Comparison of Autotuning with -Os and -O3

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| --- | --- | --- | --- | --- | --- | --- |
| Coreutils | Actual size | Time (original) | Size and time (-Os) | Size and time (-O3) | Size(Autotuning) | Time Autotuning |
| ls | 700992 |  | 737476 | 821320 | 697760(11276s) diff=3232, 699928 (3604s) diff=1064 |  |
| chmod | 300224 |  | 317096 | 338944 | 299624(2258s) diff=600, 299624 (1791s) diff=600 |  |
| chown | 322244 |  | 341028 | 363936 | 321548 (2462s) diff=696, 322548 (1723s) diff=-304, 322556(1000s) |  |
| cp | 510308 |  | 602444 | 676336 |  |  |
| mkdir | 179120 |  | 182616 | 190876 |  |  |
| mv | 597152 |  | 697800 | 774348 |  |  |
| rm | 325060 |  | 346348 | 366432 |  |  |
| Httpd | 3303956 | Requests per second: 8061.20 [#/sec] (mean) | 3479924(5.32% increase from actual)  Requests per second: 8282.63 [#/sec] (mean) | 4978448(50.68 % increase from original)  Requests per second: 8851.13 [#/sec] (mean) | 2936148(3hrs) (11.1 % decreased),  2942264(2hrs) (10.94% decreased),  2938536(1hr) (11.06% decreased) | Requests per second: 8910.24 [#/sec] (mean) (best after 3hrs-config#840)  Requests per second: 9102.53 [#/sec] (mean) (Best after 2hrs-config#1233)  Requests per second: 9145.61 [#/sec] (mean) (Best after 1 hr-config#705) |
| sendmail | 1638752 |  | 1699208(3.68 %increased) | 2267856(38.3 % increase) | 1541848 (3hrs) (5.913 decreased),  1542560(2hrs) (5.86% decreased),  1541940(1hrs) (5.907 % decreased) |  |

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