The status of PyPy

Maciej Fijałkowski

merlinux GmbH

Pycon 2010, February 20th 2010, Atlanta

Introduction

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

JIT

- We merge experiments into mailine PyPy
- xxx

JIT merge

- first python example works!

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

JIT merge
first example

XXX

Nice graphs

Status

Status of today

- JIT is fairly good

Status

Status of today

- JIT is fairly good
- sometimes can consume a lot of memory

Status

Status of today

- JIT is fairly good
- sometimes can consume a lot of memory
- sometimes keep on compiling all the time

Status

Status of today

- JIT is fairly good
- sometimes can consume a lot of memory
- sometimes keep on compiling all the time
- GCs are pretty good

Status

Status of today

- JIT is fairly good
- sometimes can consume a lot of memory
- sometimes keep on compiling all the time
- GCs are pretty good
- VMs algorithms are not as polished as CPython ones [xxx reword]

- release March 2010

Near future

- release March 2010
- first PyPy release to contain JIT!
- mostly to try it out