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Subject: Hidden Panic

Posted by [mrjt](#) on Thu, 25 Jun 2009 14:31:23 GMT

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I have come across a problem with the Panic message box on X11, basically the same problem I had with Prompts. If there is a window with TopMost set on it in front of the Panic window it is impossible to read or click on.

Clearly the best solution would be to stop it crashing, but the modification below is a decent second best:

```
static void sPanicMessageBox(const char *title, const char *text)
{
    GuiLock __;
    Ctrl::ReleaseCtrlCapture();
    XDisplay *display = XOpenDisplay(NULL);
    if(!display)
        return;
    int screen = DefaultScreen(display);
    int x = (DisplayWidth(display, screen) - 600) / 2;
    int y = (DisplayHeight(display, screen) - 120) / 2;
    Window win = XCreateSimpleWindow(display, RootWindow(display, screen),
                                     x, y, 600, 120, 4,
                                     BlackPixel(display, screen),
                                     WhitePixel(display, screen));

    XSizeHints size_hints;
    size_hints.flags = PPosition|PSize|PMinSize;
    size_hints.x = x;
    size_hints.y = y;
    size_hints.width = 600;
    size_hints.height = 120;
    size_hints.min_width = 600;
    size_hints.min_height = 120;
    char *h[1];
    char hh[1];
    *hh = 0;
    h[0] = hh;
    XSetStandardProperties(display, win, title, title, None, h, 0, &size_hints);
    XSelectInput(display, win,
    ExposureMask|KeyPressMask|ButtonPressMask|StructureNotifyMask);
    XGCValues values;
    GC gc = XCreateGC(display, win, 0, &values);
    // New section
    unsigned long wina[1];
    wina[0] = XAtom("_NET_WM_STATE_ABOVE");
    XChangeProperty(display, win, XAtom("_NET_WM_STATE"), XAtom("ATOM"), 32,
        PropModeReplace, (const unsigned char *)&wina, 1);
    XMapWindow(display, win);
```

```

XSetInputFocus(display, win, RevertToParent, CurrentTime);
// End section
XRaiseWindow(display, win);
XFontStruct *font_info = XQueryFont(display, XGContextFromGC(gc));
for(;;) {
    XEvent e;
    XNextEvent(display, &e);
    switch(e.type) {
    case ButtonPress:
        XFreeFont(display, font_info);
        XFreeGC(display, gc);
        XCloseDisplay(display);
#ifdef _DEBUG
        __BREAK__;
#endif
        return;
    case Expose:
        int y = 20;
        const char *b = text;
        for(;;) {
            const char *e = strchr(b, '\n');
            if(!e) break;
            XDrawString(display, win, gc, 20, y, b, e - b);
            y += font_info->max_bounds.ascent + font_info->max_bounds.descent;
            b = e + 1;
        }
        XDrawString(display, win, gc, 20, y, b, strlen(b));
        break;
    }
}
}
}

```

This ensures the window is both topmost and raised to the front of the stack. Could this be committed please?

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Subject: Re: Hidden Panic

Posted by [mirek](#) on Thu, 25 Jun 2009 16:53:07 GMT

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Sure.

Mirek

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