S2_6 gtk3-client gtkpixcomm code does not build with gcc-11

2020-11-27 11:49 AM - Marko Lindqvist

Status: Closed
Priority: Normal
Assignee: Marko Lindqvist
Category: gui-gtk-3
Sprint/Milestone: 2.6.4

Description
Building S2_6 gtk3-client gtkpixcomm stuff fails with gcc-11. I think the problem is in gtk+ headers, and not in freeciv code. That code is so badly deprecated, that I'm worried that upstream may not fix it any more. Maybe we need to backport changes needed for getting rid of gtkpixcomm to S2_6?

Related issues:
- Blocked by Feature #904733: S2_6 gtk3: Use GtkImage for indicator i... Closed
- Blocked by Feature #905530: S2_6 gtk3: Use GtkImage instead of GtkP... Closed
- Blocked by Feature #906210: S2_6 gtk3: Use GtkImage instead of GtkP... Closed
- Blocked by Feature #906539: S2_6 gtk3: Use GtkImage instead of GtkP... Closed
- Blocked by Feature #906866: S2_6 gtk3: Replace GtkPixcomm based put... Closed
- Blocked by Feature #908748: S2_6 gtk3: Use GtkImage instead of GtkP... Closed
- Blocked by Feature #910393: S2_6 gtk3: Use GtkImage instead of GtkP... Closed
- Blocks Freeciv - Task #911624: Release 2.6.4 Closed 2021-04-01 2021-04-02

History
#1 - 2020-12-09 09:39 PM - Marko Lindqvist
- Blocked by Feature #904733: S2_6 gtk3: Use GtkImage for indicator icons instead of GtkPixcomm added

#2 - 2020-12-12 03:56 AM - Marko Lindqvist
- Blocked by Feature #905530: S2_6 gtk3: Use GtkImage instead of GtkPixcomm for diplomacy dialog flags added

#3 - 2020-12-15 01:23 AM - Marko Lindqvist
- Blocked by Feature #906210: S2_6 gtk3: Use GtkImage instead of GtkPixcomm for happiness dialog added

#4 - 2020-12-16 01:18 AM - Marko Lindqvist
- Blocked by Feature #906539: S2_6 gtk3: Use GtkImage instead of GtkPixcomm for left panel unit icons added

#5 - 2020-12-17 12:26 AM - Marko Lindqvist
- Blocked by Feature #906866: S2_6 gtk3: Replace GtkPixcomm based put_unit_gpixmap_city_overlays() with GtkImage based solutions added

#6 - 2020-12-17 02:06 AM - Marko Lindqvist
Marko Lindqvist wrote:

That code is so badly deprecated, that I'm worried that upstream may not fix it any more.

OTOH, glib development snapshot 2.67.1 news in https://ftp.acc.umu.se/pub/GNOME/sources/glib/2.67/glib-2.67.1.news has an item that might affect that error:
"Remove ‘volatile’ from various public APIs, including ‘G_DEFINE_*’. You should adjust your code to not use ‘volatile’ for atomic variables, ‘GOnce’ variables, or mostly anything else (see http://isvolatileusefulwiththreads.in/c/). (#600)"

#7 - 2020-12-17 03:20 AM - Marko Lindqvist
From the original gna ticket about getting rid of gtkpixcomm ( https://web.archive.org/web/20170307062859/http://gna.org/patch?76938 ), comments about why this was not done to S2_6 gtk3-client back then (here 'trunk' -> 3.0, "gtk3x-client" -> gtk3.22-client):

I've been thinking about the S2_6 case.
- Introducing this patch series there is almost guaranteed to open up some corner cases. That's not nice in a branch that should be stabilizing already
- I'm worried that not introducing this series might cause us some trouble during the lifetime of S2_6. Yet, I can't say what exactly could break
- In trunk I'm about to bump minimum gtk3 version to 3.10, so that all the converting back and forth between formats can be avoided (implementations similar to gtk3x-client could be used). However, since S2_6 has msys1 as windows build environment, and the currently known good gtk3 package for it is 3.8, we can't bump requirement in S2_6 -> we would be stuck with the poor implementation.

Mainly because of the last point I'm removing S2_6 target from this.

#8 - 2020-12-23 06:57 AM - Marko Lindqvist
- Blocked by Feature #908748: S2_6 gtk3: Use GtkImage instead of GtkPixcomm for citydlg citizen bar added

#9 - 2020-12-27 05:21 PM - Marko Lindqvist
- Blocked by Feature #910393: S2_6 gtk3: Use GtkImage instead of GtkPixcomm for help item added

#10 - 2020-12-27 05:27 PM - Marko Lindqvist
- File 0028-gtk3-Drop-obsolete-gtkpixcomm-module.patch added
- Status changed from New to Resolved
- Sprint/Milestone set to 2.6.4

#11 - 2020-12-31 02:17 PM - Marko Lindqvist
- Blocks Task #911624: Release 2.6.4 added

#12 - 2021-01-10 07:50 AM - Marko Lindqvist
- Status changed from Resolved to Closed
- Assignee set to Marko Lindqvist

Files

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<td>2020-12-27</td>
<td>Marko Lindqvist</td>
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