

MySQL bug

From birthday to the end

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LIVE

Bugs have different lives

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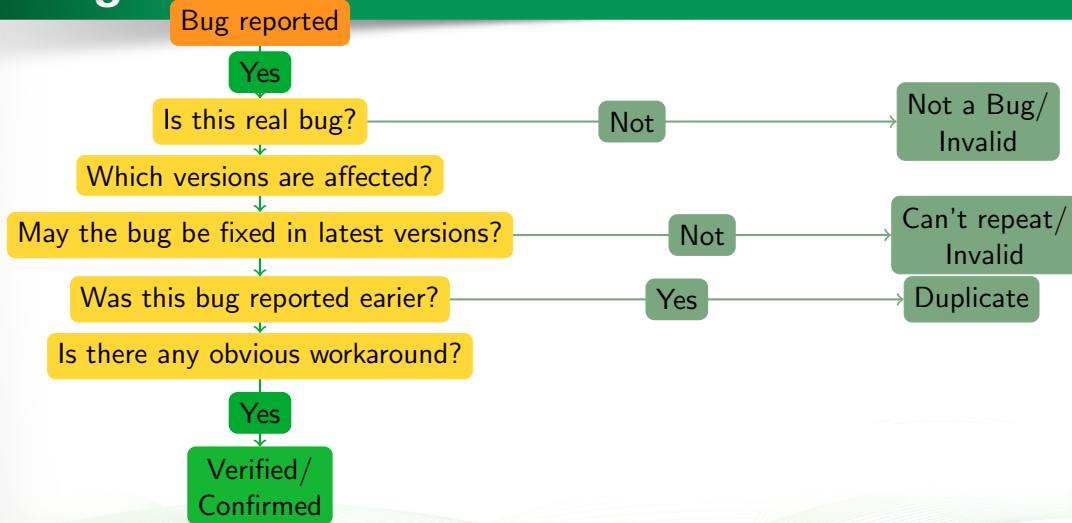
- Bug #20786
 - Verified in year 2006
 - Still not fixed
- Bug #989
 - 3 Runtime worklogs implemented
 - Author's blog
- Bug #23427
 - Opened: October, 18, 2006
 - Patch pushed: October, 20, 2006

What this session is about?

- Bugs verification workflow
- What is a "Useful MySQL Bug Report"?
- What to do before reporting a bug?
- How to search for known MySQL bugs efficiently?
- What tools may help to create a useful bug report?
- Examples of useful bug reports
- Examples of useless bug reports

Bug verification workflow

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Bug priority

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- Some bugs get fixed in hours, others wait forever
- Usually decision makers take in account:
 - How bad is the bug
 - Known and potential impact of the bug
 - Number of support customers affected
 - Number of subscribed users
 - Number of users who click on “Affects Me” or similar buttons
 - Explicit customer’s requests to fix the bug

Report bugs in public!

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- Easy to search for:
 - `site:bugs.mysql.com drop add index InnoDB`
- Becomes visible to other customers, community members and MySQL support providers and developers outside of Oracle

Report bugs in public: where?

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- bugs.mysql.com
- mariadb.org/jira
- bugs.launchpad.net/percona-server
- bugs.launchpad.net/percona-xtradb-cluster
- bugs.launchpad.net/percona-xtrabackup
- bugs.launchpad.net/percona-toolkit

Features of a Useful Bug Report

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- It's a real, new bug that was never reported before
- It's clear what the bug is and how to reproduce it
- Bug reporter cared to check on latest officially released version in the branch
- All important details about the environment and impact are provided
- Anything wrong or missed in the above?

How to search for known bugs?

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- Use Google:
 - [site:bugs.mysql.com](https://bugs.mysql.com) drop table slow
 - Check at least first 3 pages of results and links there
- Search for specific error messages, lines from stack trace, versions, filenames and line numbers, names

How to search for known bugs?

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- Use bug tracker specific search:
 - Specific categories
 - Bugs vs. Feature requests
 - Specific version, bug status etc
- Study features and limitations of your search tools
- Keep your own notes and test cases "database"

Tools for bug reporters

- Randgen (RQG)
- MTR (MySQL regression test suite)
- reducer.sh
- MySQL Sandbox
- Percona Toolkit (pt-summary, pt-mysql-summary, more)
- Debug binaries and trace
- Valgrind and Massif
- Anything else?

Examples: useful bug reports

- 69979 - how repeatable read works (NaB)
- 73837 - how to report optimizer bugs
- 68705 - Valgrind in use to find memory leak
- 73825 - simple wrong results bug
- 73881 - RQG in action
- 68554 - optimizer trace, level of details
- 68079 - sysbench, P_S, cooperation
- 69253 - with patch suggested (mind OCA)
- 73018 - even good reports may stay Open

Examples: useless bug reports

- 2 - pure fun. Not fixed for 12 years!
- 69878 - real bug, but many problems reported in one, no respect
- 55796 - "it really sucks", gotcha...
- 73960 - "this query is very slow"...
- 73921 - free support request, 5.5.34
- 73844 - almost no details, others wrong
- Percona bug #1245141 - RBR with no PK/UK in 5.5. Time to check for known problems...

How to affect decisions

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- Don't be silent
- Study tools which company uses

bugs.mysql.com/bug.php?id=31778

Bugs Home	Report a bug	Statistics	Advanced search	Saved searches	Tags
Bug #31778 show binlog events crashes server					
Submitted:		23 Oct 2007 9:43			
Reporter:		Sveta Smirnova			
Status:		Verified			
Category:		Server: Replication			
Version:		4.1 BK, 5.0 BK, 5.1 BK			
Email Updates:				<input type="button" value="Subscribe"/>	
Impact on me:				<input type="button" value="None"/> <input checked="" type="button" value="Affects Me"/>	
Severity:				S2 (Serious)	
OS:				Any	

- Open Support tickets

Any bug reports you want to discuss?

- 73369 - sometimes even experienced Support engineers have problems
- 69979 - even if it's "Not a bug" eventually, it was a useful work for all!
- 71095 - you can get patch in a matter of days!
- "Private" and "Security" bugs in public bugs databases. Should they exist, who decides on these statuses, when to make them public?
- Your examples?

Thank you!

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The screenshot shows a web browser with two tabs. The active tab is <https://bugs.mysql.com/report.php?login=1>, displaying the MySQL bug report form. The background tab is https://customers.percona.com/new.php?prj_id=8, showing the Percona support page.

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Create New Issue

MySQL

Developer Zone | Bugs Home | View your bugs

Before you report a bug, make sure to search for similar bugs. If you are not sure that what you're about to report is a bug, please check the FAQ.

Failure to follow these instructions may result in your bug simply being marked as "not a bug".

If you have a test case (SQL dump, backtrace or similar) as a file, please enter the information about the file.

Be sure to include the version information for all relevant software: the server, any connectors being used, and the client program.

Synopsis:

Category: Severity: [test file](#)

Version: OS: Details:

Tags: (comma separator)

Does this bug report represent a security vulnerability? ☐ Yes ☒ No