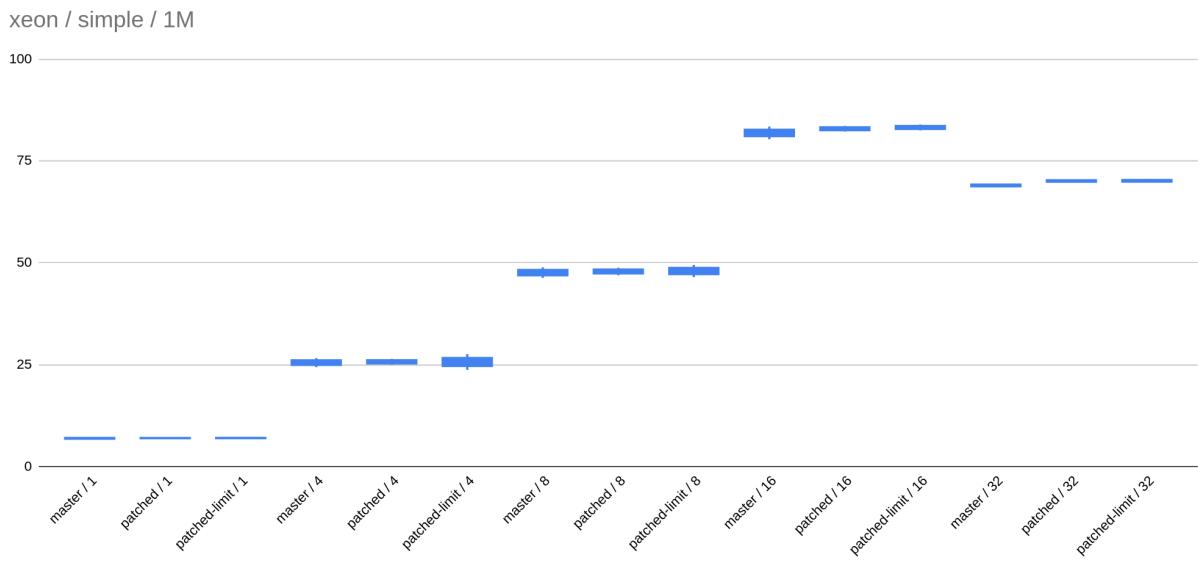
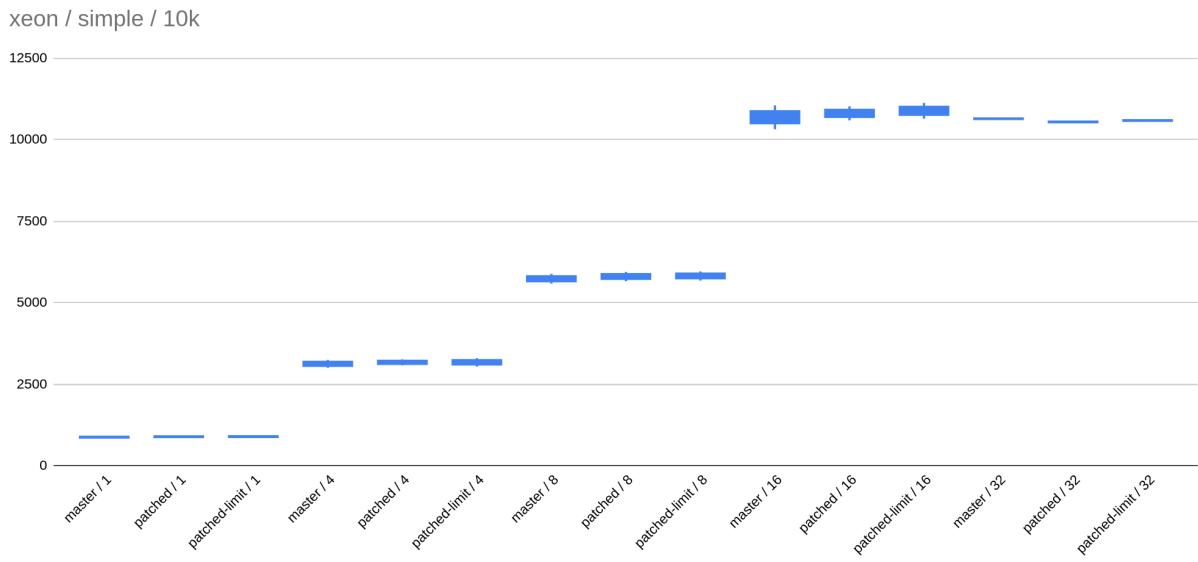
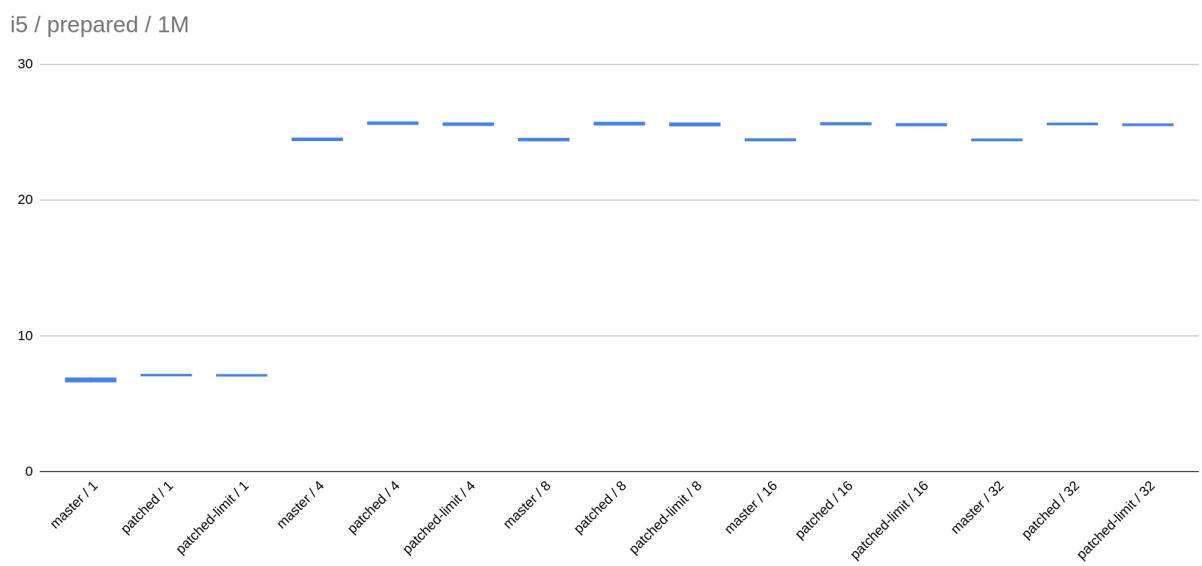
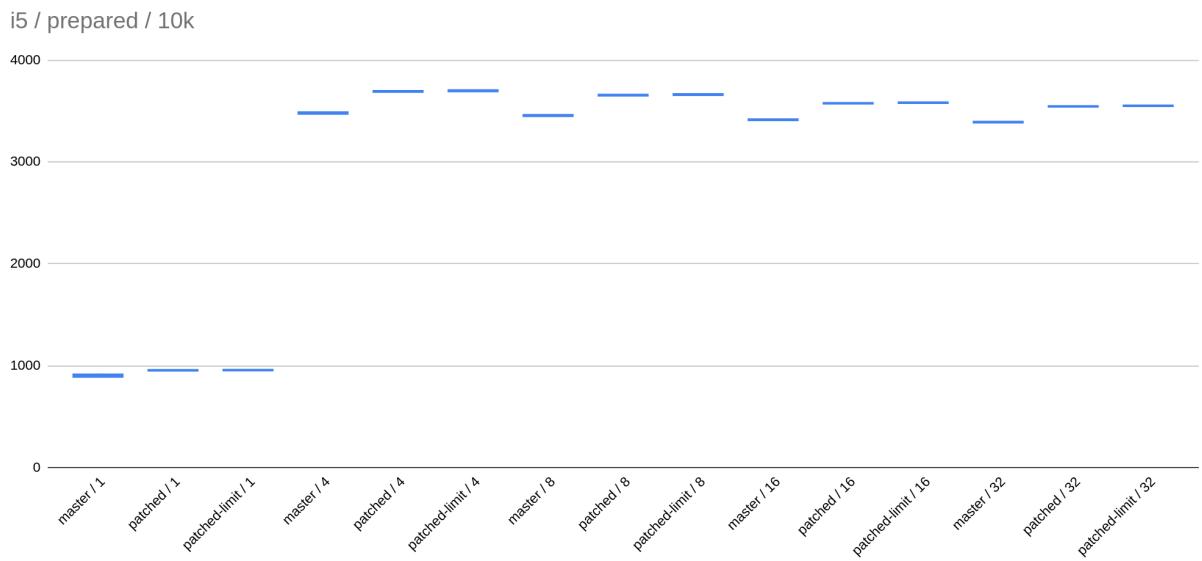


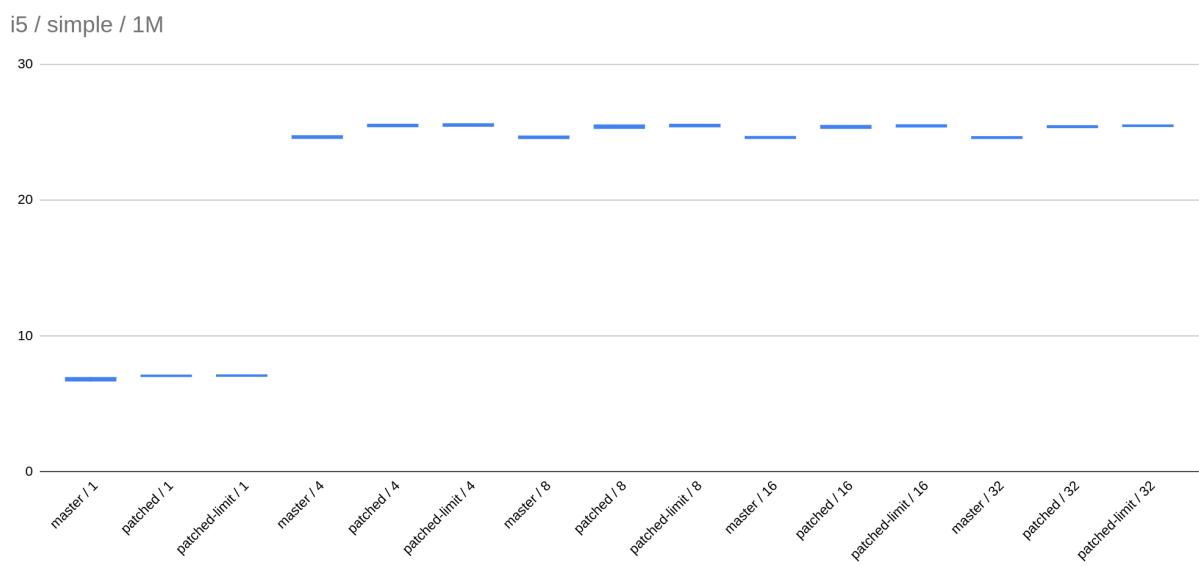
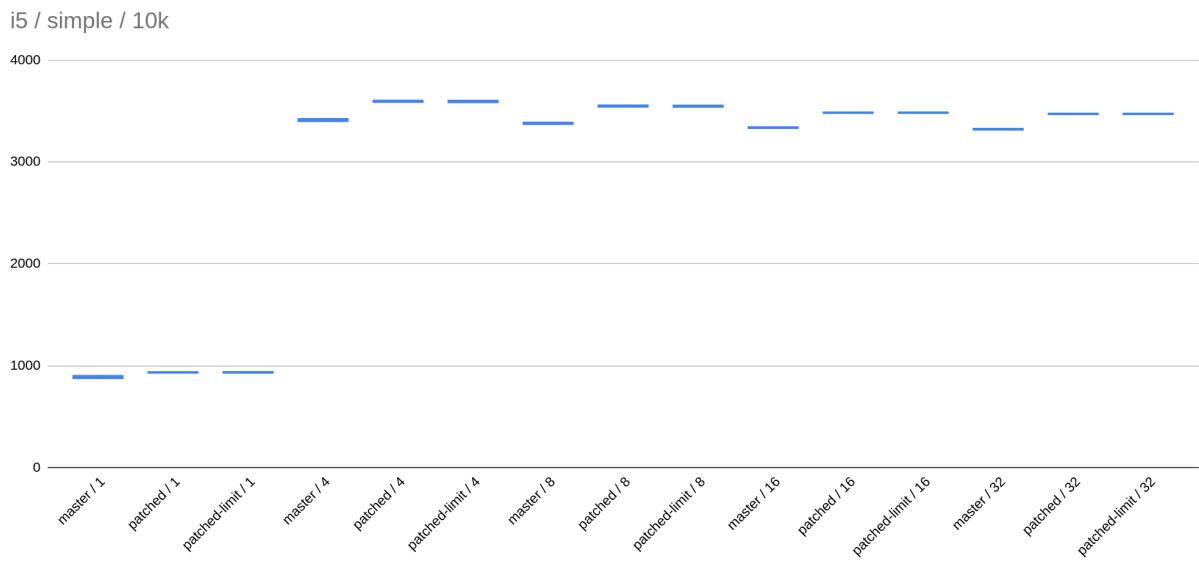
| scale   | clients | master |        | patched |        | patched-limit |        |
|---------|---------|--------|--------|---------|--------|---------------|--------|
|         |         | AVG    | STDDEV | AVG     | STDDEV | AVG           | STDDEV |
| 10000   | 1       | 904.0  | 9.7    | 956.3   | 1.4    | 958.1         | 1.3    |
|         | 4       | 3479.4 | 5.7    | 3691.2  | 3.0    | 3697.8        | 3.7    |
|         | 8       | 3454.9 | 4.0    | 3654.7  | 2.9    | 3660.4        | 3.1    |
|         | 16      | 3413.5 | 2.7    | 3574.7  | 1.2    | 3580.8        | 1.4    |
|         | 32      | 3390.0 | 2.3    | 3544.2  | 1.2    | 3550.3        | 1.2    |
| 1000000 | 1       | 6.8    | 0.1    | 7.1     | 0.0    | 7.1           | 0.0    |
|         | 4       | 24.5   | 0.0    | 25.6    | 0.0    | 25.6          | 0.0    |
|         | 8       | 24.4   | 0.0    | 25.6    | 0.1    | 25.5          | 0.1    |
|         | 16      | 24.4   | 0.0    | 25.6    | 0.0    | 25.5          | 0.0    |
|         | 32      | 24.4   | 0.0    | 25.6    | 0.0    | 25.5          | 0.0    |



| scale   | clients | master |        | patched |        | patched-limit |        |
|---------|---------|--------|--------|---------|--------|---------------|--------|
|         |         | AVG    | STDDEV | AVG     | STDDEV | AVG           | STDDEV |
| 10000   | 1       | 890.3  | 9.1    | 935.4   | 1.1    | 935.6         | 1.8    |
|         | 4       | 3410.6 | 8.5    | 3594.5  | 4.6    | 3592.5        | 5.8    |
|         | 8       | 3378.5 | 4.9    | 3547.7  | 4.2    | 3546.4        | 4.0    |
|         | 16      | 3336.3 | 2.1    | 3482.4  | 0.9    | 3482.7        | 0.9    |
|         | 32      | 3320.6 | 2.3    | 3470.7  | 0.7    | 3470.8        | 0.7    |
| 1000000 | 1       | 6.8    | 0.1    | 7.1     | 0.0    | 7.1           | 0.0    |
|         | 4       | 24.6   | 0.1    | 25.5    | 0.0    | 25.5          | 0.0    |
|         | 8       | 24.6   | 0.0    | 25.4    | 0.1    | 25.5          | 0.0    |
|         | 16      | 24.6   | 0.0    | 25.4    | 0.1    | 25.4          | 0.0    |
|         | 32      | 24.6   | 0.0    | 25.4    | 0.0    | 25.5          | 0.0    |



| scale   | clients | master  |        | patched |        | patched-limit |        |
|---------|---------|---------|--------|---------|--------|---------------|--------|
|         |         | AVG     | STDDEV | AVG     | STDDEV | AVG           | STDDEV |
| 10000   | 1       | 899.7   | 10.6   | 901.9   | 9.9    | 899.0         | 9.7    |
|         | 4       | 3188.1  | 61.2   | 3180.7  | 59.3   | 3185.8        | 63.5   |
|         | 8       | 5852.6  | 74.2   | 5872.1  | 72.2   | 5819.1        | 66.2   |
|         | 16      | 11025.7 | 152.3  | 11001.4 | 117.6  | 10995.9       | 104.4  |
| 1000000 | 1       | 7.0     | 0.1    | 7.0     | 0.0    | 7.0           | 0.0    |
|         | 4       | 25.6    | 0.5    | 25.5    | 0.7    | 25.4          | 1.0    |
|         | 8       | 47.7    | 0.7    | 47.5    | 0.6    | 47.8          | 0.5    |
|         | 16      | 82.0    | 1.0    | 82.1    | 0.3    | 82.4          | 0.2    |
| 32      | 1       | 69.0    | 0.2    | 70.0    | 0.2    | 70.1          | 0.2    |
|         | 4       | 25.6    | 0.5    | 25.5    | 0.7    | 25.4          | 1.0    |
|         | 8       | 47.7    | 0.7    | 47.5    | 0.6    | 47.8          | 0.5    |
|         | 16      | 82.0    | 1.0    | 82.1    | 0.3    | 82.4          | 0.2    |



| scale   | clients | master  |        | patched |        | patched-limit |        |
|---------|---------|---------|--------|---------|--------|---------------|--------|
|         |         | AVG     | STDDEV | AVG     | STDDEV | AVG           | STDDEV |
| 10000   | 1       | 877.9   | 11.4   | 891.9   | 9.5    | 895.4         | 10.1   |
|         | 4       | 3125.1  | 59.8   | 3170.7  | 45.8   | 3172.5        | 64.2   |
|         | 8       | 5733.0  | 75.0   | 5802.1  | 71.1   | 5819.1        | 70.5   |
|         | 16      | 10682.2 | 182.1  | 10800.8 | 107.5  | 10879.5       | 120.8  |
|         | 32      | 10637.1 | 6.4    | 10538.8 | 9.2    | 10581.8       | 8.0    |
| 1000000 | 1       | 7.0     | 0.1    | 7.0     | 0.0    | 7.1           | 0.0    |
|         | 4       | 25.5    | 0.6    | 25.7    | 0.4    | 25.7          | 1.0    |
|         | 8       | 47.6    | 0.6    | 47.9    | 0.5    | 48.0          | 0.7    |
|         | 16      | 81.9    | 0.8    | 82.9    | 0.3    | 83.2          | 0.4    |
|         | 32      | 69.0    | 0.2    | 70.1    | 0.2    | 70.1          | 0.2    |