

WarpStock Europe 2017

**Styler &
Cairo graphics
for OS/2**

20-21 May 2017,
Rotterdam, The Netherlands

Some words about myself

- Using OS/2 since 2.0 betas
- Open source programs
- Commercial programs
- Freelance developer
- Teacher

Styler&Cairo – Why?

- Old style title bar painting (W3,W4,eCS)



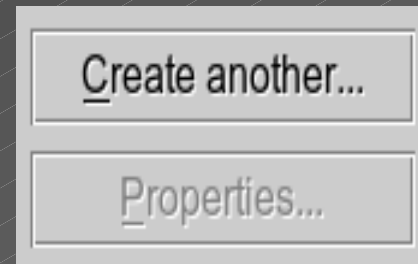
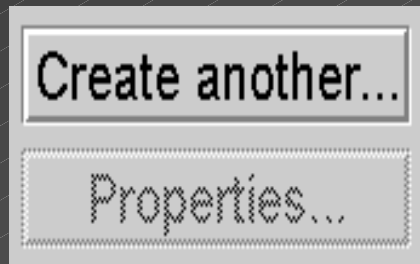
- New style (cairo graphics)



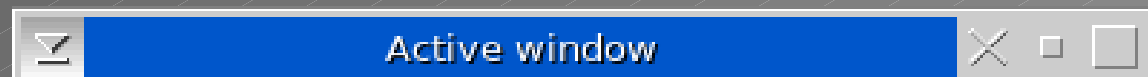
- Text anti aliasing, UTF-8 texts

Styler&Cairo – What else

- Push buttons



- Titlebar buttons



Styler&Cairo – Why cairo?

- Powerfull graphics engine
- Text anti aliasing
- Transparency support
- Used in Firefox
- Code up-to-date

Styler&Cairo – Code sample

```
// DRAW PATTERN
pattern = cairo_pattern_create_linear( 0.0, 0.0, 0, p->size.cy);
cairo_rectangle( cr, 0.0, 0.0, p->size.cx, p->size.cy);
cairo_set_source( cr, pattern);
cairo_fill( cr);
// draw text shadow
cairo_move_to( cr, fx + 1, fy + 1);
cairo_set_source_rgb( cr, RED(colorShadow) / 255.0,
                    GREEN(colorShadow) / 255.0,
                    BLUE(colorShadow) / 255.0);
cairo_show_text( cr, title);
if (underline > 0) {
    cairo_get_current_point( cr, &px, &py);
    cairo_set_line_width(cr, 1.0);
    cairo_rel_move_to( cr, 1, 3);
    cairo_rel_line_to( cr, underline, 0);
    cairo_stroke (cr);
    cairo_move_to( cr, px, py);
}
cairo_show_text( cr, title);
```

Styler&Cairo – What is not working?

- Icon push buttons
- Bitmaps for buttons backgrounds
- Font mapping
- Stack issues

Styler&Cairo – Development progress

- Radio & checkboxes
- Window list replacement
- Other Presentation Manager controls

Styler&Cairo

- Question and answers

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THANK YOU FOR ATTENDING!

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