| AVERAGE of time | | | | | branch | workers | | | | | | | patched | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | master | patched | | | | | | | | | | | | | |
| WAL | size | m | machine | indexes | 0 | 0 | 1 | 2 | 3 | 4 | 6 | 8 | 0 | 1 | 2 | 3 | 4 | 6 | 8 |
| logged | small | 100 | i5 | 0 | 3.90 | 3.91 | 2.94 | 3.06 | 3.03 | 3.72 | 3.52 | 3.30 | 100% | 75% | 78% | 78% | 95% | 90% | 84% |
| | | | | 1 | 8.78 | 8.17 | 7.66 | 7.58 | 7.34 | 9.00 | 8.70 | 9.08 | 93% | 87% | 86% | 84% | 103% | 99% | 103% |
| | | | | 2 | 13.86 | 13.68 | 9.67 | 9.52 | 9.38 | 11.29 | 10.96 | 11.18 | 99% | 70% | 69% | 68% | 81% | 79% | 81% |
| | | | | 3 | 19.52 | 18.57 | 15.61 | 12.40 | 12.47 | 14.51 | 14.54 | 14.37 | 95% | 80% | 64% | 64% | 74% | 75% | 74% |
| | | | | 4 | 25.45 | 25.32 | 18.15 | 18.72 | 14.90 | 16.95 | 16.57 | 16.51 | 99% | 71% | 74% | 59% | 67% | 65% | 65% |
| | | | | 5 | 33.31 | 30.54 | 26.13 | 21.98 | 21.82 | 20.47 | 20.79 | 19.32 | 92% | 78% | 66% | 66% | 61% | 62% | 58% |
| | | | xeon | 0 | 3.60 | 3.45 | 2.98 | 3.07 | 2.91 | 3.32 | 2.95 | 2.99 | 96% | 83% | 85% | 81% | 92% | 82% | 83% |
| | | | | 1 | 6.82 | 6.25 | 6.78 | 5.93 | 6.19 | 5.89 | 5.54 | 5.71 | 92% | 99% | 87% | 91% | 86% | 81% | 84% |
| | | | | 2 | 10.14 | 8.95 | 7.02 | 7.23 | 7.11 | 6.94 | 10.70 | 6.98 | 88% | 69% | 71% | 70% | 68% | 106% | 69% |
| | | | | 3 | 12.66 | 11.65 | 10.51 | 9.05 | 8.02 | 7.85 | 8.17 | 7.67 | 92% | 83% | 72% | 63% | 62% | 65% | 61% |
| | | | | 4 | 15.80 | 14.97 | 12.16 | 14.00 | 10.68 | 10.62 | 9.70 | 9.72 | 95% | 77% | 89% | 68% | 67% | 61% | 62% |
| | | | | 5 | 23.52 | 18.67 | 15.27 | 15.92 | 13.42 | 12.15 | 11.73 | 15.82 | 79% | 65% | 68% | 57% | 52% | 50% | 67% |
| | | 500 | i5 | 0 | 3.70 | 3.70 | 1.83 | 1.77 | 1.73 | 2.24 | 2.05 | 1.98 | 100% | 49% | 48% | 47% | 61% | 55% | 53% |
| | | | | 1 | 7.67 | 7.73 | 5.93 | 5.87 | 5.68 | 6.62 | 6.59 | 6.50 | 101% | 77% | 76% | 74% | 86% | 86% | 85% |
| | | | | 2 | 11.37 | 11.28 | 6.85 | 6.79 | 6.67 | 7.48 | 7.57 | 7.40 | 99% | 60% | 60% | 59% | 66% | 67% | 65% |
| | | | | 3 | 15.51 | 15.37 | 11.21 | 8.56 | 8.47 | 9.39 | 9.33 | 9.16 | 99% | 72% | 55% | 55% | 61% | 60% | 59% |
| | | | | 4 | 19.81 | 19.76 | 12.90 | 12.92 | 9.62 | 10.40 | 10.27 | 10.12 | 100% | 65% | 65% | 49% | 53% | 52% | 51% |
| | | | | 5 | 24.45 | 23.77 | 17.29 | 14.57 | 14.13 | 11.33 | 11.19 | 11.13 | 97% | 71% | 60% | 58% | 46% | 46% | 46% |
| | | | xeon | 0 | 3.26 | 3.32 | 1.83 | 1.81 | 1.71 | 1.84 | 1.84 | 1.81 | 102% | 56% | 56% | 52% | 56% | 56% | 55% |
| | | | | 1 | 5.75 | 5.68 | 6.51 | 4.41 | 4.17 | 4.23 | 4.40 | 4.50 | 99% | 113% | 77% | 73% | 74% | 77% | 78% |
| | | | | 2 | 7.70 | 7.91 | 5.14 | 4.82 | 4.62 | 4.78 | 4.65 | 5.02 | 103% | 67% | 63% | 60% | 62% | 60% | 65% |
| | | | | 3 | 10.05 | 10.17 | 7.19 | 5.65 | 5.80 | 5.41 | 7.48 | 5.61 | 101% | 71% | 56% | 58% | 54% | 74% | 56% |
| | | | | 4 | 12.33 | 11.70 | 8.40 | 8.66 | 6.99 | 6.58 | 6.67 | 8.76 | 95% | 68% | 70% | 57% | 53% | 54% | 71% |
| | | | | 5 | 14.53 | 14.08 | 10.02 | 8.91 | 9.57 | 7.62 | 7.42 | 7.44 | 97% | 69% | 61% | 66% | 52% | 51% | 51% |
| | | 1000 | i5 | 0 | 3.12 | 3.19 | 0.91 | 0.88 | 0.87 | 1.13 | 1.07 | 0.96 | 102% | 29% | 28% | 28% | 36% | 34% | 31% |
| | | | | 1 | 6.05 | 6.17 | 4.12 | 4.21 | 3.94 | 4.47 | 4.47 | 4.43 | 102% | 68% | 70% | 65% | 74% | 74% | 73% |
| | | | | 2 | 8.88 | 8.98 | 4.69 | 4.60 | 4.55 | 5.08 | 5.06 | 4.94 | 101% | 53% | 52% | 51% | 57% | 57% | 56% |
| | | | | 3 | 11.65 | 11.72 | 7.77 | 5.01 | 4.96 | 5.42 | 5.37 | 5.46 | 101% | 67% | 43% | 43% | 46% | 46% | 47% |
| | | | | 4 | 14.58 | 14.52 | 8.66 | 8.28 | 5.29 | 5.71 | 5.78 | 5.71 | 100% | 59% | 57% | 36% | 39% | 40% | 39% |
| | | | | 5 | 18.02 | 17.72 | 11.81 | 9.04 | 8.56 | 6.18 | 6.06 | 6.24 | 98% | 65% | 50% | 47% | 34% | 34% | 35% |
| | | | xeon | 0 | 2.77 | 2.74 | 0.82 | 0.88 | 0.85 | 0.94 | 0.93 | 0.96 | 99% | 29% | 32% | 31% | 34% | 34% | 34% |
| | | | | 1 | 4.60 | 4.51 | 2.85 | 2.88 | 2.81 | 2.84 | 2.84 | 2.91 | 98% | 62% | 63% | 61% | 62% | 62% | 63% |
| | | | | 2 | 6.02 | 5.87 | 2.97 | 3.33 | 3.05 | 3.03 | 3.04 | 2.97 | 98% | 49% | 55% | 51% | 50% | 51% | 49% |
| | | | | 3 | 10.15 | 7.52 | 4.77 | 3.57 | 3.42 | 3.44 | 3.42 | 3.31 | 74% | 47% | 35% | 34% | 34% | 34% | 33% |
| | | | | 4 | 9.34 | 9.03 | 5.04 | 5.25 | 3.60 | 3.54 | 3.67 | 8.03 | 97% | 54% | 56% | 39% | 38% | 39% | 86% |
| | | | | 5 | 11.39 | 11.07 | 7.21 | 5.47 | 5.61 | 4.96 | 3.91 | 4.02 | 97% | 63% | 48% | 49% | 44% | 34% | 35% |
| | | 5000 | i5 | 0 | 2.58 | 2.75 | 0.17 | 0.19 | 0.16 | 0.24 | 0.20 | 0.19 | 107% | 6% | 7% | 6% | 9% | 8% | 7% |
| | | | | 1 | 4.38 | 4.47 | 2.36 | 2.33 | 2.31 | 2.40 | 2.42 | 2.44 | 102% | 54% | 53% | 53% | 55% | 55% | 56% |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 2 | 6.24 | 6.17 | 2.72 | 2.68 | 2.68 | 2.80 | 2.84 | 2.73 | 99% | 44% | 43% | 43% | 45% | 45% | 44% |
| | | | | 3 | 7.86 | 7.87 | 4.85 | 2.98 | 3.01 | 3.02 | 3.02 | 3.03 | 100% | 62% | 38% | 38% | 38% | 38% | 39% |
| | | | | 4 | 9.65 | 9.69 | 5.38 | 5.10 | 3.08 | 3.13 | 3.14 | 3.10 | 100% | 56% | 53% | 32% | 32% | 33% | 32% |
| | | | | 5 | 11.50 | 11.47 | 7.44 | 5.48 | 5.27 | 3.38 | 3.37 | 3.38 | 100% | 65% | 48% | 46% | 29% | 29% | 29% |
| | | | xeon | 0 | 2.34 | 2.32 | 0.16 | 0.18 | 0.16 | 0.16 | 0.18 | 0.19 | 99% | 7% | 7% | 7% | 7% | 7% | 8% |
| | | | | 1 | 3.61 | 3.56 | 1.84 | 1.80 | 1.90 | 1.74 | 1.79 | 1.76 | 99% | 51% | 50% | 53% | 48% | 50% | 49% |
| | | | | 2 | 4.72 | 4.73 | 1.85 | 1.83 | 1.84 | 1.84 | 1.89 | 1.92 | 100% | 39% | 39% | 39% | 39% | 40% | 41% |
| | | | | 3 | 5.88 | 6.07 | 3.38 | 2.01 | 1.95 | 1.95 | 2.02 | 1.95 | 103% | 58% | 34% | 33% | 33% | 34% | 33% |
| | | | | 4 | 7.05 | 7.19 | 3.45 | 3.50 | 2.02 | 2.00 | 2.03 | 2.03 | 102% | 49% | 50% | 29% | 28% | 29% | 29% |
| | | | | 5 | 8.46 | 8.37 | 5.06 | 3.63 | 3.66 | 2.13 | 2.25 | 2.13 | 99% | 60% | 43% | 43% | 25% | 27% | 25% |
| unlogged | small | 100 | i5 | 0 | 3.06 | 3.01 | 1.67 | 1.11 | 0.90 | 0.87 | 0.88 | 0.91 | 98% | 55% | 36% | 30% | 29% | 29% | 30% |
| | | | | 1 | 6.95 | 6.82 | 4.52 | 3.72 | 3.31 | 3.47 | 3.35 | 3.40 | 98% | 65% | 54% | 48% | 50% | 48% | 49% |
| | | | | 2 | 9.31 | 8.98 | 4.77 | 4.11 | 3.70 | 3.81 | 3.79 | 3.88 | 96% | 51% | 44% | 40% | 41% | 41% | 42% |
| | | | | 3 | 11.43 | 11.14 | 7.30 | 4.24 | 4.17 | 4.08 | 4.18 | 4.24 | 97% | 64% | 37% | 36% | 36% | 37% | 37% |
| | | | | 4 | 13.82 | 13.81 | 7.88 | 6.91 | 4.44 | 4.49 | 4.59 | 4.45 | 100% | 57% | 50% | 32% | 32% | 33% | 32% |
| | | | | 5 | 16.70 | 16.38 | 10.26 | 7.22 | 7.27 | 5.51 | 5.53 | 5.62 | 98% | 61% | 43% | 44% | 33% | 33% | 34% |
| | | | xeon | 0 | 2.60 | 2.52 | 1.51 | 1.17 | 0.95 | 0.85 | 0.75 | 0.74 | 97% | 58% | 45% | 37% | 33% | 29% | 29% |
| | | | | 1 | 5.81 | 5.91 | 4.12 | 3.52 | 3.14 | 3.21 | 2.94 | 2.73 | 102% | 71% | 61% | 54% | 55% | 51% | 47% |
| | | | | 2 | 7.57 | 7.36 | 4.27 | 3.85 | 3.50 | 3.35 | 3.05 | 3.05 | 97% | 56% | 51% | 46% | 44% | 40% | 40% |
| | | | | 3 | 9.30 | 9.75 | 6.52 | 4.02 | 3.66 | 3.62 | 3.43 | 3.14 | 105% | 70% | 43% | 39% | 39% | 37% | 34% |
| | | | | 4 | 12.00 | 11.77 | 6.84 | 6.20 | 4.08 | 3.78 | 3.74 | 3.25 | 98% | 57% | 52% | 34% | 32% | 31% | 27% |
| | | | | 5 | 14.81 | 15.17 | 9.52 | 6.37 | 6.23 | 4.04 | 3.59 | 3.42 | 102% | 64% | 43% | 42% | 27% | 24% | 23% |
| | | 500 | i5 | 0 | 3.00 | 3.10 | 0.88 | 0.61 | 0.47 | 0.48 | 0.48 | 0.48 | 103% | 29% | 20% | 16% | 16% | 16% | 16% |
| | | | | 1 | 5.86 | 5.99 | 3.15 | 2.82 | 2.60 | 2.69 | 2.68 | 2.71 | 102% | 54% | 48% | 44% | 46% | 46% | 46% |
| | | | | 2 | 7.30 | 7.62 | 3.61 | 3.07 | 2.88 | 2.88 | 2.90 | 2.87 | 104% | 49% | 42% | 39% | 39% | 40% | 39% |
| | | | | 3 | 9.40 | 10.22 | 5.40 | 3.22 | 3.18 | 3.19 | 3.20 | 3.15 | 109% | 58% | 34% | 34% | 34% | 34% | 33% |
| | | | | 4 | 12.19 | 12.42 | 6.13 | 5.38 | 4.23 | 3.99 | 3.75 | 3.65 | 102% | 50% | 44% | 35% | 33% | 31% | 30% |
| | | | | 5 | 12.82 | 13.32 | 7.76 | 7.04 | 7.08 | 6.76 | 6.87 | 7.00 | 104% | 61% | 55% | 55% | 53% | 54% | 55% |
| | | | xeon | 0 | 2.64 | 2.64 | 0.78 | 0.60 | 0.49 | 0.41 | 0.35 | 0.34 | 100% | 30% | 23% | 18% | 16% | 13% | 13% |
| | | | | 1 | 4.79 | 4.91 | 2.92 | 2.60 | 2.55 | 2.47 | 2.44 | 2.18 | 103% | 61% | 54% | 53% | 52% | 51% | 46% |
| | | | | 2 | 6.35 | 6.07 | 3.04 | 2.87 | 2.47 | 2.54 | 2.38 | 2.23 | 96% | 48% | 45% | 39% | 40% | 38% | 35% |
| | | | | 3 | 7.85 | 7.87 | 4.61 | 2.81 | 2.78 | 2.53 | 2.53 | 2.54 | 100% | 59% | 36% | 35% | 32% | 32% | 32% |
| | | | | 4 | 8.89 | 9.35 | 4.97 | 4.70 | 2.83 | 2.72 | 2.77 | 2.44 | 105% | 56% | 53% | 32% | 31% | 31% | 27% |
| | | | | 5 | 10.93 | 11.05 | 6.52 | 4.83 | 4.61 | 2.69 | 2.66 | 2.49 | 101% | 60% | 44% | 42% | 25% | 24% | 23% |
| | | 1000 | i5 | 0 | 2.77 | 2.92 | 0.45 | 0.32 | 0.25 | 0.25 | 0.25 | 0.26 | 105% | 16% | 12% | 9% | 9% | 9% | 9% |
| | | | | 1 | 4.54 | 4.64 | 2.27 | 2.08 | 1.99 | 2.05 | 2.02 | 2.13 | 102% | 50% | 46% | 44% | 45% | 45% | 47% |
| | | | | 2 | 5.85 | 5.97 | 2.43 | 2.33 | 2.12 | 2.19 | 2.18 | 2.21 | 102% | 41% | 40% | 36% | 37% | 37% | 38% |
| | | | | 3 | 7.93 | 8.29 | 4.09 | 2.32 | 2.21 | 2.26 | 2.26 | 2.28 | 105% | 52% | 29% | 28% | 29% | 29% | 29% |
| | | | | 4 | 8.60 | 9.35 | 4.51 | 4.06 | 2.31 | 2.44 | 2.36 | 2.36 | 109% | 52% | 47% | 27% | 28% | 27% | 27% |
| | | | | 5 | 10.12 | 10.07 | 6.15 | 5.03 | 4.08 | 3.30 | 3.05 | 3.09 | 100% | 61% | 50% | 40% | 33% | 30% | 31% |
| | | | xeon | 0 | 2.50 | 2.49 | 0.40 | 0.32 | 0.26 | 0.22 | 0.20 | 0.18 | 100% | 16% | 13% | 10% | 9% | 8% | 7% |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1 | 4.12 | 4.08 | 2.12 | 2.01 | 1.94 | 1.88 | 1.84 | 1.72 | 99% | 51% | 49% | 47% | 46% | 45% | 42% |
| | | | | 2 | 5.18 | 5.28 | 2.13 | 2.11 | 1.96 | 1.86 | 1.82 | 1.79 | 102% | 41% | 41% | 38% | 36% | 35% | 35% |
| | | | | 3 | 6.53 | 6.54 | 3.71 | 2.13 | 2.09 | 1.97 | 1.99 | 1.97 | 100% | 57% | 33% | 32% | 30% | 30% | 30% |
| | | | | 4 | 8.18 | 7.46 | 3.71 | 3.61 | 2.22 | 2.17 | 2.04 | 1.96 | 91% | 45% | 44% | 27% | 26% | 25% | 24% |
| | | | | 5 | 9.69 | 8.70 | 5.41 | 3.63 | 3.57 | 2.10 | 1.98 | 2.01 | 90% | 56% | 37% | 37% | 22% | 20% | 21% |
| | | 5000 | i5 | 0 | 2.61 | 2.76 | 0.11 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 106% | 4% | 3% | 3% | 3% | 3% | 3% |
| | | | | 1 | 3.88 | 3.99 | 1.75 | 1.67 | 1.67 | 1.66 | 1.70 | 1.68 | 103% | 45% | 43% | 43% | 43% | 44% | 43% |
| | | | | 2 | 5.09 | 5.14 | 1.83 | 1.81 | 1.86 | 1.78 | 1.81 | 1.91 | 101% | 36% | 36% | 37% | 35% | 36% | 38% |
| | | | | 3 | 6.23 | 6.30 | 3.40 | 1.98 | 1.93 | 1.86 | 1.90 | 1.86 | 101% | 55% | 32% | 31% | 30% | 30% | 30% |
| | | | | 4 | 7.44 | 8.14 | 3.51 | 3.43 | 1.90 | 1.93 | 2.07 | 1.94 | 109% | 47% | 46% | 26% | 26% | 28% | 26% |
| | | | | 5 | 8.58 | 8.62 | 5.08 | 3.54 | 3.51 | 2.42 | 2.47 | 2.47 | 100% | 59% | 41% | 41% | 28% | 29% | 29% |
| | | | xeon | 0 | 2.44 | 2.40 | 0.10 | 0.08 | 0.07 | 0.06 | 0.06 | 0.06 | 98% | 4% | 3% | 3% | 3% | 2% | 2% |
| | | | | 1 | 3.59 | 3.58 | 1.70 | 1.60 | 1.65 | 1.53 | 1.55 | 1.55 | 100% | 47% | 45% | 46% | 43% | 43% | 43% |
| | | | | 2 | 4.59 | 4.72 | 1.71 | 1.62 | 1.72 | 1.57 | 1.55 | 1.60 | 103% | 37% | 35% | 37% | 34% | 34% | 35% |
| | | | | 3 | 5.80 | 5.79 | 3.11 | 1.71 | 1.68 | 1.68 | 1.67 | 1.75 | 100% | 54% | 29% | 29% | 29% | 29% | 30% |
| | | | | 4 | 6.71 | 6.87 | 3.27 | 3.10 | 1.93 | 1.76 | 1.70 | 1.77 | 102% | 49% | 46% | 29% | 26% | 25% | 26% |
| | | | | 5 | 7.83 | 8.04 | 4.71 | 3.13 | 3.24 | 1.93 | 1.76 | 1.99 | 103% | 60% | 40% | 41% | 25% | 23% | 25% |