```
=================================================================
==5453==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x6140000cf270 at pc
0x55555611fe7d bp 0x7fffffffa370 sp 0x7fffffffa360
READ of size 8 at 0x6140000cf270 thread T0
    #0 0x55555611fe7c in EditDataProvider::getCurrSubscriber() /home/danny/programs/code-
art/rtgui/edit.cc:1161
    #1 0x55555611f605 in EditSubscriber::isCurrentSubscriber() /home/danny/programs/code-
art/rtgui/edit.cc:1065
    #2 0x5555567e741b in Spot::on_hide() /home/danny/programs/code-art/rtgui/spot.cc:928
    #3 0x7ffff4482846 in Gtk::Widget_Class::hide_callback(_GtkWidget*) (/usr/lib/x86_64-
linux-gnu/libgtkmm-3.0.so.1+0x3ad846)
    #4 0x7ffff5bc110c in g_closure_invoke (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x1010c)
    #5 0x7ffff5bd412d  (/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x2312d)
    #6 0x7ffff5bdc714 in g_signal_emit_valist (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2b714)
    #7 0x7ffff5bdd12e in g_signal_emit (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2c12e)
    #8 0x7ffff647d284 in gtk_widget_hide (/usr/lib/x86_64-linux-gnu/libgtk-
3.so.0+0x382284)
    #9 0x7ffff4487997 in Gtk::Widget_Class::dispose_vfunc_callback(_GObject*)
(/usr/lib/x86_64-linux-gnu/libgtkmm-3.0.so.1+0x3b2997)
    #10 0x7ffff5bc77e7 in g_object_run_dispose (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x167e7)
    #11 0x7ffff43e82e4 in Gtk::Container_Class::forall_vfunc_callback(_GtkContainer*,
int, void (*)(_GtkWidget*, void*), void*) (/usr/lib/x86_64-linux-gnu/libgtkmm-
3.0.so.1+0x3132e4)
    #12 0x7ffff6264d2d  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x169d2d)
    #13 0x7ffff5bc1020 in g_closure_invoke (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x10020)
    #14 0x7ffff5bd41d1  (/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x231d1)
    #15 0x7ffff5bdc714 in g_signal_emit_valist (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2b714)
    #16 0x7ffff5bdd12e in g_signal_emit (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2c12e)
    #17 0x7ffff647d4eb  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x3824eb)
    #18 0x7ffff5bc77e7 in g_object_run_dispose (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x167e7)
    #19 0x7ffff621b38b  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x12038b)
    #20 0x7ffff43e82e4 in Gtk::Container_Class::forall_vfunc_callback(_GtkContainer*,
int, void (*)(_GtkWidget*, void*), void*) (/usr/lib/x86_64-linux-gnu/libgtkmm-
3.0.so.1+0x3132e4)
    #21 0x7ffff6264d2d  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x169d2d)
    #22 0x7ffff5bc1020 in g_closure_invoke (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x10020)
    #23 0x7ffff5bd41d1  (/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x231d1)
    #24 0x7ffff5bdc714 in g_signal_emit_valist (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2b714)
    #25 0x7ffff5bdd12e in g_signal_emit (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2c12e)
    #26 0x7ffff647d4eb  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x3824eb)
    #27 0x7ffff5bc77e7 in g_object_run_dispose (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x167e7)
    #28 0x7ffff621b38b  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x12038b)
    #29 0x7ffff43e82e4 in Gtk::Container_Class::forall_vfunc_callback(_GtkContainer*,
int, void (*)(_GtkWidget*, void*), void*) (/usr/lib/x86_64-linux-gnu/libgtkmm-
3.0.so.1+0x3132e4)
    #30 0x7ffff6264d2d  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x169d2d)
    #31 0x7ffff5bc1020 in g_closure_invoke (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x10020)
    #32 0x7ffff5bd41d1  (/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x231d1)
    #33 0x7ffff5bdc714 in g_signal_emit_valist (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2b714)
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    #34 0x7ffff5bdd12e in g_signal_emit (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2c12e)
    #35 0x7ffff647d4eb  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x3824eb)
    #36 0x7ffff5bc5fa2 in g_object_unref (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x14fa2)
    #37 0x7ffff6263288 in gtk_container_remove (/usr/lib/x86_64-linux-gnu/libgtk-
3.so.0+0x168288)
    #38 0x7ffff63b2aef  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x2b7aef)
    #39 0x7ffff43e8c74 in Gtk::Container_Class::remove_callback_normal(_GtkContainer*,
_GtkWidget*) (/usr/lib/x86_64-linux-gnu/libgtkmm-3.0.so.1+0x313c74)
    #40 0x7ffff5bc42e8 in g_cclosure_marshal_VOID__OBJECTv
(/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x132e8)
    #41 0x7ffff5bc1345  (/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x10345)
    #42 0x7ffff5bdc9fe in g_signal_emit_valist (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2b9fe)
    #43 0x7ffff5bdd12e in g_signal_emit (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2c12e)
    #44 0x7ffff6263275 in gtk_container_remove (/usr/lib/x86_64-linux-gnu/libgtk-
3.so.0+0x168275)
    #45 0x7ffff647d412  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x382412)
    #46 0x7ffff5bc77e7 in g_object_run_dispose (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x167e7)
    #47 0x7ffff63b2ec0  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x2b7ec0)
    #48 0x7ffff5bc1020 in g_closure_invoke (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x10020)
    #49 0x7ffff5bd41d1  (/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x231d1)
    #50 0x7ffff5bdc714 in g_signal_emit_valist (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2b714)
    #51 0x7ffff5bdd12e in g_signal_emit (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2c12e)
    #52 0x7ffff647d4eb  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x3824eb)
    #53 0x7ffff5bc77e7 in g_object_run_dispose (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x167e7)
    #54 0x7ffff63566e7  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x25b6e7)
    #55 0x7ffff6264d2d  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x169d2d)
    #56 0x7ffff5bc1020 in g_closure_invoke (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x10020)
    #57 0x7ffff5bd41d1  (/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x231d1)
    #58 0x7ffff5bdc714 in g_signal_emit_valist (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2b714)
    #59 0x7ffff5bdd12e in g_signal_emit (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2c12e)
    #60 0x7ffff647d4eb  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x3824eb)
    #61 0x7ffff5bc77e7 in g_object_run_dispose (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x167e7)
    #62 0x7ffff44b4ae7 in Gtk::Object::_release_c_instance()
(/usr/lib/x86_64-linux-gnu/libgtkmm-3.0.so.1+0x3dfae7)
    #63 0x7ffff44275db in Gtk::Notebook::~Notebook() (/usr/lib/x86_64-linux-gnu/libgtkmm-
3.0.so.1+0x3525db)
    #64 0x7ffff4427648 in Gtk::Notebook::~Notebook() (/usr/lib/x86_64-linux-gnu/libgtkmm-
3.0.so.1+0x352648)
    #65 0x55555687f7be in ToolPanelCoordinator::~ToolPanelCoordinator()
/home/danny/programs/code-art/rtgui/toolpanelcoord.cc:339
    #66 0x55555687fa3b in ToolPanelCoordinator::~ToolPanelCoordinator()
/home/danny/programs/code-art/rtgui/toolpanelcoord.cc:341
    #67 0x55555613d64c in EditorPanel::~EditorPanel()
/home/danny/programs/code-art/rtgui/editorpanel.cc:888
    #68 0x55555613e0cf in EditorPanel::~EditorPanel()
/home/danny/programs/code-art/rtgui/editorpanel.cc:932
    #69 0x7ffff58c899a in g_datalist_clear (/usr/lib/x86_64-linux-gnu/libglib-
2.0.so.0+0x2e99a)
    #70 0x7ffff5bc6011 in g_object_unref (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x15011)
    #71 0x7ffff63566e7  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x25b6e7)
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    #72 0x7ffff6264d2d  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x169d2d)
    #73 0x7ffff5bc1020 in g_closure_invoke (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x10020)
    #74 0x7ffff5bd41d1  (/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x231d1)
    #75 0x7ffff5bdc714 in g_signal_emit_valist (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2b714)
    #76 0x7ffff5bdd12e in g_signal_emit (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2c12e)
    #77 0x7ffff647d4eb  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x3824eb)
    #78 0x7ffff5bc77e7 in g_object_run_dispose (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x167e7)
    #79 0x7ffff64894c8  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x38e4c8)
    #80 0x7ffff43e82e4 in Gtk::Container_Class::forall_vfunc_callback(_GtkContainer*,
int, void (*)(_GtkWidget*, void*), void*) (/usr/lib/x86_64-linux-gnu/libgtkmm-
3.0.so.1+0x3132e4)
    #81 0x7ffff6264d2d  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x169d2d)
    #82 0x7ffff5bc110c in g_closure_invoke (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x1010c)
    #83 0x7ffff5bd41d1  (/usr/lib/x86_64-linux-gnu/libgobject-2.0.so.0+0x231d1)
    #84 0x7ffff5bdc714 in g_signal_emit_valist (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2b714)
    #85 0x7ffff5bdd12e in g_signal_emit (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x2c12e)
    #86 0x7ffff647d4eb  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x3824eb)
    #87 0x7ffff6491007  (/usr/lib/x86_64-linux-gnu/libgtk-3.so.0+0x396007)
    #88 0x7ffff5bc77e7 in g_object_run_dispose (/usr/lib/x86_64-linux-gnu/libgobject-
2.0.so.0+0x167e7)
    #89 0x7ffff448e73f in Gtk::Window::_release_c_instance()
(/usr/lib/x86_64-linux-gnu/libgtkmm-3.0.so.1+0x3b973f)
    #90 0x7ffff448ed5b in Gtk::Window::~Window() (/usr/lib/x86_64-linux-gnu/libgtkmm-
3.0.so.1+0x3b9d5b)
    #91 0x5555567744dc in RTWindow::~RTWindow()
/home/danny/programs/code-art/rtgui/rtwindow.cc:452
    #92 0x55555677454d in RTWindow::~RTWindow()
/home/danny/programs/code-art/rtgui/rtwindow.cc:468
    #93 0x5555564f062c in std::default_delete<RTWindow>::operator()(RTWindow*) const
/usr/include/c++/7/bits/unique_ptr.h:78
    #94 0x5555564f03cc in std::unique_ptr<RTWindow, std::default_delete<RTWindow>
>::~unique_ptr() /usr/include/c++/7/bits/unique_ptr.h:263
    #95 0x5555564ede03 in main /home/danny/programs/code-art/rtgui/main.cc:566
    #96 0x7ffff11a5b96 in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x21b96)
    #97 0x555555ecbc59 in _start (/home/danny/programs/art-master-debug/ART+0x977c59)

Address 0x6140000cf270 is a wild pointer.
SUMMARY: AddressSanitizer: heap-buffer-overflow
/home/danny/programs/code-art/rtgui/edit.cc:1161 in EditDataProvider::getCurrSubscriber()
Shadow bytes around the buggy address:
  0x0c2880011df0: 00 00 00 00 00 00 00 00 00 00 05 fa fa fa fa fa
  0x0c2880011e00: fa fa fa fa fa fa fa fa 00 00 00 00 00 00 00 00
  0x0c2880011e10: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
  0x0c2880011e20: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
  0x0c2880011e30: 00 00 00 00 00 00 00 00 00 00 00 00 00 04 fa fa
=>0x0c2880011e40: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa[fa]fa
  0x0c2880011e50: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
  0x0c2880011e60: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
  0x0c2880011e70: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
  0x0c2880011e80: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
  0x0c2880011e90: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa
Shadow byte legend (one shadow byte represents 8 application bytes):
  Addressable:           00
  Partially addressable: 01 02 03 04 05 06 07
  Heap left redzone:       fa
  Freed heap region:       fd
  Stack left redzone:      f1
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  Stack mid redzone:       f2
  Stack right redzone:     f3
  Stack after return:      f5
  Stack use after scope:   f8
  Global redzone:          f9
  Global init order:       f6
  Poisoned by user:        f7
  Container overflow:      fc
  Array cookie:            ac
  Intra object redzone:    bb
  ASan internal:           fe
  Left alloca redzone:     ca
  Right alloca redzone:    cb
==5453==ABORTING
[Thread 0x7fff8617f700 (LWP 12533) exited]
[Thread 0x7fff6586c700 (LWP 12532) exited]
[Thread 0x7fff7d182700 (LWP 12531) exited]
[Thread 0x7fff6486a700 (LWP 12530) exited]
[Thread 0x7fffe165a700 (LWP 5461) exited]
[Thread 0x7fffe1e5b700 (LWP 5460) exited]
[Thread 0x7fffe2acd700 (LWP 5459) exited]
[Thread 0x7fffe32ce700 (LWP 5458) exited]
[Thread 0x7ffff7fa7040 (LWP 5453) exited]
[Inferior 1 (process 5453) exited with code 01]
(gdb) q
```