Subject: Compiz fix
Posted by kodos on Fri, 10 Apr 2009 15:32:02 GMT
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Hi,

I don't know how the standard settings are in other Linux distributions but at least in Ubuntu the standard settings for compiz is to use the Animation plugin, an they have different animations for top level windows and "other" windows (like popupmenus and other things). So for example if you open the file menu in TheIDE it looks weird. Compiz decides what animation it should use according to its type.

I have hacked a quick fix which works for me, but it isn't really nice, because I just set every window which is created with redirect==true to be a popup menu. I'm afraid I don't know how I could detect in the Create method which sort of window actually is created and set type correctly.

EDIT: The patch is for the CtrlCore/X11Wnd.cpp file
EDIT2: And a link which shows every type a WM should understand:
http://standards.freedesktop.org/wm-spec/1.4/ar01s05.html
A correct fix would probably use those types.

File Attachments
1) patch, downloaded 636 times

Subject: Re: Compiz fix
Posted by mirek on Tue, 14 Apr 2009 17:57:01 GMT
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kodos wrote on Fri, 10 April 2009 11:32Hi,

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EDIT2: And a link which shows every type a WM should understand:
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A correct fix would probably use those types.

Thanks, applied.

I guess that for really good fix, we will have to add "type hint" to Ctrl (MENU, TOOLTIP, DROPLIST etc...) and call it appropriately... (with some reasonable default).

Mirek

Subject: Re: Compiz fix
Posted by phirox on Mon, 20 Apr 2009 13:20:16 GMT
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Also related to compiz. With the latest svn version I have this bug that characters I type sometimes get multiplied. "LLikke thisss when youu ttype".

I was wondering if anyone else noticed this.

I'll check tonight if it is a specific compiz module that causes this, and if I can find out which reversion it started occuring.

Subject: Re: Compiz fix
Posted by mirek on Fri, 24 Apr 2009 08:42:54 GMT
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phirox wrote on Mon, 20 April 2009 09:20Also related to compiz. With the latest svn version I have this bug that characters I type sometimes get multiplied. "LLikke thisss when youu ttype".

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R807 there was accepted related submitted patch...

The file is CtrlCore/X11Proc.cpp.

(Use svn history in theide).

Mirek

Subject: Re: Compiz fix
Posted by phirox on Fri, 24 Apr 2009 18:07:26 GMT
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luzr wrote on Fri, 24 April 2009 10:42
R807 there was accepted related submitted patch...

The file is CtrlCore/X11Proc.cpp.

(Use svn history in theide).

Mirek

Thanks for pointing me in the right direction. My problem was fixed by removing the newly added code. Basically the following code has been put around the ev1 part:

```
 if(ev1->type == KeyPress)
  *ev2 = *ev1;
 else {
  ...
 }
```

My guess is that it is an attempt at speeding up things but somehow the IsWaitingEvent() call is too important to skip.

Subject: Re: Compiz fix
Posted by mirek on Sat, 25 Apr 2009 08:47:25 GMT
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phirox wrote on Fri, 24 April 2009 14:07luzr wrote on Fri, 24 April 2009 10:42
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(Use svn history in theide).

Mirek

Thanks for pointing me in the right direction. My problem was fixed by removing the newly added code. Basically the following code has been put around the ev1 part:

```
 if(ev1->type == KeyPress)
  *ev2 = *ev1;
 else {
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```

My guess is that it is an attempt at speeding up things but somehow the IsWaitingEvent() call is too important to skip.

Well, in fact, now I remember, it was not accepted patch, but my fix.

I believe the problem to fix is that some X11 systems, in case of autorepeat, put series of "KeyPress/KeyRelease" pairs, while others (and especially those with compiz enabled) only series of KeyPress.

I would like to find a reason for doubling characters before reversing the change. Maybe you could activate LLOGs (at the beginning of file) to see what is going on?

Mirek

Subject: Re: Compiz fix
Posted by mirek on Sat, 25 Apr 2009 09:13:02 GMT
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OK, thinking about the issue, maybe this patch might help:

```
 case KeyPress:
  pressed = true;
  LLOG("event type:" << event->type << " state:" << event->xkey.state <<
       "keycode:" << event->xkey.keycode);
  for(;;) {
   XEvent ev1[1], ev2[1];
   bool hasev2 = false;
   if(!IsWaitingEvent()) break;
   do
    XNextEvent(Xdisplay, ev1);
   while(ev1->type == NoExpose && IsWaitingEvent());
   LLOG("ev1 type:" << ev1->type << " state:" << ev1->xkey.state <<
        "keycode:" << ev1->xkey.keycode);
   if(ev1->type == KeyPress)
    *ev2 = *ev1;
   else {
    if(ev1->type != KeyRelease ||
       ev1->xkey.state != event->xkey.state ||
       ev1->xkey.keycode != event->xkey.keycode ||
       !IsWaitingEvent()) {
        XPutBackEvent(Xdisplay, ev1);
        break;
    }
    do
     XNextEvent(Xdisplay, ev2);
    while(ev2->type == NoExpose && IsWaitingEvent());
    LLOG("ev2 type:" << ev2->type << " state:" << ev2->xkey.state <<
         "keycode:" << ev2->xkey.keycode);
```

```
    hasev2 = true;
   }
   if(ev2->type != KeyPress ||
      ev2->xkey.state != event->xkey.state ||
      ev2->xkey.keycode != event->xkey.keycode) {
    if(hasev2)
     XPutBackEvent(Xdisplay, ev2);
    XPutBackEvent(Xdisplay, ev1);
    break;
   }
   else {
    XFilterEvent(ev1, None);
    if(hasev2)
     XFilterEvent(ev2, None);
   }
   count++;
  }
 case KeyRelease: {
```

Please try. (It is on svn too).

Mirek

Subject: Re: Compiz fix
Posted by phirox on Sat, 25 Apr 2009 10:40:15 GMT
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Ok, I tried the one from the svn. And it works great! Actually a bit faster then before, because I don't see any weird delays occurring anymore while typing.

FYI here is an excerpt from the log where I typed some strings and undid them:

```
12:36:29   KEYUP Space
12:36:29   CHAR 'f' (102)
12:36:29   -> 12AssistEditor ("ide - GUI - TheIDE -
[/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8 *] { uppsvn }")
12:36:29   CHAR 'a' (97)
12:36:29   -> 12AssistEditor ("ide - GUI - TheIDE -
[/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8 *] { uppsvn }")
12:36:29   CHAR 's' (115)
12:36:29   -> 12AssistEditor ("ide - GUI - TheIDE -
[/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8 *] { uppsvn }")
12:36:30   CHAR 't' (116)
12:36:30   -> 12AssistEditor ("ide - GUI - TheIDE -
[/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8 *] { uppsvn }")
12:36:30   CHAR '.' (46)
```

12:36:30 -> 12AssistEditor ("ide - GUI - TheIDE - [/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8 *] { uppsvn }")
12:36:30 KEY Shift
12:36:30 CHAR "" (34)
12:36:34 KEY Ctrl
12:36:34 KEY Ctrl+Z
12:36:34 -> 12AssistEditor ("ide - GUI - TheIDE - [/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8 *] { uppsvn }")
12:36:34 KEYUP Ctrl+Z
12:36:34 KEY Ctrl+Z
12:36:34 -> 12AssistEditor ("ide - GUI - TheIDE - [/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8 *] { uppsvn }")
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12:36:35 KEYUP Ctrl+Z
12:36:36 KEYUP Ctrl
12:36:36 -> 3Ide "ide - GUI - TheIDE - [/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8 *] { uppsvn }"
12:36:36 KEY Ctrl
12:36:36 KEY Ctrl+Z
12:36:36 -> 12AssistEditor ("ide - GUI - TheIDE - [/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8 *] { uppsvn }")
12:36:37 KEYUP Ctrl+Z
12:36:37 KEY Ctrl+Z
12:36:37 -> 12AssistEditor ("ide - GUI - TheIDE - [/home/phirox/uppsvn/uppsrc/CtrlCore/X11Proc.cpp UTF-8] { uppsvn }")
12:36:37 KEYUP Ctrl+Z
12:36:37 KEY Ctrl+Z
12:36:37 HOT-> N3Upp14TopSubMenuItemE : 0xb5570b18(parent N3Upp7BarPaneE)
12:36:37 KEY Ctrl+Z
12:36:37 HOT-> N3Upp14TopSubMenuItemE : 0xb5570b18(parent N3Upp7BarPaneE)
12:36:37 KEY Ctrl+Z
12:36:37 HOT-> N3Upp14TopSubMenuItemE : 0xb5570b18(parent N3Upp7BarPaneE)
12:36:37 KEY Ctrl+Z
12:36:37 HOT-> N3Upp14TopSubMenuItemE : 0xb5570b18(parent N3Upp7BarPaneE)
12:36:37 KEY Ctrl+Z
12:36:37 HOT-> N3Upp14TopSubMenuItemE : 0xb5570b18(parent N3Upp7BarPaneE)
12:36:37 KEY Ctrl+Z
12:36:37 HOT-> N3Upp14TopSubMenuItemE : 0xb5570b18(parent N3Upp7BarPaneE)
12:36:37 KEY Ctrl+Z
12:36:37 HOT-> N3Upp14TopSubMenuItemE : 0xb5570b18(parent N3Upp7BarPaneE)
12:36:37 KEY Ctrl+Z
12:36:37 HOT-> N3Upp14TopSubMenuItemE : 0xb5570b18(parent N3Upp7BarPaneE)
12:36:37 KEY Ctrl+Z

12:36:37 HOT-> N3Upp14TopSubMenuItemE : 0xb5570b18(parent N3Upp7BarPaneE)
12:36:37 KEYUP Ctrl+Z
12:36:37 KEYUP Ctrl

Subject: Re: Compiz fix
Posted by mirek on Sat, 25 Apr 2009 11:15:37 GMT
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phirox wrote on Sat, 25 April 2009 06:40Ok, I tried the one from the svn. And it works great! Actually a bit faster then before, because I don't see any weird delays occurring anymore while typing.

That is good news, thanks for reporting.

Mirek
