Guile in 2012

Off the cuff
Quasiconf 2012
Andy Wingo
Greetings!

Andy Wingo
Guile co-maintainer, along with Ludovic Courtès
Guile @ Igalia
Guile

A Scheme implementation

GNU

Mostly written in Scheme (*)

Bytecode interpreter

Complete
Development history

LOC by Language

Zoom: 1yr 3yr 5yr 10yr All

stats from ohloh.net/p/gule
Guile 2.0

2.0.0 released February 2011
2.0.6 a couple months ago
Working on 2.2
Ripe time for navel-gazing
What I love

repl
optargs
pattern matchers
optimizers, speed
multiple values
bytevectors
web, xml modules
What I hate

interpreted backtraces
the evaluator
bootstrap time
docstrings in c
backwards scheme community
What I can’t imagine living without

unicode strings and i/o
“hygiene”
compile-time warnings
paredit
What I fear

long-term psyntax viability
typed languages
static mindset of optimizers
threads
bincompat + macros
ffi interfaces
What I am excited about

ethreads
register vm
native code generation
emacs
What I’m indifferent to

r6rs
r7rs
r5rs
What causes most pain to users

separate compilation and evaluation
install
embedded objects in macro output
values needed at expansion time
eval-when
paths at runtime vs compile-time
read extensions
What I am cautiously optimistic about

threads (in 2.2)

multilang
What I want you to do

Overthrow the tyranny of expediency: start all your new projects in your favorite language!
Questions!

- Guile: http://gnu.org/s/guile/, #guile on freenode
- Words: http://wingolog.org/
- Notes: http://wingolog.org/pub/qc-2012-guile-notes.pdf