Free Software stack for Unicode Text Rendering

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Agenda

- Introduction
- Overview
- Community & Culture
- Bits and Pieces
- Hello World
- Digging Deeper

Intro

- FarsiWeb
- Unicode
- GNOME
- Red Hat

Overview

Flexibility

Licensing

- BSD-Style
- LGPL

Community

- Mailing list
- The team
- Bugzilla
- IRC
- Releases

Bits & Pieces

FreeType

Fontconfig

Glib

FriBidi

HarfBuzz

Cairo

Pango

GTK+

Hello World

Demo Time!

Digging Deeper

Consumers

- GUI Toolkits
- Web Browsers
- Word Processors
- Designer Tools
- Font Design Tools
- Terminal Emulators
- Batch Doc Processors
- TeX Engines

Demystifying Fontconfig

- Patterns
- Cache
- Config

Pillars of Pango

- pango_itemize()
- pango_shape()
- pango_break()

Further Down

- Glib
- FreeType
- Fontconfig
- FriBidi
- Cairo
- HarfBuzz

More Demos

- Vertical text
- Online font add/remove
- Automatic font installation

Q?