Handling crashes in LibreOffice

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2016-01-30
What are you talking about?
- From last ESC regression entry:
  - Crashes - 60 (+3)

- Get crash information early

- Breakpad + Socorro (Mozilla)
- Abrt + retrace
- whoopsie
### Top Crashers for Firefox 47.0a1


The report covers 32877 (96.5%) of all 33881 crashes during this period

#### Report Date: Next Recent By Day

<table>
<thead>
<tr>
<th>Rank</th>
<th>%</th>
<th>Diff</th>
<th>Signature</th>
<th>Count</th>
<th>Win</th>
<th>Mac</th>
<th>Lin</th>
<th>No GC</th>
<th>First Appearance</th>
<th>Bugzilla IDs</th>
<th>Correlation</th>
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Architecture
Client side

- Breakpad

- Key-Value Store for metadata
  - GPU (driver), OpenCL (driver), ...

- ini-file during crash

- Upload during recovery dialog
  - Gives user a choice
  - Allows to show information
  - Avoid running more than necessary in crash handler
Server side

- Symbolize reports
- Python + django
- Independent django apps

submit
processor
base
stats
upload
Server (2)

- About 1.5k lines of python
- Inspired by socorro
- Some Javascript and CSS
- Needs some improvement to become beautiful
Workflow

Crash → Restart → Recovery Dialog → Upload minidump → Uploaded crash → Cron Job → Processed crash → Cron Job → Statistics
Demo
Thank you ...

ѩ ... for listening!