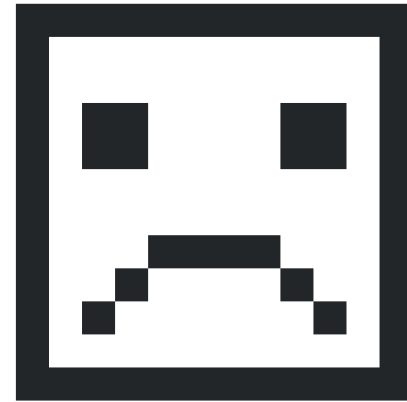


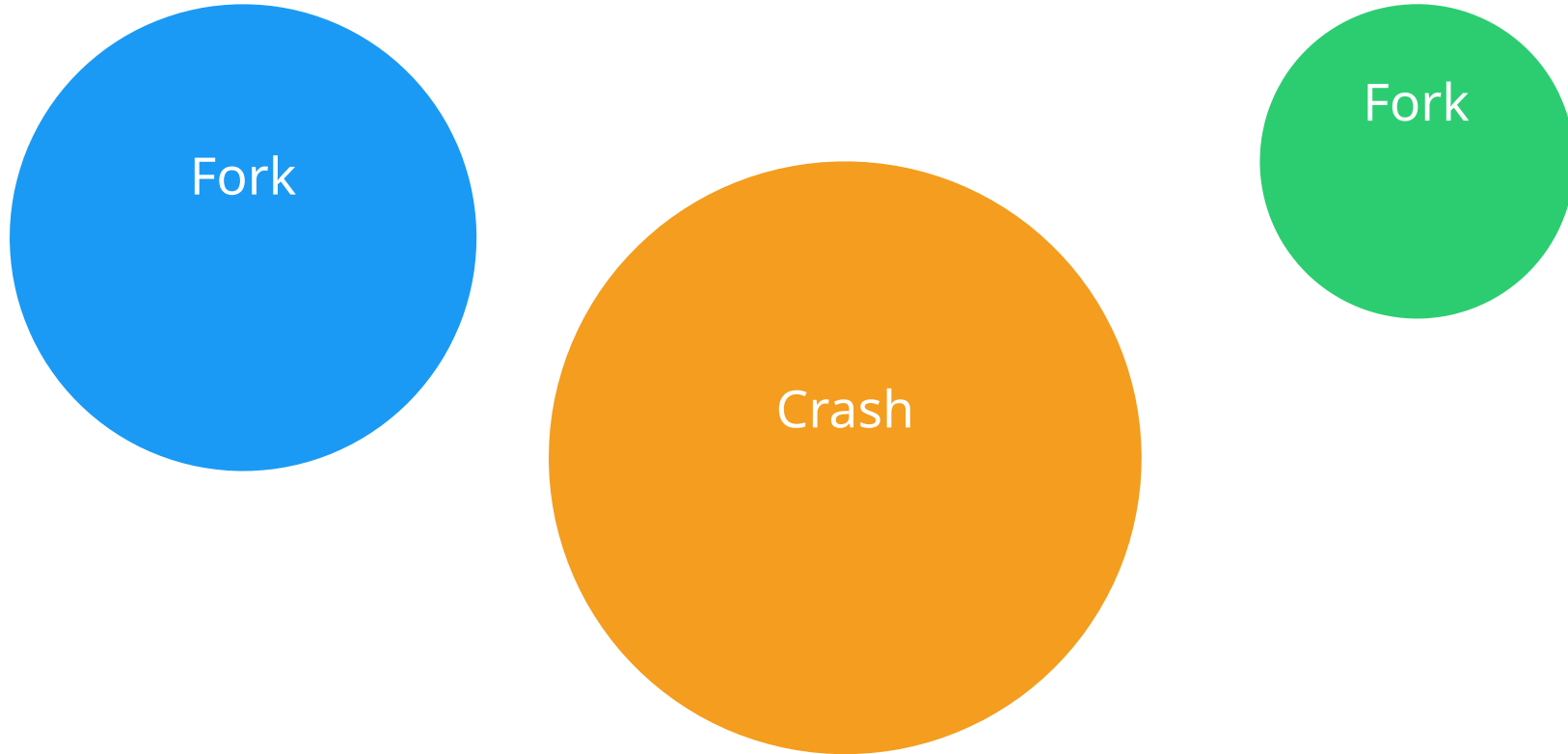
Harald

Stop Crashing Already!!!

Bugs, bugs everywhere



The Cycle of Life



Workflow

- Segfault
- Kcrash intercepts signal
- Launches drkonqi
- Drkonqi attaches gdb
- Gdb spits out trace
- User files bug report



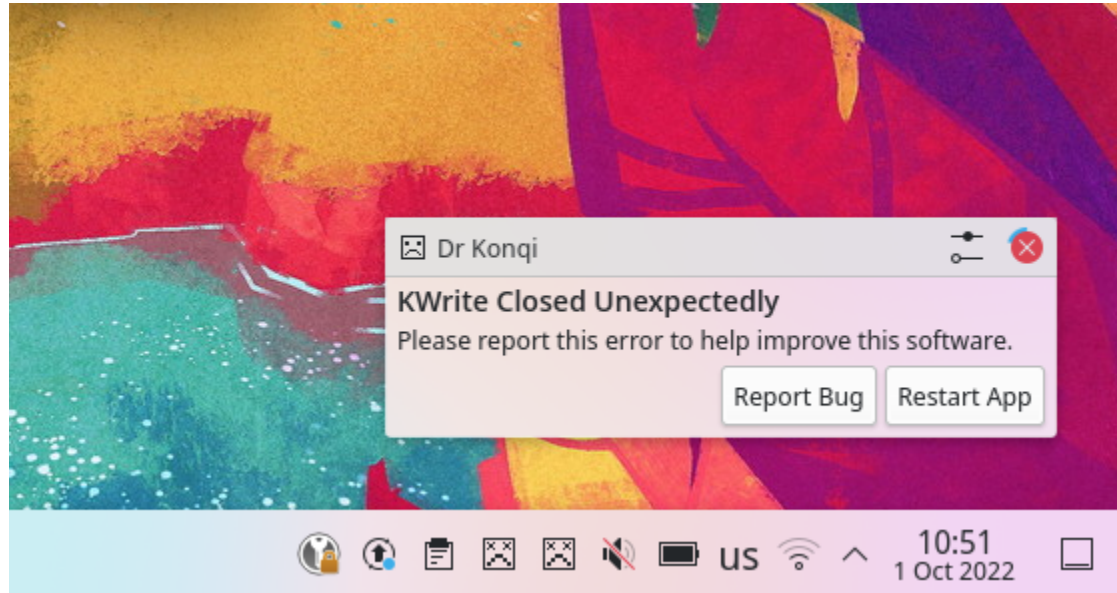
KDE Software

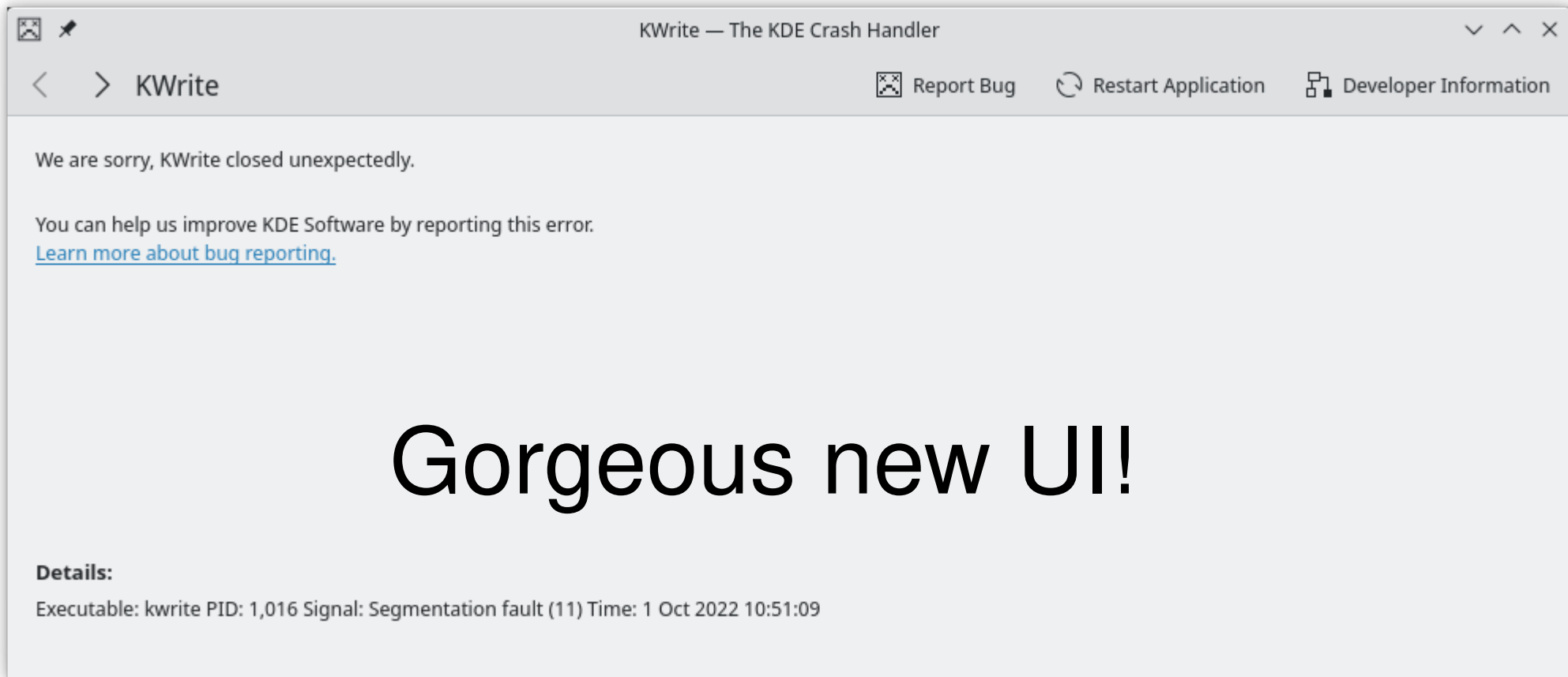
Crashes

Bugzilla

Sad User

Sad Devs





Oof

Backtrace from 0000000000000000 to 0000000000000000

#4 0x00007f78e84b8b3c in ?? () from /lib/x86_64-linux-gnu/libKF5KIOFileWidgets.so.5

The backtrace is not complete. You need to install debuginfo for kio

Problems



User Action

We all are lazy



Debug Symbols

Hello Manjaro!



Reliability

JIT Debugging has
its challenges

Debug Later: coredumpd

Systemd Also Catches Crashes???

System-Level Core Handler

Disk Usage Limits

Metadata

Limited but available

Other Awesome Stuff

Debug Symbols: debuginfod

One Server to Debug Them all, One
Server to Find Them, One Server to Bring
Them all and in Symbols Bind Them

Cross-Distro

Simple REST API

Fairly New Still

Ubuntu only grew one the last few months

Industry

Calls Home

Automatic

Statistics

Introducing: Sentry



SENTRY



Symbolication

Automatically resolve frames using debug symbols via debuginfod

Event Aggregation

Events that “look” similar enough get grouped together into the same Crash

Metadata

Track distros and versions affected

Other Awesome Stuff

Release health detection, regression detection, gitlab integration, and so and so forth

Qt kioslave5

All Envs

Jul 5 - Sep 30

Search by release version, build, package, or stage

Crash Free Sessions

Start Setup

Crash Free Users

Start Setup

Number of Releases

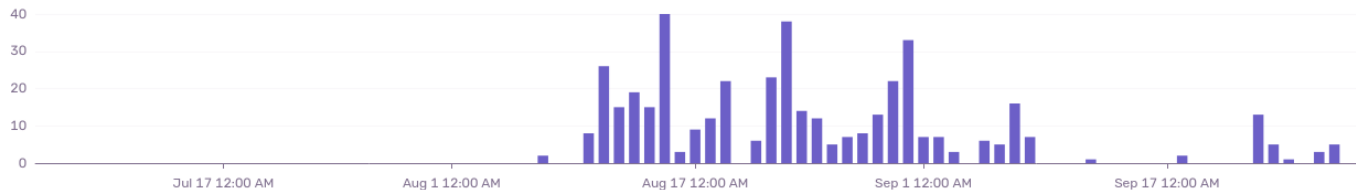
1

Apdex

Start Setup

Get Tour

Number of Errors



Total Errors 433

Display: Number of Errors

All Issues 11

New Issues 3

Unhandled 11

Regressed 0

Resolved 0

Open in Issues

Open in Discover

< >

ISSUE

EVENTS

USERS

ASSIGNEE

QMessageLogger::fatal

Aborted

KIOSLAVES-1 Unhandled 3d ago | 2mo old 2

404 / 404

0 / 0

Assignee

KIO::SlaveBase::dispatch

Aborted

KIOSLAVES-8 Unhandled 1wk ago | 1wk old

9 / 9

0 / 0

Assignee

Team Access

#community

Latest Alerts

Create Alert

Learn More

Latest Releases

Jul 8, 7:37 AM

unknown

Quick Links

User Feedback

View Transactions

Most Improved/Regressed Transactions

DEMO
TIME

Bonus:
GDB Python
Scripting is
AMAZING



Thank You

