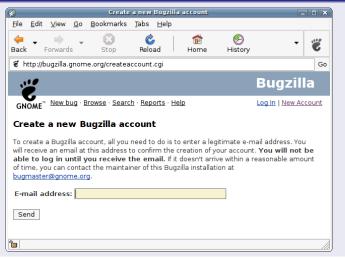


Beginners Guide

How do I triage bugs?

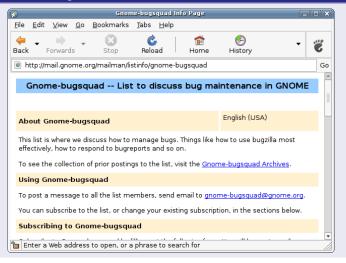
How do I triage bugs?

Create Bugzilla Account



How do I triage bugs?

Subscribe Mailinglist



How do I triage bugs?

Read Triage Guide



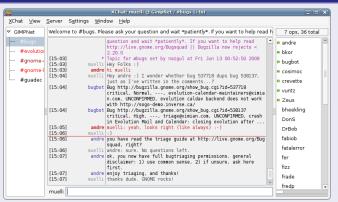
How do I triage bugs?

Triage Bugs

Write Comments, Ask on IRC or Mailinglist

How do I triage bugs?





On IRC or on Mailinglist

How do I triage bugs?

Collect Points

Real Triagers are older in bugzilla points than in real life

Description
GNOME Methodology
Beginners Guide
Best Practice Pitfalls

Best Practice Pitfalls

How does Triaging look like?

Communication

- Be nice, be friendly, be happy
- **K** Anwser early, Answer often
- Be nice, be friendly, be happy



Best Practice Pitfalls (cont.)

How does Triaging look like?

Methods

- 🏅 Adjust Bugzilla Metadata (Version, Product, ...)
- Kask for proper Stacktrace (C vs Mono vs Python vs ...)
- Analyze Stacktrace (Ignore Glib/Gtk+ buzz, Find crashing function, . . .)
- **look** for Dups with Traceparser
- 👸 Rename Bug to include crashing function, filename, location
- Watch out for modules that don't like being triaged (Pango and vte)



Status Fields

What do all these fields mean, anyway?

UNCONFIRMED This bug has recently been added to the database. Nobody has validated that this bug is true. Users who have obtained permissions from the bugsquad may confirm this bug, changing its state to → NEW. It may also be directly resolved and marked RESOLVED, or more information may be necessary, moving it to NEEDINFO.

NEW This bug has recently been added to the assignee's list of bugs and must be processed. Bugs in this state may be accepted and become →ASSIGNED, passed on to someone else and remain NEW, or resolved and marked RESOLVED.

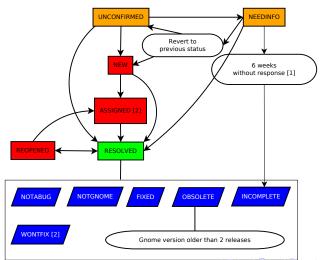
What do all these fields mean, anyway?

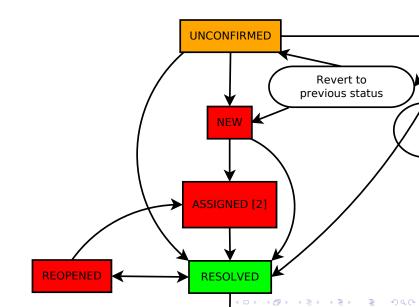
- ASSIGNED This bug is not yet resolved, but is assigned to the proper person. From here bugs can be given to another person and become NEW, or resolved and become \rightarrow RESOLVED.
- NEEDINFO More information from the reporter is needed to proceed further in fixing this bug. This should not be used when someone needs more information from a developer- a NEW or ASSIGNED bug implicitly needs more information from the developer.
- RESOLVED The bug has been resolved in some way. The resolution field should contain a secondary status describing the way in which it was resolved. See the Resolutions section for more details.

Status Fields (cont.) What do all these fields mean, anyway?

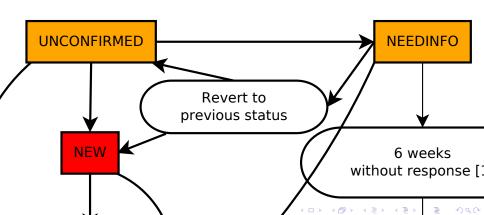
VERIFIED and

CLOSED GNOME does not substantially use VERIFIED or CLOSED. When used, they indicate that a third party has checked to see that a bug was properly resolved.

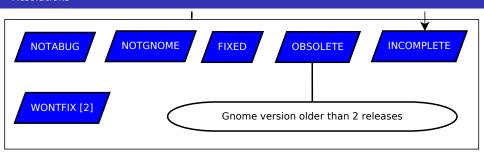




Triaging Diagram NEEDINFO

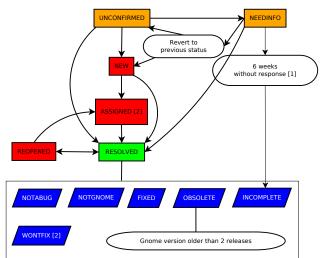


Triaging Diagram Resolutions



[1] It's not always 6 weeks. Some maintainers explicitly asked to not close after 6 weeks [2] Only for maintainers

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Conclusion

What we've just learned

- **GNOME** needs triagers
- lt's easy to start triaging
- **t**'s about people



Questions?

Questions?

