

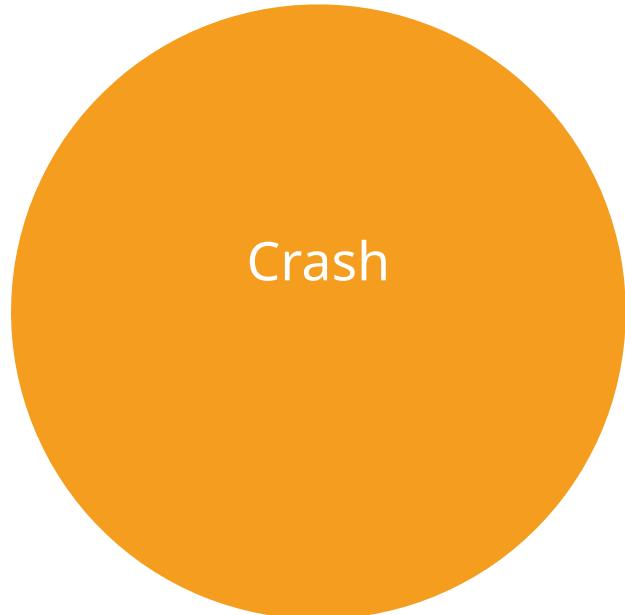
Harald

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



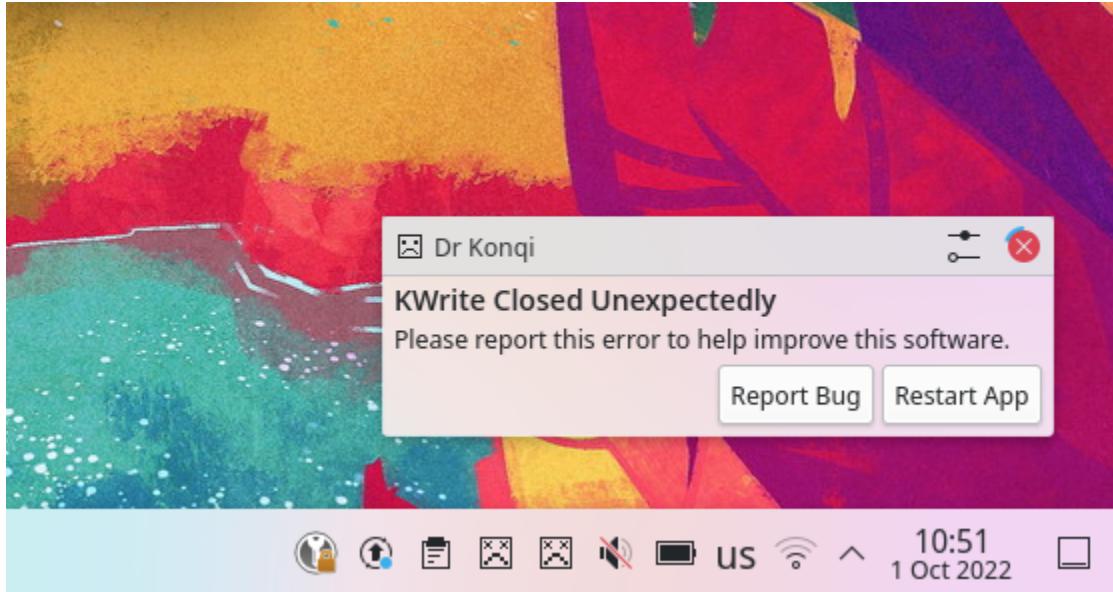
KDE Software

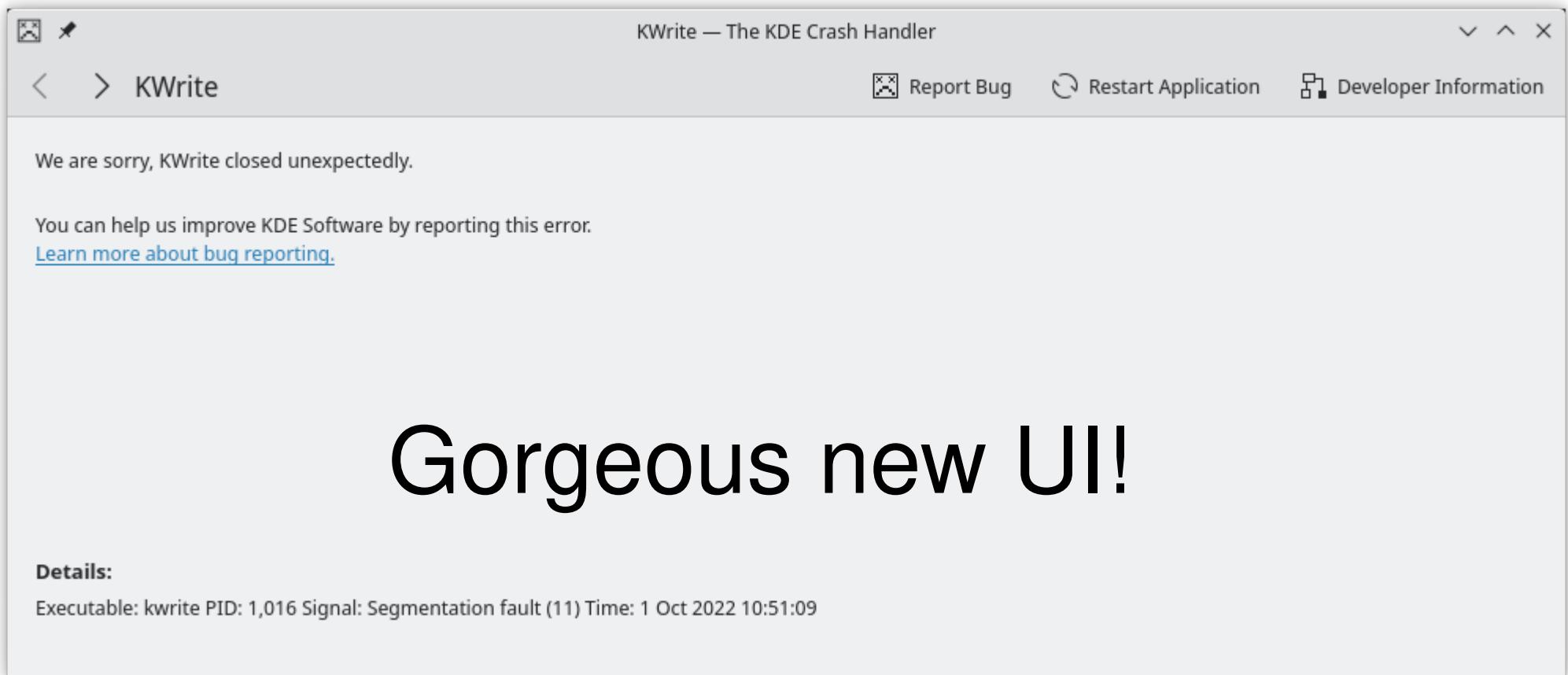
Crashes

Bugzilla

Sad User

Sad Devs



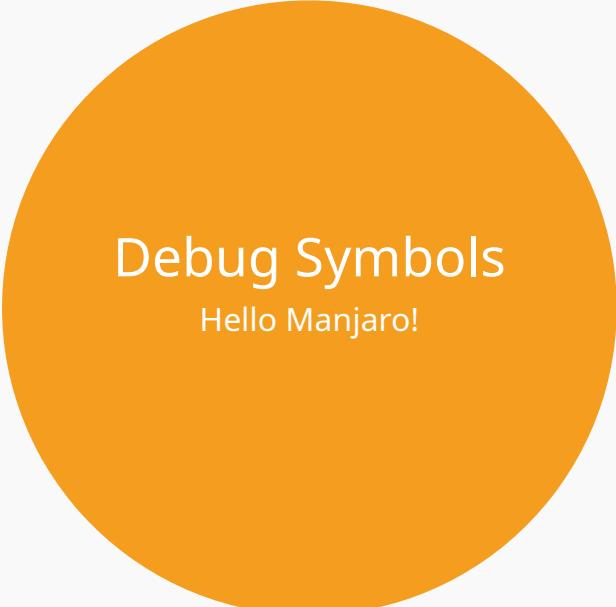


Oof

```
#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

This Period



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

KIOSLAVE5-1 Unhandled 3d ago | 2mo old

404 / 404

0 / 0

👤

KIO::SlaveBase::dispatch

Aborted

KIOSLAVE5-8 Unhandled 1wk ago | 1wk old

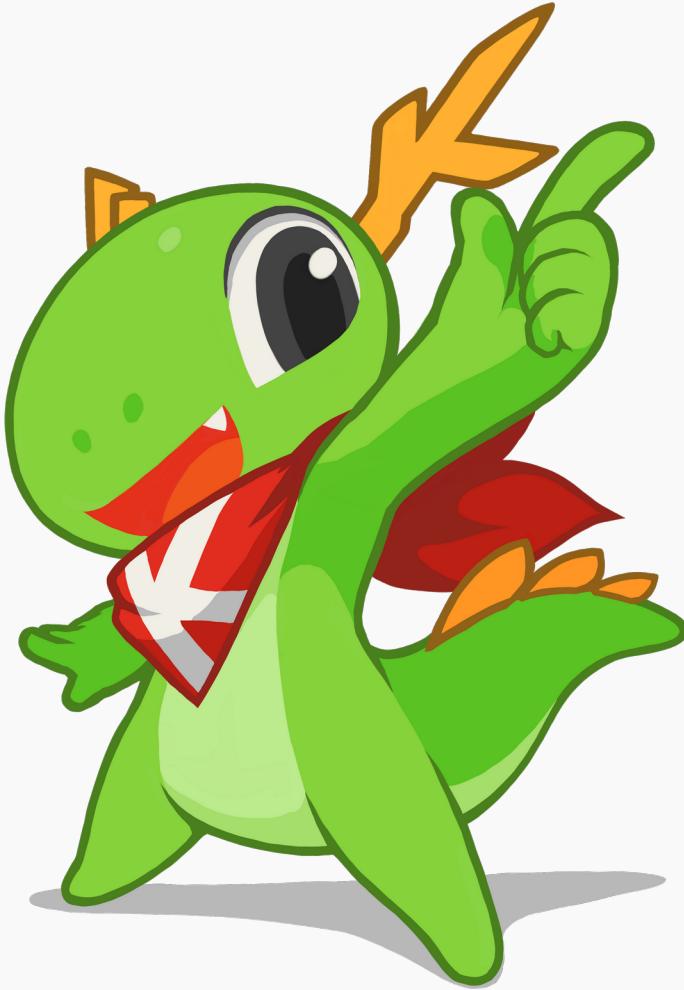
9 / 9

0 / 0

👤

DEMO TIME

Bonus:
GDB Python
Scripting is
AMAZING



Thank You

