

# Proffy

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Edinburgh TechMeetup  
Wednesday, 9 June 2010

```
const clock_t begin = clock();  
while ((clock() - begin) < 10*CLOCKS_PER_SEC) {  
    std::random_shuffle(  
        values.begin(),  
        values.end());  
    std::sort(  
        values.begin(),  
        values.end());  
}
```

```
Proffy::Launcher profiler(  
    L"C:/path/to/proffy32.exe",  
    L"C:/path/for/results",  
    1.0 / 20);  
const clock_t begin = clock();  
while ((clock() - begin) < 10*CLOCKS_PER_SEC) {  
    std::random_shuffle(  
        values.begin(),  
        values.end());  
    std::sort(  
        values.begin(),  
        values.end());  
}  
profiler.Finish();
```

## Contents of C: /path/for/results:

- AllThreads.xml
- AllThreads.dot
- Thread-NNNN.xml
- Thread-NNNN.dot
- ...

TimeSpent		Symbol
Inclusive	Exclusive	
226	0	<a href="#">SampleTarget32!std:: Sort&lt;int *,int&gt;@22816</a>
103	0	<a href="#">SampleTarget32!main@4096</a>
103	0	<a href="#">SampleTarget32! _tmainCRTStartup@26231</a>
81	0	<a href="#">SampleTarget32!std::sort&lt;std:: Vector_iterator&lt;std:: Vector_val&lt;int,std::allocator&lt;int&gt; &gt; &gt; &gt;@21664</a>
65	40	<a href="#">SampleTarget32!std:: Unguarded_partition&lt;int *&gt;@23584</a>
31	7	<a href="#">SampleTarget32!std::iter_swap&lt;int *,int *&gt;@23488</a>
24	16	<a href="#">SampleTarget32!std::swap&lt;int&gt;@23520</a>
21	9	<a href="#">SampleTarget32!std::random_shuffle&lt;std:: Vector_iterator&lt;std:: Vector_val&lt;int,std::allocator&lt;int&gt; &gt; &gt; &gt;@21584</a>
16	10	<a href="#">SampleTarget32!std:: Insertion_sort1&lt;int *,int&gt;@24880</a>
16	0	<a href="#">SampleTarget32!std:: Insertion_sort&lt;int *&gt;@24304</a>
12	3	<a href="#">SampleTarget32!std:: Random_shuffle&lt;int *,int&gt;@22640</a>
11	11	<a href="#">SampleTarget32!std::forward&lt;int * &amp;&gt;@25200</a>
4	1	<a href="#">SampleTarget32!std:: Move_backward&lt;int *,int *&gt;@25552</a>
3	3	<a href="#">SampleTarget32!std:: Move_backward&lt;int *,int *&gt;@25824</a>
3	1	<a href="#">SampleTarget32!std:: Median&lt;int *&gt;@24432</a>
2	1	<a href="#">SampleTarget32!std:: Med3&lt;int *&gt;@25104</a>
1	0	<a href="#">SampleTarget32!std::pair&lt;int *,int *&gt;::pair&lt;int *,int *&gt;&lt;int * &amp;,int * &amp;&gt;@24656</a>
1	1	<a href="#">SampleTarget32!Proffy::Launcher::Finish@6112</a>

SampleTarget32!main@4096

c:\users\paul\documents\programs\proffy\sampletarget\main.cpp

Callers

Symbol + File + Line Number	Count
SampleTarget32!_tmainCRTStartup@26231 f:\dd\vc\tools\crt_bld\self_x86\crt\src\crtexe.c:555	103

Code

Line Number	Time spent		Code	Callees	
	Inclusive	Exclusive		Symbol	Count
43			pathToProffy.str(), L"..\\dist", 1.0 / 20);		
44			const clock_t begin = clock();		
45			while ((clock() - begin) < 10*CLOCKS_PER_SEC) {		
46	21	0	std::random_shuffle(values.begin(), values.end());	SampleTarget32!std::random_shuffle<std:: Vector_iterator<std:: Vector_val<int,std::allocator<int> > > >@21584	21
47	81	0	std::sort(values.begin(), values.end());	SampleTarget32!std::sort<std:: Vector_iterator<std:: Vector_val<int,std::allocator<int> > > >@21664	81
48			}		
49			profiler.Finish();		
50					
51	1	0	std::cout << "\\nDone.\\n";	SampleTarget32!Proffy::Launcher::Finish@6112	1
52					
53			return EXIT_SUCCESS;		
54			}		

## SampleTarget32!std::iter\_swap<int \*,int \*>@23488

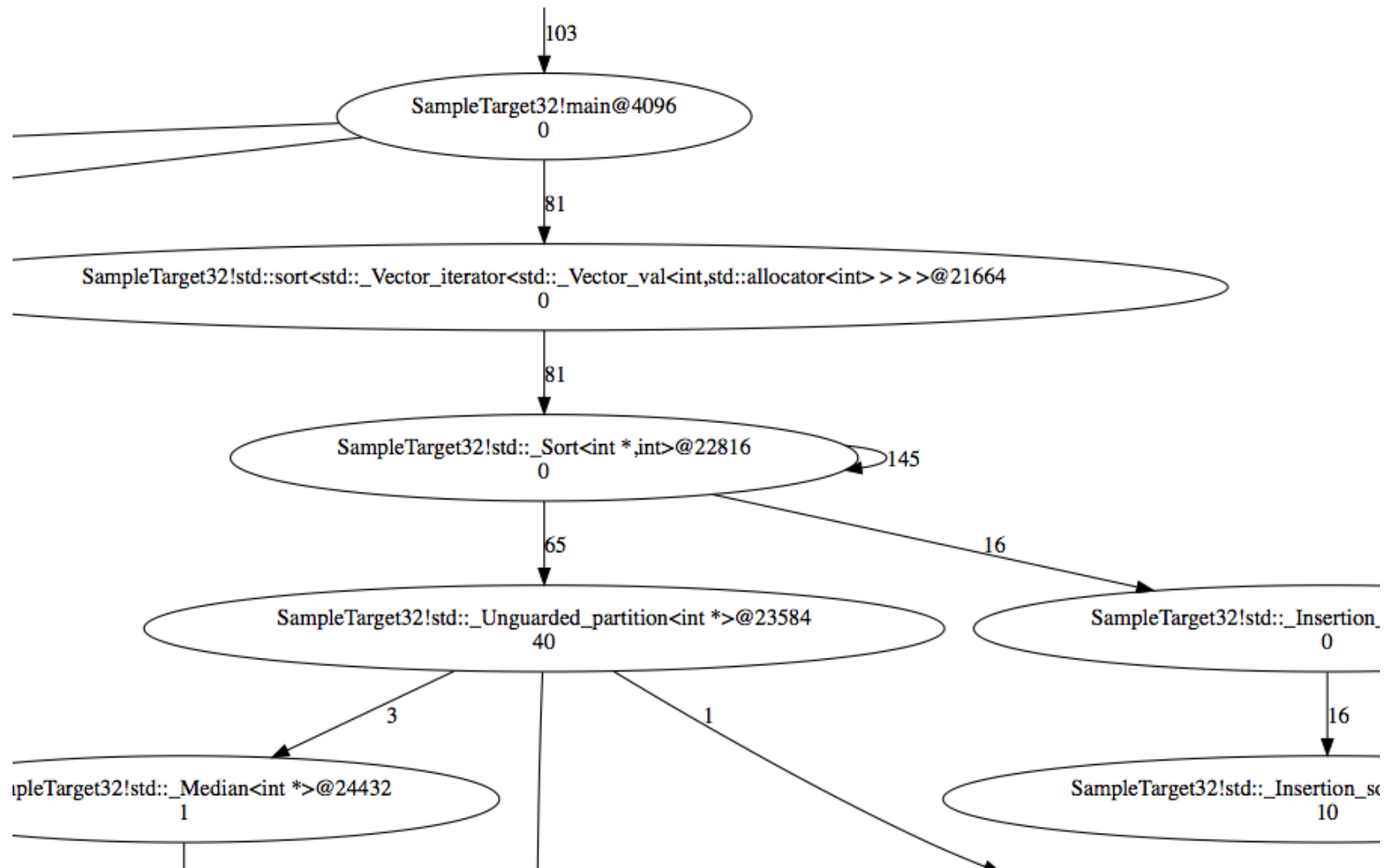
c:\program files (x86)\microsoft visual studio 10.0\vc\include\xutility

### Callers

Symbol + File + Line Number	Count
<a href="#">SampleTarget32!std:: Unguarded_partition&lt;int *&gt;@23584</a> <a href="#">c:\program files (x86)\microsoft visual studio 10.0\vc\include\algorithm:3593</a>	3
<a href="#">SampleTarget32!std:: Random_shuffle&lt;int *,int*&gt;@22640</a> <a href="#">c:\program files (x86)\microsoft visual studio 10.0\vc\include\algorithm:2228</a>	9
<a href="#">SampleTarget32!std:: Unguarded_partition&lt;int *&gt;@23584</a> <a href="#">c:\program files (x86)\microsoft visual studio 10.0\vc\include\algorithm:3598</a>	7
<a href="#">SampleTarget32!std:: Unguarded_partition&lt;int *&gt;@23584</a> <a href="#">c:\program files (x86)\microsoft visual studio 10.0\vc\include\algorithm:3591</a>	3
<a href="#">SampleTarget32!std:: Med3&lt;int *&gt;@25104</a> <a href="#">c:\program files (x86)\microsoft visual studio 10.0\vc\include\algorithm:3526</a>	1
<a href="#">SampleTarget32!std:: Unguarded_partition&lt;int *&gt;@23584</a> <a href="#">c:\program files (x86)\microsoft visual studio 10.0\vc\include\algorithm:3602</a>	8

### Code

Line Number	Time spent		Code	Callees	
	Inclusive	Exclusive		Symbol	Count
2130			template<class _FwdIt1,		
2131			class _FwdIt2> inline		
2132			void iter_swap(_FwdIt1 _Left, _FwdIt2 _Right)		
2133	2	2	{ // swap *_Left and *_Right		
2134	29	5	swap(*_Left, *_Right);		
				<a href="#">SampleTarget32!std::swap&lt;int*&gt;@23520</a>	24
2135			}		
2136					
2137			// TEMPLATE FUNCTION copy		





## **Tech:**

- **Sampling only**
- **Callgraphs**
- **DbgEng**
- **XSLT**

## **Future:**

- **Support managed (.NET) targets.**
- **Friendlier output (better XSLT).**
- **Saner display for recursive or threaded functions.**