The status of PyPy

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Introduction

- What we did in the last year?
- What we achieved?
- Plans for near future

Last year highlights

Last year highlights

JIT

February 2009

- we merge experiments into mainline PyPy

February 2009

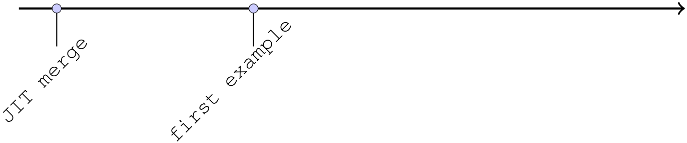
- we merge experiments into mainline PyPy
- compiles assembler, slows things down

March 2009

- first python example works!

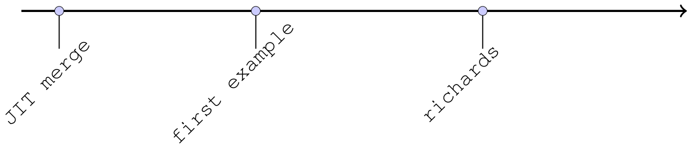
```
i = 0
while i < 1000000:
    i = i + 1
```

September 2009



- we manage to speed first non-trivial benchmark
- **richards** - a simple, object oriented code
- a variety of optimizations involved

February 2010 - now



JIT merge

first example

richards

We run a variety of benchmarks nightly.

Pictures!

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- JIT is fairly good
- can consume a lot of memory
- can recompile code too many times
- GCs are pretty good
- runtime algorithms are not as polished as CPython ones (eg strings, regexes)

Near future

- release March 2010

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- release March 2010
- first PyPy release to contain a working JIT!
- mostly to try it out
- we just got a bit more **EU funding**
- we're actively looking for **sponsoring** to continue PyPy development

Come to my next talk!

speed of PyPy

... or how to write programs that play well with the JIT

That’s all

Thank you for your attention

- http://morepypy.blogspot.com
- http://pypy.org
- http://merlinux.eu
- these slides are already online:
- http://tinyurl.com/pypyslides