
Subject: Re: Upp 2007.1beta2 released
Posted by [mirek](#) on Thu, 25 Jan 2007 11:28:29 GMT
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guido wrote on Thu, 25 January 2007 06:10

Didn't understand how you calculated the style offset, as the data we are interested in starts right at offset 0.

I am afraid this is not correct. The structure we are interested in is GtkStyle. While API docs list is as if offset is 0, in .h there is:

```
struct _GtkStyle
{
    GObject parent_instance;

    /*< public >*/

    GdkColor fg[5];
    GdkColor bg[5];
    GdkColor light[5];
    GdkColor dark[5];
    GdkColor mid[5];
    GdkColor text[5];
    GdkColor base[5];
    GdkColor text_aa[5]; /* Halfway between text/base */

    GdkColor black;
    GdkColor white;
    PangoFontDescription *font_desc;

    gint xthickness;
    gint ythickness;

    GdkGC *fg_gc[5];
    GdkGC *bg_gc[5];
    GdkGC *light_gc[5];
    GdkGC *dark_gc[5];
    GdkGC *mid_gc[5];
    GdkGC *text_gc[5];
    GdkGC *base_gc[5];
    GdkGC *text_aa_gc[5];
    GdkGC *black_gc;
    GdkGC *white_gc;

    GdkPixmap *bg_pixmap[5];
```

```
/*< private >*/

gint attach_count;

gint depth;
GdkColormap *colormap;
GdkFont *private_font;
PangoFontDescription *private_font_desc; /* Font description for style->private_font or %NULL */

/* the RcStyle from which this style was created */
GtkRcStyle *rc_style;

GSList *styles; /* of type GtkStyle* */
GArray *property_cache;
GSList *icon_factories; /* of type GtkIconFactory* */
};
```

I agree that introducing fixed offset is too fragile solution. I am afraid that only correct way is to include gtk headers. Very unhappy about that...

(Alternative solution would be to check gtk version and have table of offsets.... but that is quite fragile as well).

Mirek
