masterpage-changed-diagnostic-TEMPORARY-v1.0

Dev report · testing-only, not a fix · 4 files

Purpose

- One open question blocking the real fix: does browsing between master pages (no editing) ever fire changed()?
- If yes — a per-master tracking design would false-flag browsing as an edit. If no — safe to build.
- Not guessed. Tested before the fix was written, not after.

What it instruments

- ScribusDoc::changed() — single choke point, catches every caller. Logs masterPageMode state, current page, and prior modified state on every call.
- PagePalette::startMasterPageMode() / endMasterPageMode() — ENTER/EXIT brackets for the whole session.
- ScribusMainWindow::editMasterPagesEnd() — before/after state around the reapply loop specifically, plus a running count.
- PagePalette_MasterPages::selectMasterPage() — tags each master-page click as "browsing," distinct from an edit.

How it was run

- QT_LOGGING_RULES="*.debug=true" ./scribus-1.7.4.svn 2>&1 | tee ~/masterpage_log.txt
- Staged repro: enter, click through several masters with zero edits, exit (checked title bar) — then re-enter, make one real edit, exit again.
- grep -a MPDIAG ~/masterpage_log.txt after quitting, to flush and filter the log.

What it found

- 9/9 master-page selections (pure browsing): doc->isModified() stayed false before and after, every time. Zero false positives — the one real risk in the tracking design, ruled out.
- Reapply loop: exactly 19 changed() calls on a 19-page document, confirmed twice across two separate exits. One call per page, unconditional.
- Side-finding: doc->currentPage() doesn't update during the reapply loop — all 19 calls tagged with whichever page was last selected before exit. Didn't block the fix (those calls are already tagged masterPageMode=false, distinguishable on that alone) but worth knowing for anyone reading this code later.

Outcome

- Confirmed the tracking design was safe to build as planned, no redesign needed.
- Fed directly into masterpage-false-modified-fix-v1.0 — every number above is reflected in that patch's actual behavior, not a separate assumption.
- Temporary, testing-only — not included in, and not needed by, the delivered fix.

Files: scribusdoc.cpp, scribus.cpp, ui/pagepalette.cpp, ui/pagepalette_masterpages.cpp.