Subject: Python for your applications
Posted by bytefield on Sat, 03 Jan 2009 23:31:42 GMT
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Hello,
I was thinking to use python with c++ programs, so I could benefit from python as scripting
language, unicode support, sockets, etc.
I've tried some small test to see how python work with. Python 2.5.2 filled my 3 Gigs of memory in
seconds and also 500 Mb from swap until i've killed it. With python 3 it finished the execution
using just 2.5 MB of memory but it's time is not what i want .
Python timecan@can-laptop:~$ time ./pytest.py

real 6m38.723s
user 6m28.628s
sys 0m0.600s

C++ timecan@can-laptop:~$ time ./cpptest

real 0m4.837s
user 0m4.696s
sys 0m0.020s


```
#!/usr/bin/env python3
# pytest.py
def fun(x):
 return x + 1

for x in range(0,1000000000):
 y = fun(x)
```


```
// cpptest.cpp
int fun(int x)
{
 return x + 1;
}

int main()
{
 for(int y, x = 0; x < 1000000000; x++)
  y = fun(x);
 return 0;
}
```

So, now after seeing those results i'm thinking not to use python embed in application. I'm curious
what will be the results for usc? Hope better

P.S.: I think the test are right, i've tried to not let C++ compiler to optimize it. If someone can provide other test which prove that python is though good as scripting side of a application please post them and try to convince me about the reality