Ten Years of HarfBuzz

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Google
Pre History

FreeType Layout

Pango

Qt
Early Days

2006Q1 Import FTL code from Pango into HarfBuzz(old)

2006Q4 Start experimental rewrite, called harfbuzz-ng

2007Q1 Qt donated their shapers to HarfBuzz(old)
harfbuzz-ng goals

user-friendly

robust

efficient

threadsafe

portable

featureful
Slow Days

2007 3 commits

2008 25 commits
Faster Days

2009 over 400 commits

2009Q4 HarfBuzz Hackfest at Mozilla Toronto

2009Q4 WebkitGTK+ Hackfest

2010Q2 HarfBuzz Hackfest in Reading, UK

2010 Firefox ships for Latin
Slower then Even Faster Days

2012Q2 HarfBuzz Hackfest at Google Zurich

2012Q3 HarfBuzz Hackfest at Mozilla Toronto

2012Q3 Pango switches over

2012Q4 HarfBuzz Hackfest at Mozilla Vancouver

2012Q4 ChromeOS / Chrome Linux

2012Q4 ICU Layout port
Taking off

2013Q1 HarfBuzz Hackfest at Google London / Mozilla London

2013Q2 Android switches

2013Q4 HarfBuzz Hackfest at Mozilla Paris / Google Paris

~2014 Firefox switches for all scripts

2014Q1 Chrome Windows switches
Maturity

~2015 Chrome Mac switch

2015Q3 HarfBuzz Hackfest at Mozilla London: USE

2015Q3 HarfBuzz 1.0.0

2015Q4 HarfBuzz Hackfest at Mozilla London: Unicode 8.0

2016Q2 HarfBuzz Hackfest at Mozilla London: Unicode 9.0
Future

hb-ot-font

OpenType MATH

OpenType COLR/CPAL, SVG

OpenType Variation Fonts (mutator?)