



CDT Bugzilla Etiquette

How to be a good Bugzilla citizen



What is Bugzilla Used for?

- To inform the community about bugs you found
- To propose ideas for new features
- To provide feedback on ideas and bugs
- To judge the relative quality of the CDT
- To track what we are working on
- To track what bugs need to be fixed before we release
- To track what bugs were fixed in a release
- To fill out the project log with the list of patches



Component

- Active components
 - cdt-core – bugs in the editor and source navigator
 - cdt-build – bugs in the build systems
 - cdt-debug – bugs in the debug system
 - cdt-launch – bugs in the launchers
 - cdt-doc – bugs in the user and ISV docs
 - cdt-releng – bugs in the CDT builds

- All other components are deprecated



Bugzilla Status

- **UNCONFIRMED**
 - Not used at Eclipse
- **NEW**
 - Default initial state
- **ASSIGNED**
 - Usually means that it's assigned to someone
 - But that's usually obvious when the bug is taken from the inbox
- **RESOLVED**
 - Bug isn't a problem/enhancement any more
 - Resolution says how



Bugzilla Status

- VERIFIED
 - QA has verified the bug is RESOLVED
- CLOSED
 - The originator agrees that the bug is RESOLVED
 - Or, according to Bugzilla Help, the release ships
- REOPENED
 - QA or the originator disagree that the bug has been RESOLVED



CDT Bugzilla Status Stats

- 0 – UNCONFIRMED
- 1528 – NEW
- 22 – ASSIGNED
- 41 – REOPENED
- 5613 – RESOLVED
- 720 – VERIFIED
- 443 – CLOSED

- Scary number of unverified bugs



Bug Severity

- Either an enhancement
- Or how badly the bug affects the originator
 - Blocker – blocks development and/or testing work
 - Critical – crashes, loss of data, out of memory exception
 - Major – major loss of function
 - Minor – minor loss of function, easy workaround available
 - Trivial – cosmetic
 - Normal – unclassified



CDT Severity Stats (on Open Bugs)

- 4 – blocker
- 13 – critical
- 108 – major
- 83 – minor
- 16 - trivial
- 918 – normal
- 449 – enhancement

- Few people actually set the severity



Resolutions

- **FIXED**
 - Code changed to resolve the bug
- **INVALID**
 - Not really a problem in the CDT
- **WONTFIX**
 - Yes it's a problem, but we do not intend to fix (who's we?)
- **DUPLICATE**
 - Obvious
- **WORKSFORME**
 - Can't reproduce the problem
- **NOT_ECLIPSE??** (REMIND and LATER deprecated)



Summary Field

- Make sure it accurately describes the problem
 - And feel free to change it if necessary
- Some people put tags in []'s to show what area the bug is in
 - Not universally applied and actually clutters up the summary
 - But feel free to do what you need to manage your bugs



Hardware and Operating System

- Bugzilla fills this out automatically when bug created based on host machine.
- Not sure it really matters.
 - If a bug is specific to a machine, that should be mentioned in the comments



Version

- Version where the bug appears
 - Ideally should be the version where the bug first appears
- Clone bug for each branch where the fix will be
 - Or not – be pragmatic



Priority

- Shows the importance and order in which bugs will be addressed.
- Assignees are free to use as they want, if they want
- No project wide meaning behind the priority



Target Milestone

- The default, '—', means no commitment to fix
- Assigning a milestone is a commitment to address the bug
 - Think carefully when changing the milestone again

Assigned To

- By default bugs assigned to inbox accounts
 - Any one is free to reassign an inbox bug to themselves

- Inbox accounts shouldn't have Target Milestones
 - Target Milestones are commitments
 - Inbox accounts aren't sentient enough to make commitments

- If you take a bug and don't think you'll actually get time to fix
 - Return to the pool by reassigning back to the inbox
 - So that someone else could pick it up



Patches

- Make sure you mark patches with the patch flag
 - Used by automated scripts to generate project log
- How to mark a patch as applied/not applied?
 - Mark obsolete if not applied
 - Contributed keyword
 - Keywords in comment