

Smuxi Issues [FROZEN ARCHIVE] - Bug # 579: Window manager warning: last_user_time (1300750940) is greater than comparison timestamp (4956744)

Status:	Closed	Priority:	Normal
Author:	Mirco Bauer	Category:	Frontend GNOME
Created:	03/21/2011	Assigned to:	Mirco Bauer
Updated:	03/31/2011	Due date:	
Complexity:			
Subject:	Window manager warning: last_user_time (1300750940) is greater than comparison timestamp (4956744)		
Description:	<p>In .xsession-errors I found this:</p> <pre>Window manager warning: last_focus_time (1300750862) is greater than comparison timestamp (4830419). This most likely represents a buggy client sending inaccurate timestamps in messages such as _NET_ACTIVE_WINDOW. Trying to work around... Window manager warning: last_user_time (1300750862) is greater than comparison timestamp (4830419). This most likely represents a buggy client sending inaccurate timestamps in messages such as _NET_ACTIVE_WINDOW. Trying to work around... Window manager warning: 0x180013e (#smuxi @ 0) appears to be one of the offending windows with a timestamp of 1300750862. Working around... Window manager warning: last_focus_time (1300750940) is greater than comparison timestamp (4956744). This most likely represents a buggy client sending inaccurate timestamps in messages such as _NET_ACTIVE_WINDOW. Trying to work around... Window manager warning: last_user_time (1300750940) is greater than comparison timestamp (4956744). This most likely represents a buggy client sending inaccurate timestamps in messages such as _NET_ACTIVE_WINDOW. Trying to work around... Window manager warning: 0x3a000f0 (Smuxi) appears to be one of the offending windows with a timestamp of 1300750940. Working around... </pre>		
Sound like Smuxi is sending wrong (way too high) timestamps			

Associated revisions

03/31/2011 09:25 PM - Mirco Bauer

[Frontend-GNOME] Fixed last_focus_time window manager warnings (closes: #579)

<rant>

The API interaction of GTK+, X11 and freedesktop's notifications are driving me nuts. The window manager will only move the focus of a window to another if the timestamp of the event is new enough. And here begins the road of insanity.

The notification DBus API is not exposing the timestamp of the clicked action button, neither is it possible to obtain the current timestamp of GTK as it only exposes the timestamp of the currently _processed_ event via gtk_get_current_event_time() [0] and guess what, as this is a D-Bus callback gtk_get_current_event() is NULL and thus gtk_get_current_event_time() returns 0. Of course the window focus will not change with a 0 timestamp. And no, you can't just pass a unix timestamp here or something sane because then the window manager will go crazy like this:

Window manager warning: last_focus_time (1300750862) is greater than comparison timestamp (4830419). This most likely represents a buggy client sending inaccurate timestamps in messages such as _NET_ACTIVE_WINDOW. Trying to work around...

Window manager warning: last_user_time (1300750862) is greater than comparison timestamp (4830419). This most likely represents a buggy client sending inaccurate timestamps in messages such as _NET_ACTIVE_WINDOW. Trying to work around...

After that it will stop to change the focus of any window for a while.... yay

The only way to "fix" this issue would be to fetch the current timestamp of X11 which is not possible with GTK+ because it only gets exposed by GDK's X11 specific API [1] which is not exposed at all in GTK#.

So we will have to live with this annoyance for now and not pass a timestamp and use `gtk_window_present()` [2] instead.

Alternative would be to P/Invoke `libgdk-x11-2.0.so` directly which I am really not in the mood for.

</rant>

[0] <http://library.gnome.org-devel/gtk/stable/GtkWindow.html#gtk-window-present-with-time>

[1] <http://library.gnome.org-devel/gdk/stable/gdk-X-Window-System-Interaction.html#gdk-x11-get-server-time>

[2] <http://library.gnome.org-devel/gtk/stable/GtkWindow.html#gtk-window-present>

History

03/31/2011 09:56 PM - Mirco Bauer

- *Status changed from New to Closed*
- *% Done changed from 0 to 100*

Applied in changeset commit:"`cc438f622984246191e5aabc6c5633d97f99b629`".