
Subject: Re: String::Cat optimization

Posted by [mirek](#) on Thu, 01 Dec 2011 10:37:50 GMT

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dolik.rce wrote on Thu, 01 December 2011 04:21koldo wrote on Thu, 01 December 2011 08:39Please could somebody try it in Linux?

Here it is:GCC-4.6.2 Optimal with svo_memcpy

TIMING Cat 40 : 2.65 s - 265.34 ns (11.06 s / 10000000), min: 0.00 ns, max: 5.00 ms, nesting: 1 - 10000000

TIMING Cat 18 : 0.00 ns - 0.00 ns (7.88 s / 10000000), min: 0.00 ns, max: 3.00 ms, nesting: 1 - 10000000

GCC-4.6.2 Optimal with memcpy

TIMING Cat 40 : 2.94 s - 293.57 ns (11.13 s / 10000000), min: 0.00 ns, max: 4.00 ms, nesting: 1 - 10000000

TIMING Cat 18 : 0.00 ns - 0.00 ns (8.11 s / 10000000), min: 0.00 ns, max: 1.00 ms, nesting: 1 - 10000000

GCC-4.6.2 Speed with svo_memcpy

TIMING Cat 40 : 246.75 ms - 24.68 ns (11.14 s / 10000000), min: 0.00 ns, max: 4.00 ms, nesting: 1 - 10000000

TIMING Cat 18 : 0.00 ns - 0.00 ns (7.93 s / 10000000), min: 0.00 ns, max: 4.00 ms, nesting: 1 - 10000000

GCC-4.6.2 Speed with memcpy

TIMING Cat 40 : 2.79 s - 279.30 ns (11.45 s / 10000000), min: 0.00 ns, max: 6.00 ms, nesting: 1 - 10000000

TIMING Cat 18 : 2.03 s - 202.80 ns (10.68 s / 10000000), min: 0.00 ns, max: 4.00 ms, nesting: 1 - 10000000

CLANG-2.9 Optimal with svo_memcpy

TIMING Cat 40 : 1.65 s - 165.35 ns (11.07 s / 10000000), min: 0.00 ns, max: 1.00 ms, nesting: 1 - 10000000

TIMING Cat 18 : 0.00 ns - 0.00 ns (8.09 s / 10000000), min: 0.00 ns, max: 1.00 ms, nesting: 1 - 10000000

CLANG-2.9 Optimal with memcpy

TIMING Cat 40 : 4.20 s - 420.01 ns (11.33 s / 10000000), min: 0.00 ns, max: 2.00 ms, nesting: 1 - 10000000

TIMING Cat 18 : 1.20 s - 119.81 ns (8.32 s / 10000000), min: 0.00 ns, max: 1.00 ms, nesting: 1 - 10000000

CLANG-2.9 Speed with svo_memcpy

TIMING Cat 40 : 4.28 s - 428.33 ns (11.21 s / 10000000), min: 0.00 ns, max: 2.00 ms,

nesting: 1 - 10000000

TIMING Cat 18 : 797.30 ms - 79.73 ns (7.72 s / 10000000), min: 0.00 ns, max: 5.00 ms,

nesting: 1 - 10000000

CLANG-2.9 Speed with memcpy

TIMING Cat 40 : 5.87 ms - 0.59 ns (11.09 s / 10000000), min: 0.00 ns, max: 2.00 ms,

nesting: 1 - 10000000

TIMING Cat 18 : 0.00 ns - 0.00 ns (8.36 s / 10000000), min: 0.00 ns, max: 5.00 ms,

nesting: 1 - 10000000

Honza

Looking at it, it seems like there is something fishy about times... maybe something with TIMING is now broken? Or perhaps it does not behave well now in linux?