

Garganttua Core Runtime performances report

With no logs

OS Name : Linux

OS Version : 6.8.0-87-generic

CPU Cores : 14

Total Memory : 30 Go

Max JVM Memory : 7 Go

Total JVM Memory : 492 Mo

Java Version : 21.0.6

Java Vendor : Eclipse Adoptium

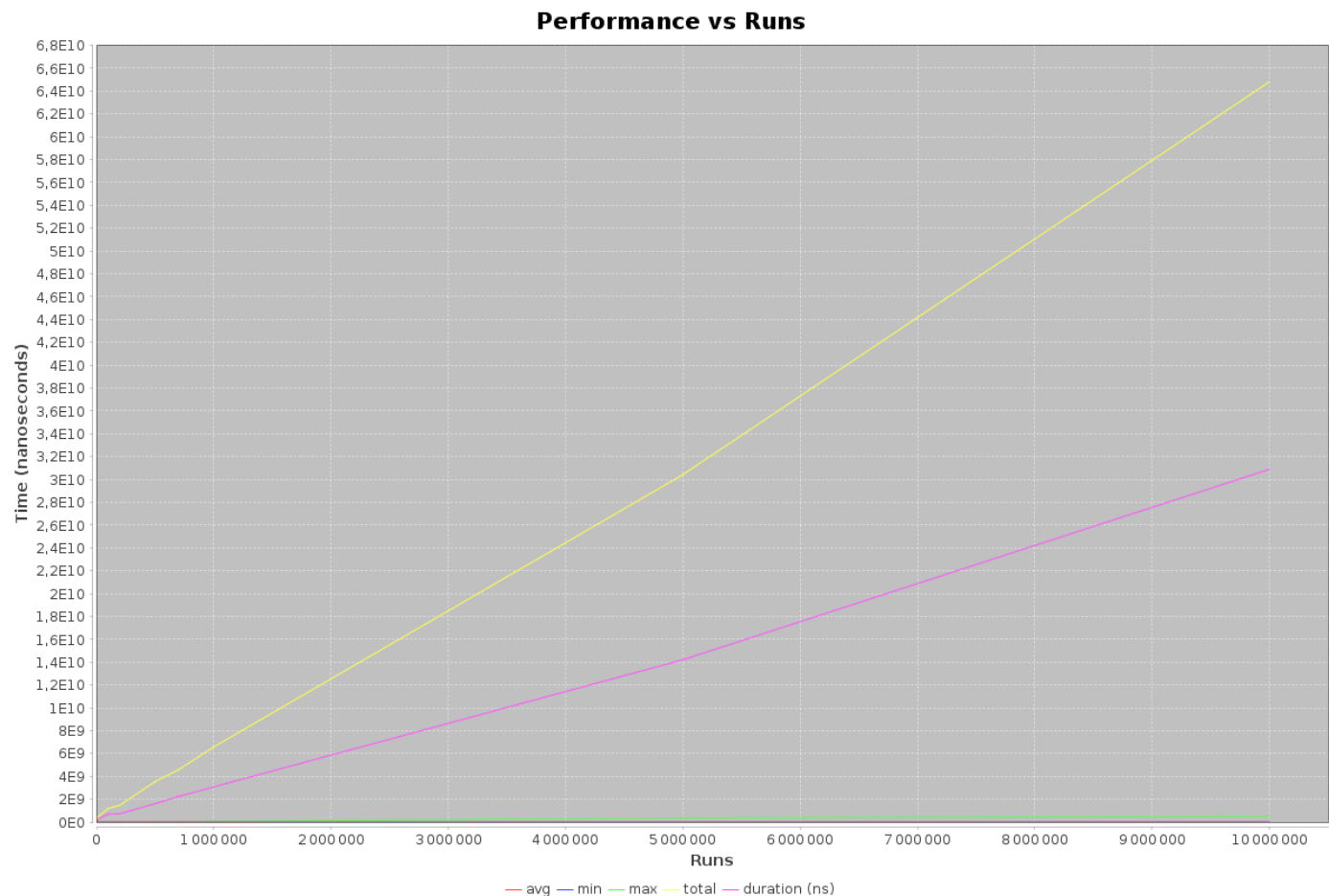
JVM Name : OpenJDK 64-Bit Server VM

JVM Version : 21.0.6+7-LTS

Simple Use Case

Test Runtime with one step that concatenates strings injected in parameters, including input.

Thread Pool Size : 70



Performance Report Table

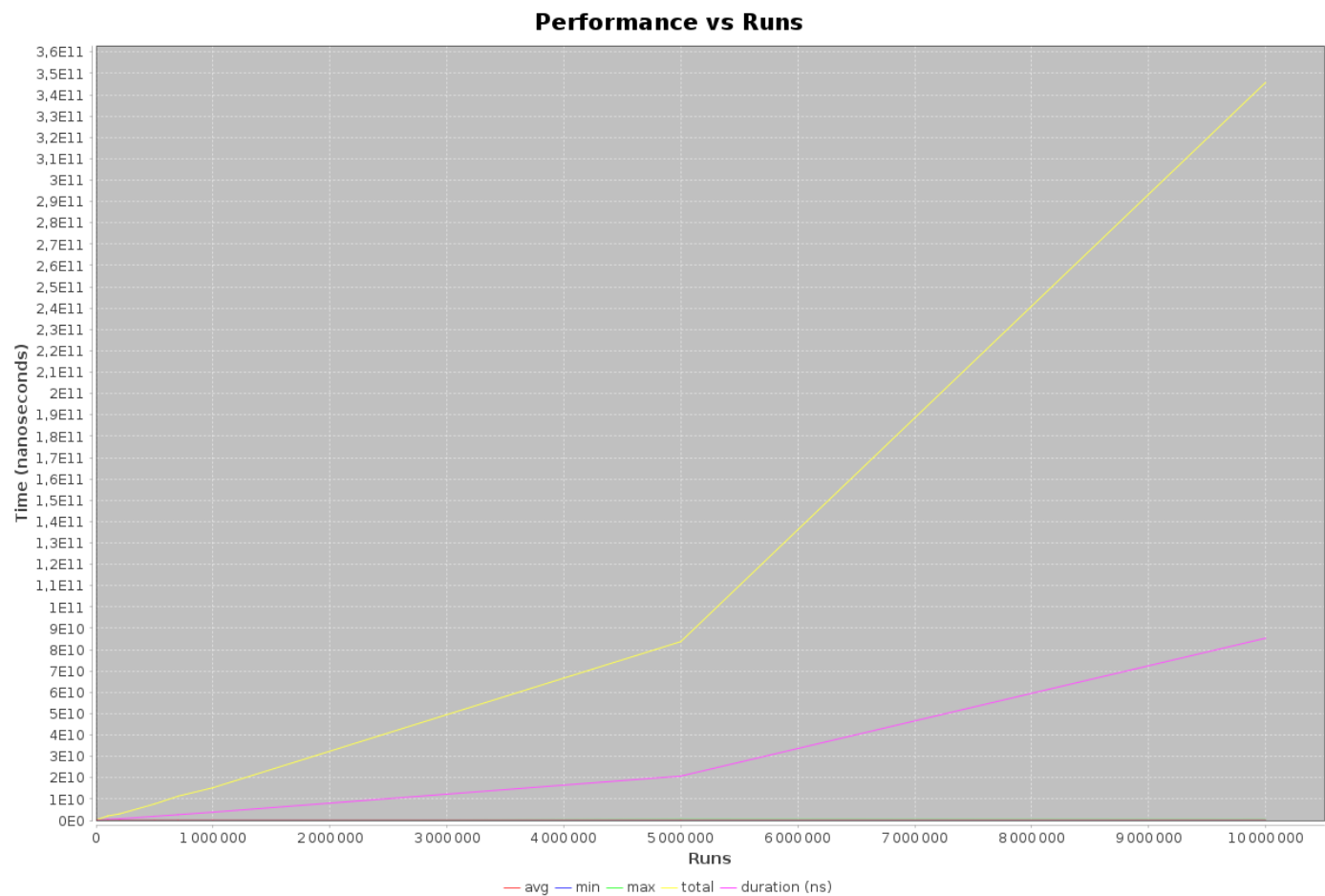
| Runs | Avg (ns) | Min (ns) | Max (ns) | Total (ns) | Duration |
|-------|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|----------------|
| 1 | 5201807 ns (5201 us, 5 ms) | 5201807 ns (5201 us, 5 ms) | 5201807 ns (5201 us, 5 ms) | 5201807 ns (5201 us, 5 ms) | 0h 0m 0s 9ms |
| 10 | 411118 ns (411 us) | 241358 ns (241 us) | 785292 ns (785 us) | 4111184 ns (4111 us, 4 ms) | 0h 0m 0s 2ms |
| 100 | 335349 ns (335 us) | 168536 ns (168 us) | 1187456 ns (1187 us, 1 ms) | 33534914 ns (33534 us, 33 ms) | 0h 0m 0s 22ms |
| 1000 | 133590 ns (133 us) | 30952 ns (30 us) | 3748684 ns (3748 us, 3 ms) | 133590615 ns (133590 us, 133 ms) | 0h 0m 0s 92ms |
| 10000 | 44679 ns (44 us) | 9145 ns (9 us) | 3627720 ns (3627 us, 3 ms) | 446793842 ns (446793 us, 446 ms) | 0h 0m 0s 216ms |

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|--------------|------------------|----------------|----------------------------------|--|-----------------|
| 10000 0 | 11876 ns (11 us) | 2470 ns (2 us) | 7205692 ns (7205 us, 7 ms) | 1187692110 ns (1187692 us, 1187 ms) | 0h 0m 0s 695ms |
| 20000 0 | 7363 ns (7 us) | 2277 ns (2 us) | 13385138 ns (13385 us, 13 ms) | 1472640022 ns (1472640 us, 1472 ms) | 0h 0m 0s 739ms |
| 50000 0 | 7071 ns (7 us) | 2219 ns (2 us) | 27631999 ns (27631 us, 27 ms) | 3535543515 ns (3535543 us, 3535 ms) | 0h 0m 1s 602ms |
| 70000 0 | 6541 ns (6 us) | 2249 ns (2 us) | 44981065 ns (44981 us, 44 ms) | 4578842972 ns (4578842 us, 4578 ms) | 0h 0m 2s 233ms |
| 10000 00 | 6571 ns (6 us) | 2280 ns (2 us) | 71135846 ns (71135 us, 71 ms) | 6571319833 ns (6571319 us, 6571 ms) | 0h 0m 3s 77ms |
| 50000 00 | 6083 ns (6 us) | 2285 ns (2 us) | 360380569 ns (360380 us, 360 ms) | 30417376383 ns (30417376 us, 30417 ms) | 0h 0m 14s 209ms |
| 10000 000 | 6481 ns (6 us) | 2247 ns (2 us) | 477768142 ns (477768 us, 477 ms) | 64813489972 ns (64813489 us, 64813 ms) | 0h 0m 30s 885ms |

Simple Use Case with fallback

Test Runtime with one step that throws a caught exception which is handled by fallback method that concatenates strings injected in parameters, including input.

Thread Pool Size : 70



Performance Report Table

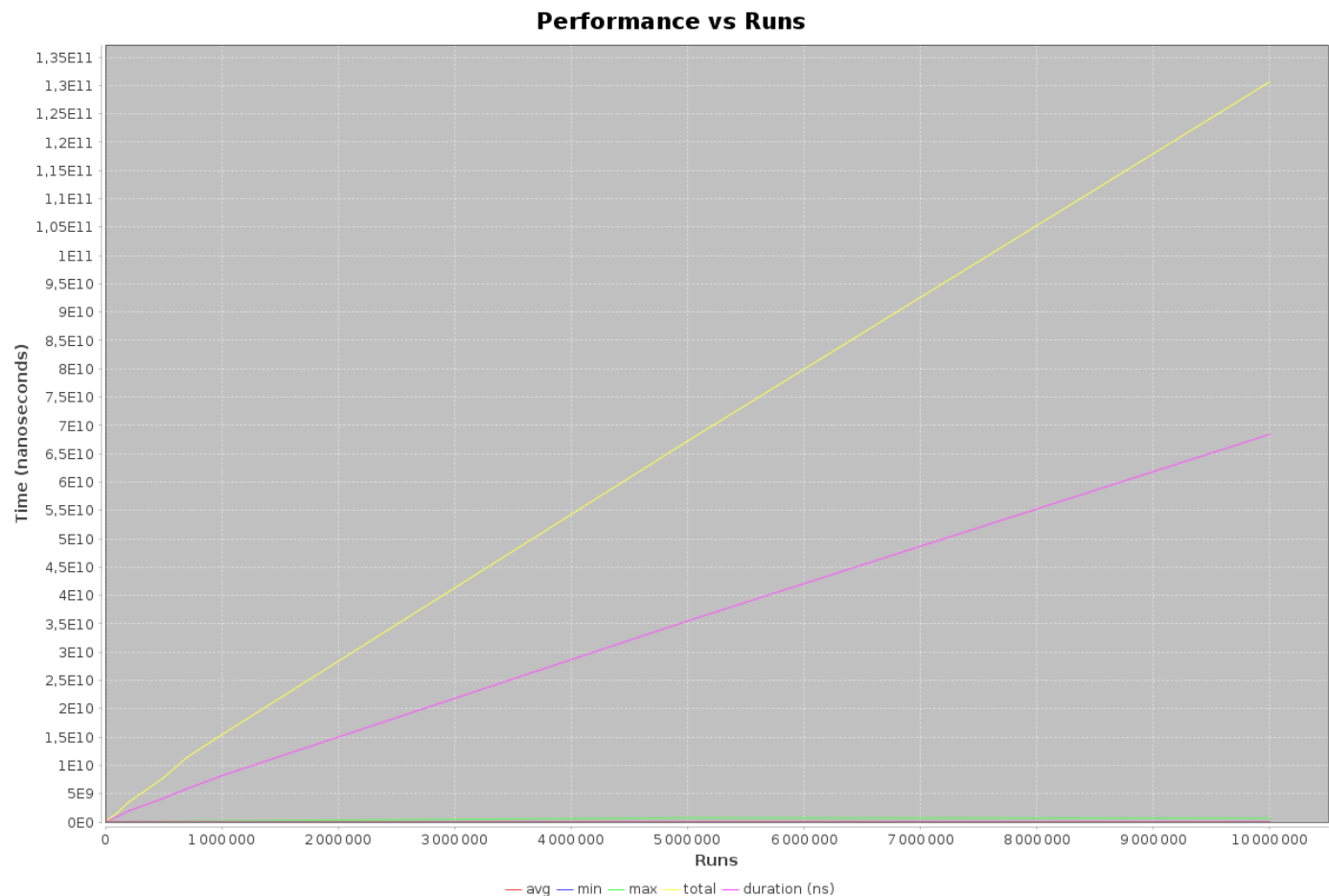
| Runs | Avg (ns) | Min (ns) | Max (ns) | Total (ns) | Duration |
|-------|-------------------------------|-------------------------------|-------------------------------|----------------------------------|---------------|
| 1 | 6020280 ns (6020 us, 6 ms) | 6020280 ns (6020 us, 6 ms) | 6020280 ns (6020 us, 6 ms) | 6020280 ns (6020 us, 6 ms) | 0h 0m 0s 6ms |
| 10 | 401267 ns (401 us) | 123498 ns (123 us) | 545307 ns (545 us) | 4012673 ns (4012 us, 4 ms) | 0h 0m 0s 1ms |
| 100 | 85952 ns (85 us) | 23694 ns (23 us) | 328805 ns (328 us) | 8595293 ns (8595 us, 8 ms) | 0h 0m 0s 6ms |
| 1000 | 76433 ns (76 us) | 24332 ns (24 us) | 1278405 ns (1278 us, 1 ms) | 76433752 ns (76433 us, 76 ms) | 0h 0m 0s 14ms |
| 10000 | 35493 ns (35 us) | 11431 ns (11 us) | 1512517 ns (1512 us, 1 ms) | 354931809 ns (354931 us, 354 ms) | 0h 0m 0s 74ms |

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|--------------|---------------------|----------------|--|---|-----------------|
| 10000 0 | 20930 ns (20 us) | 6191 ns (6 us) | 27178037 ns (27178 us, 27 ms) | 2093033611 ns (2093033 us, 2093 ms) | 0h 0m 0s 529ms |
| 20000 0 | 15199 ns (15 us) | 5456 ns (5 us) | 24375368 ns (24375 us, 24 ms) | 3039831489 ns (3039831 us, 3039 ms) | 0h 0m 0s 752ms |
| 50000 0 | 15358 ns (15 us) | 5345 ns (5 us) | 41883290 ns (41883 us, 41 ms) | 7679068542 ns (7679068 us, 7679 ms) | 0h 0m 1s 888ms |
| 70000 0 | 16176 ns (16 us) | 5186 ns (5 us) | 59206743 ns (59206 us, 59 ms) | 11323344074 ns (11323344 us, 11323 ms) | 0h 0m 2s 655ms |
| 10000 00 | 15322 ns (15 us) | 5499 ns (5 us) | 84068998 ns (84068 us, 84 ms) | 15322656071 ns (15322656 us, 15322 ms) | 0h 0m 3s 854ms |
| 50000 00 | 16755 ns (16 us) | 6708 ns (6 us) | 424773083 ns (424773 us, 424 ms) | 83776872038 ns (83776872 us, 83776 ms) | 0h 0m 20s 759ms |
| 10000 000 | 34576 ns (34 us) | 6044 ns (6 us) | 380430818 ns (380430 us, 380 ms) | 345760946907 ns (345760946 us, 345760 ms) | 0h 1m 25s 376ms |

Simple Use Case

Test Runtime with one step that concatenates strings injected in parameters, including input.

Thread Pool Size : 140



Performance Report Table

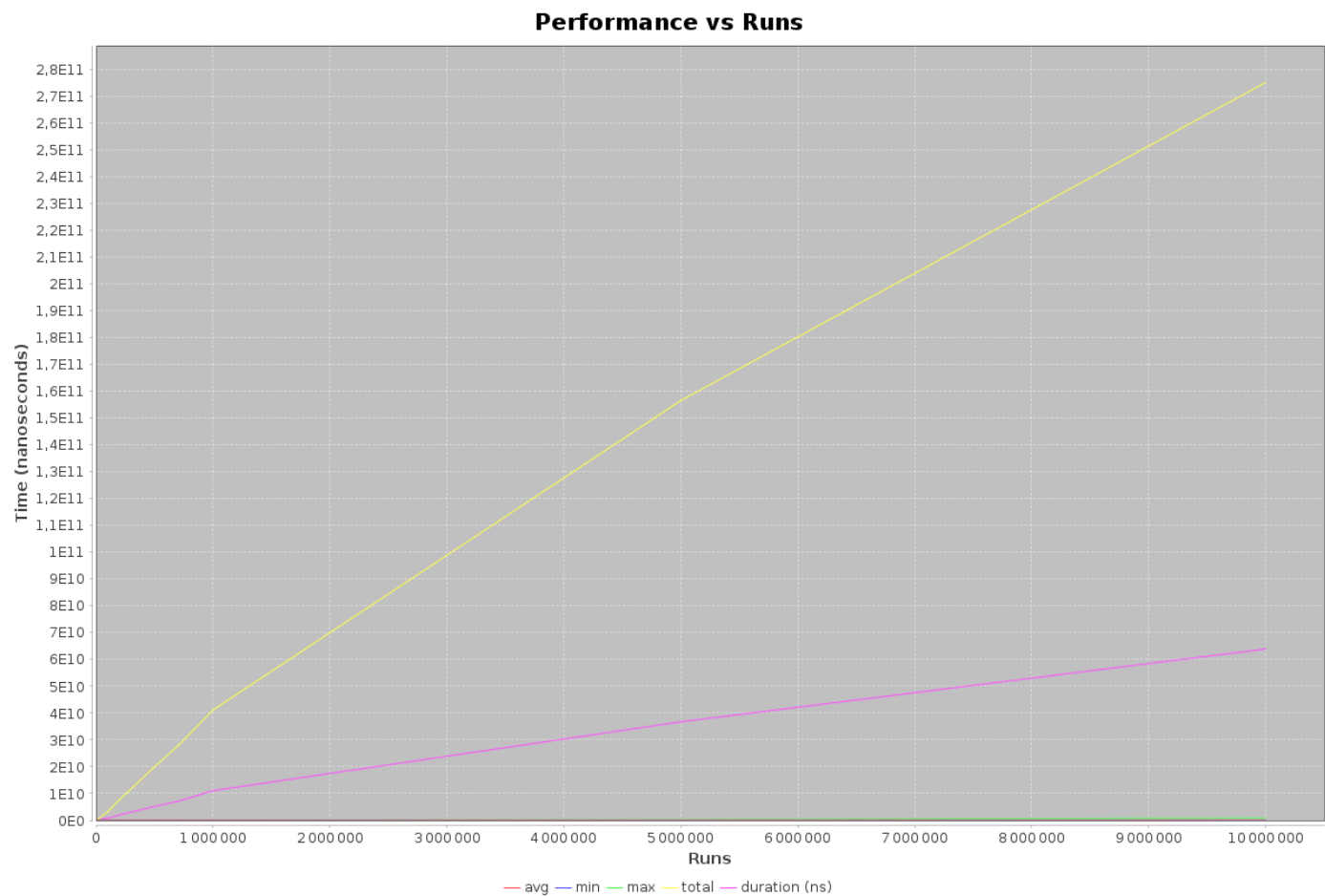
| Runs | Avg (ns) | Min (ns) | Max (ns) | Total (ns) | Duration |
|--------|--------------------|--------------------|-------------------------------|-------------------------------------|----------------|
| 1 | 152893 ns (152 us) | 152893 ns (152 us) | 152893 ns (152 us) | 152893 ns (152 us) | 0h 0m 0s 1ms |
| 10 | 40153 ns (40 us) | 21168 ns (21 us) | 57465 ns (57 us) | 401530 ns (401 us) | 0h 0m 0s 2ms |
| 100 | 21189 ns (21 us) | 8094 ns (8 us) | 53701 ns (53 us) | 2118957 ns (2118 us, 2 ms) | 0h 0m 0s 10ms |
| 1000 | 14852 ns (14 us) | 6988 ns (6 us) | 104560 ns (104 us) | 14852273 ns (14852 us, 14 ms) | 0h 0m 0s 24ms |
| 10000 | 23842 ns (23 us) | 6568 ns (6 us) | 30709669 ns (30709 us, 30 ms) | 238421404 ns (238421 us, 238 ms) | 0h 0m 0s 130ms |
| 100000 | 15808 ns (15 us) | 6220 ns (6 us) | 869546 ns (869 us) | 1580854463 ns (1580854 us, 1580 ms) | 0h 0m 0s 911ms |

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|--------------|---------------------|----------------|--|---|-----------------|
| 20000 0 | 17584 ns (17 us) | 6333 ns (6 us) | 51607133 ns (51607 us, 51 ms) | 3516960688 ns (3516960 us, 3516 ms) | 0h 0m 1s 966ms |
| 50000 0 | 15621 ns (15 us) | 6361 ns (6 us) | 83605145 ns (83605 us, 83 ms) | 7810812556 ns (7810812 us, 7810 ms) | 0h 0m 4s 188ms |
| 70000 0 | 16289 ns (16 us) | 6341 ns (6 us) | 134753186 ns (134753 us, 134 ms) | 11402374861 ns (11402374 us, 11402 ms) | 0h 0m 5s 867ms |
| 10000 00 | 15407 ns (15 us) | 6250 ns (6 us) | 181675766 ns (181675 us, 181 ms) | 15407876582 ns (15407876 us, 15407 ms) | 0h 0m 8s 172ms |
| 50000 00 | 13447 ns (13 us) | 5187 ns (5 us) | 749199514 ns (749199 us, 749 ms) | 67236414691 ns (67236414 us, 67236 ms) | 0h 0m 35s 489ms |
| 10000 000 | 13064 ns (13 us) | 4359 ns (4 us) | 699451825 ns (699451 us, 699 ms) | 130644590070 ns (130644590 us, 130644 ms) | 0h 1m 8s 433ms |

Simple Use Case with fallback

Test Runtime with one step that throws a caught exception which is handled by fallback method that concatenates strings injected in parameters, including input.

Thread Pool Size : 140



Performance Report Table

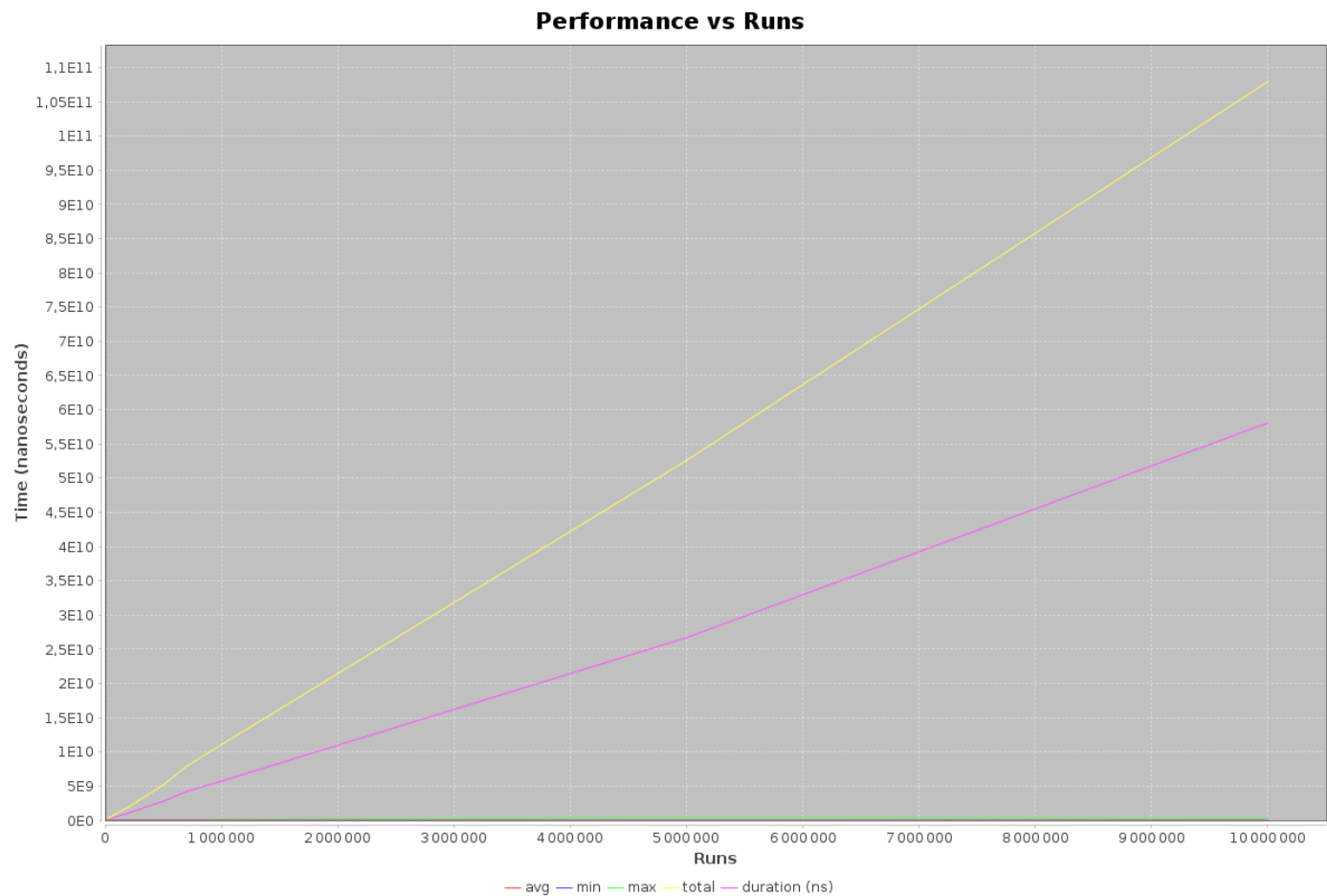
| Runs | Avg (ns) | Min (ns) | Max (ns) | Total (ns) | Duration |
|--------|--------------------|--------------------|-------------------------------|-------------------------------------|----------------|
| 1 | 285779 ns (285 us) | 285779 ns (285 us) | 285779 ns (285 us) | 285779 ns (285 us) | 0h 0m 0s 11ms |
| 10 | 65842 ns (65 us) | 16849 ns (16 us) | 142537 ns (142 us) | 658426 ns (658 us) | 0h 0m 0s 1ms |
| 100 | 34887 ns (34 us) | 14285 ns (14 us) | 152466 ns (152 us) | 3488764 ns (3488 us, 3 ms) | 0h 0m 0s 24ms |
| 1000 | 35866 ns (35 us) | 13648 ns (13 us) | 406691 ns (406 us) | 35866863 ns (35866 us, 35 ms) | 0h 0m 0s 46ms |
| 10000 | 33019 ns (33 us) | 12631 ns (12 us) | 784083 ns (784 us) | 330195226 ns (330195 us, 330 ms) | 0h 0m 0s 133ms |
| 100000 | 32890 ns (32 us) | 12598 ns (12 us) | 11382574 ns (11382 us, 11 ms) | 3289085573 ns (3289085 us, 3289 ms) | 0h 0m 0s 862ms |

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|--------------|---------------------|---------------------|--|---|-----------------|
| 20000 0 | 38342 ns (38 us) | 13995 ns (13 us) | 24832504 ns (24832 us, 24 ms) | 7668536549 ns (7668536 us, 7668 ms) | 0h 0m 1s 995ms |
| 50000 0 | 39941 ns (39 us) | 14128 ns (14 us) | 53507593 ns (53507 us, 53 ms) | 19970970295 ns (19970970 us, 19970 ms) | 0h 0m 5s 197ms |
| 70000 0 | 39687 ns (39 us) | 13942 ns (13 us) | 66999575 ns (66999 us, 66 ms) | 27781464494 ns (27781464 us, 27781 ms) | 0h 0m 7s 70ms |
| 10000 00 | 41122 ns (41 us) | 13432 ns (13 us) | 120316982 ns (120316 us, 120 ms) | 41122759772 ns (41122759 us, 41122 ms) | 0h 0m 11s 80ms |
| 50000 00 | 31296 ns (31 us) | 11441 ns (11 us) | 335340954 ns (335340 us, 335 ms) | 156483684821 ns (156483684 us, 156483 ms) | 0h 0m 36s 737ms |
| 10000 000 | 27502 ns (27 us) | 10388 ns (10 us) | 838653799 ns (838653 us, 838 ms) | 275023150092 ns (275023150 us, 275023 ms) | 0h 1m 3s 875ms |

Simple Use Case

Test Runtime with one step that concatenates strings injected in parameters, including input.

Thread Pool Size : 280



Performance Report Table

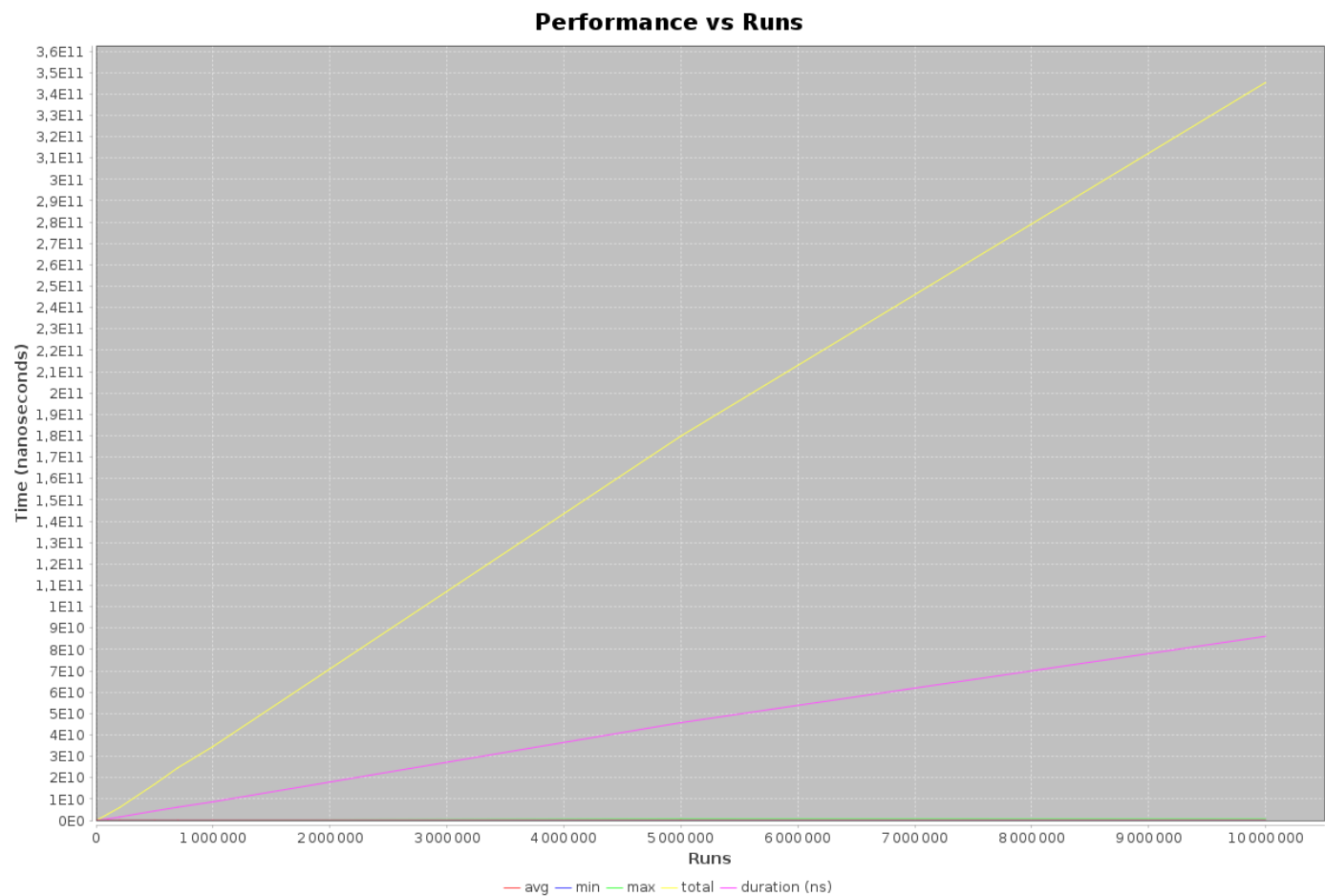
| Runs | Avg (ns) | Min (ns) | Max (ns) | Total (ns) | Duration |
|--------|------------------|------------------|-------------------------------|-------------------------------------|----------------|
| 1 | 47098 ns (47 us) | 47098 ns (47 us) | 47098 ns (47 us) | 47098 ns (47 us) | 0h 0m 0s 0ms |
| 10 | 21721 ns (21 us) | 7269 ns (7 us) | 50374 ns (50 us) | 217219 ns (217 us) | 0h 0m 0s 0ms |
| 100 | 12686 ns (12 us) | 6027 ns (6 us) | 33319 ns (33 us) | 1268643 ns (1268 us, 1 ms) | 0h 0m 0s 8ms |
| 1000 | 13237 ns (13 us) | 5394 ns (5 us) | 181627 ns (181 us) | 13237212 ns (13237 us, 13 ms) | 0h 0m 0s 34ms |
| 10000 | 10031 ns (10 us) | 4913 ns (4 us) | 187384 ns (187 us) | 100315061 ns (100315 us, 100 ms) | 0h 0m 0s 83ms |
| 100000 | 10189 ns (10 us) | 4783 ns (4 us) | 18013339 ns (18013 us, 18 ms) | 1018989134 ns (1018989 us, 1018 ms) | 0h 0m 0s 569ms |

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|--------------|---------------------|----------------|--|---|-----------------|
| 20000 0 | 9642 ns (9 us) | 4482 ns (4 us) | 22059053 ns (22059 us, 22 ms) | 1928585247 ns (1928585 us, 1928 ms) | 0h 0m 1s 62ms |
| 50000 0 | 10334 ns (10 us) | 4376 ns (4 us) | 52046624 ns (52046 us, 52 ms) | 5167042661 ns (5167042 us, 5167 ms) | 0h 0m 2s 780ms |
| 70000 0 | 11275 ns (11 us) | 4521 ns (4 us) | 70849733 ns (70849 us, 70 ms) | 7893129597 ns (7893129 us, 7893 ms) | 0h 0m 4s 214ms |
| 10000 00 | 11048 ns (11 us) | 4337 ns (4 us) | 127929507 ns (127929 us, 127 ms) | 11048230894 ns (11048230 us, 11048 ms) | 0h 0m 5s 717ms |
| 50000 00 | 10516 ns (10 us) | 3686 ns (3 us) | 458654978 ns (458654 us, 458 ms) | 52581087434 ns (52581087 us, 52581 ms) | 0h 0m 26s 682ms |
| 10000 000 | 10793 ns (10 us) | 4341 ns (4 us) | 321754025 ns (321754 us, 321 ms) | 107932748757 ns (107932748 us, 107932 ms) | 0h 0m 58s 72ms |

Simple Use Case with fallback

Test Runtime with one step that throws a caught exception which is handled by fallback method that concatenates strings injected in parameters, including input.

Thread Pool Size : 280



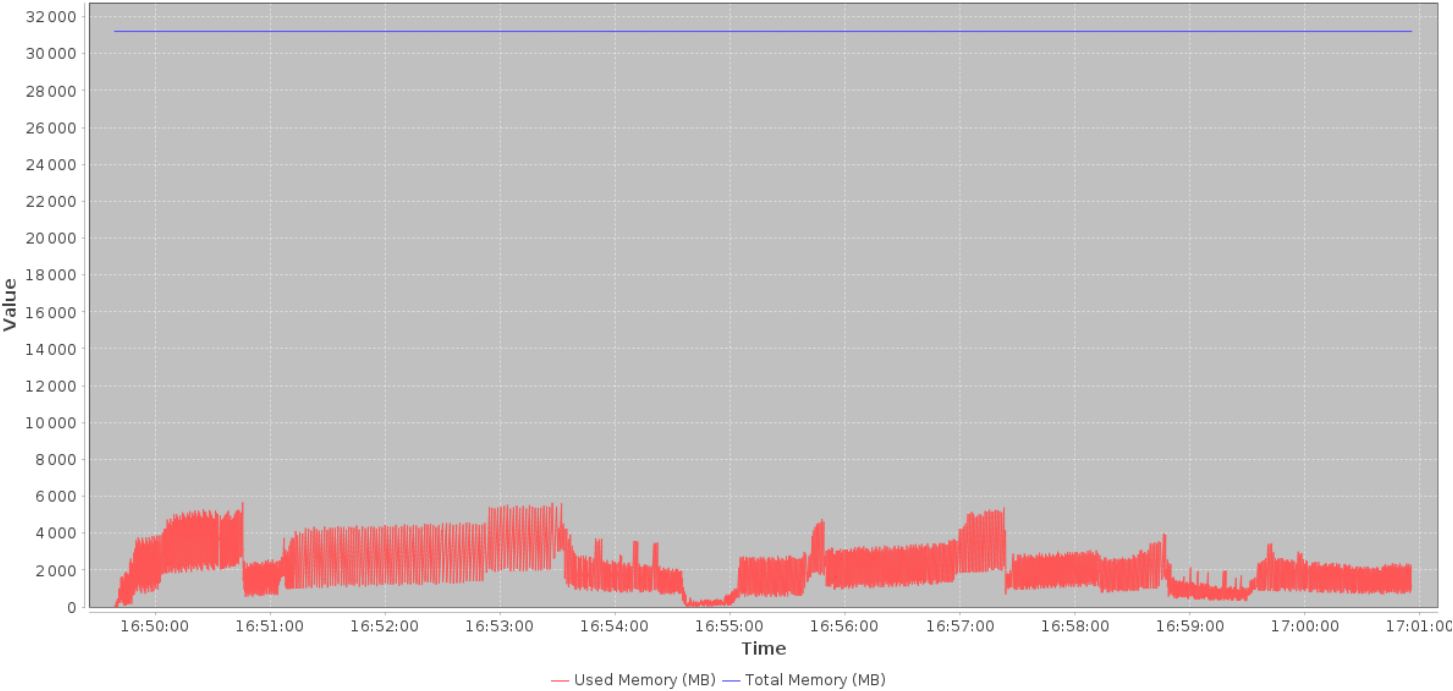
Performance Report Table

| Runs | Avg (ns) | Min (ns) | Max (ns) | Total (ns) | Duration |
|--------|--------------------|--------------------|-------------------------------|-------------------------------------|----------------|
| 1 | 186684 ns (186 us) | 186684 ns (186 us) | 186684 ns (186 us) | 186684 ns (186 us) | 0h 0m 0s 0ms |
| 10 | 45619 ns (45 us) | 28096 ns (28 us) | 84034 ns (84 us) | 456199 ns (456 us) | 0h 0m 0s 0ms |
| 100 | 34711 ns (34 us) | 21320 ns (21 us) | 82188 ns (82 us) | 3471111 ns (3471 us, 3 ms) | 0h 0m 0s 8ms |
| 1000 | 30373 ns (30 us) | 11197 ns (11 us) | 269311 ns (269 us) | 30373777 ns (30373 us, 30 ms) | 0h 0m 0s 30ms |
| 10000 | 23525 ns (23 us) | 10793 ns (10 us) | 436649 ns (436 us) | 235255492 ns (235255 us, 235 ms) | 0h 0m 0s 95ms |
| 100000 | 29164 ns (29 us) | 11266 ns (11 us) | 23601591 ns (23601 us, 23 ms) | 2916431445 ns (2916431 us, 2916 ms) | 0h 0m 0s 728ms |

| | | | | | |
|--------------|---------------------|---------------------|--|---|-----------------|
| 20000 0 | 29939 ns (29 us) | 12339 ns (12 us) | 31678260 ns (31678 us, 31 ms) | 5987802206 ns (5987802 us, 5987 ms) | 0h 0m 1s 558ms |
| 50000 0 | 33847 ns (33 us) | 13175 ns (13 us) | 71613060 ns (71613 us, 71 ms) | 16923883651 ns (16923883 us, 16923 ms) | 0h 0m 4s 399ms |
| 70000 0 | 35222 ns (35 us) | 12943 ns (12 us) | 95669498 ns (95669 us, 95 ms) | 24656099289 ns (24656099 us, 24656 ms) | 0h 0m 6s 199ms |
| 10000 00 | 34599 ns (34 us) | 12390 ns (12 us) | 152443319 ns (152443 us, 152 ms) | 34599439720 ns (34599439 us, 34599 ms) | 0h 0m 8s 690ms |
| 50000 00 | 35967 ns (35 us) | 11177 ns (11 us) | 653407854 ns (653407 us, 653 ms) | 179839986659 ns (179839986 us, 179839 ms) | 0h 0m 45s 727ms |
| 10000 000 | 34535 ns (34 us) | 10662 ns (10 us) | 606313064 ns (606313 us, 606 ms) | 345355676777 ns (345355676 us, 345355 ms) | 0h 1m 26s 142ms |

Total performances tests duration : 0h 11m 16s 372ms

System Usage Over Time



System Usage Over Time

