CPU features:

```
Architecture:              x86_64
  CPU op-mode(s):          32-bit, 64-bit
  Address sizes:           46 bits physical, 48 bits virtual
  Byte Order:              Little Endian
CPU(s):                    80
  On-line CPU(s) list:     0-79
Vendor ID:                 GenuineIntel
  Model name:              Intel(R) Xeon(R) Gold 6248 CPU @ 2.50GHz
    CPU family:            6
    Model:                 85
    Thread(s) per core:    2
    Core(s) per socket:    20
    Socket(s):             2
    Stepping:              7
    CPU max MHz:           3900.0000
    CPU min MHz:           1000.0000
    BogoMIPS:              5000.00
```

```
Caches (sum of all):
  L1d:                     1.3 MiB (40 instances)
  L1i:                     1.3 MiB (40 instances)
  L2:                      40 MiB (40 instances)
  L3:                      55 MiB (2 instances)
NUMA:
  NUMA node(s):            2
  NUMA node0 CPU(s):       0-19,40-59
  NUMA node1 CPU(s):       20-39,60-79
```
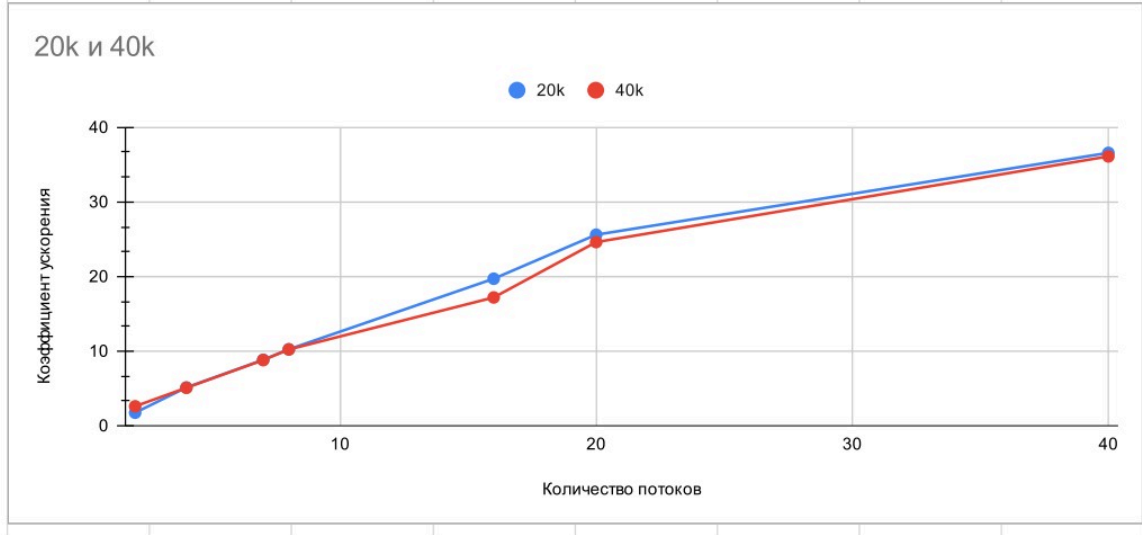
Server's name :
ProLiant XL270d Gen10
nodes' info:

```
available: 2 nodes (0-1)
node 0 cpus: 0 1 2 3 4 5
node 0 size: 385636 MB
node 0 free: 77226 MB
node 1 cpus: 20 21 22 23
node 1 size: 387008 MB
node 1 free: 226826 MB
node distances:
node   0   1
  0:  10  21
  1:  21  10
```

OS:
Ubuntu 22.04.3 LTS

M = N	Колличество потоков						
	2			4		7	
	T1	T2	S2	T4	S4	T7	S7
20к	~2.56	~1.47	1,74	~0.5	5,12	~0.29	8,83
40к	~10.83	~4.17	2,6	~2.13	5,08	~1.23	8,8

8		16		20		40	
T8	S8	T16	S16	T20	S20	T40	S40
~0.25	10,24	~0.13	19,7	~0.1	25,6	~0.07	36,57
~1.06	10,22	~0.63	17,19	~0.44	24,61	~0.3	36,1

20k и 40k

Conclusion:
Extensibility increases approximately linearly (almost in direct ratio with number of threads)