

Results:

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:

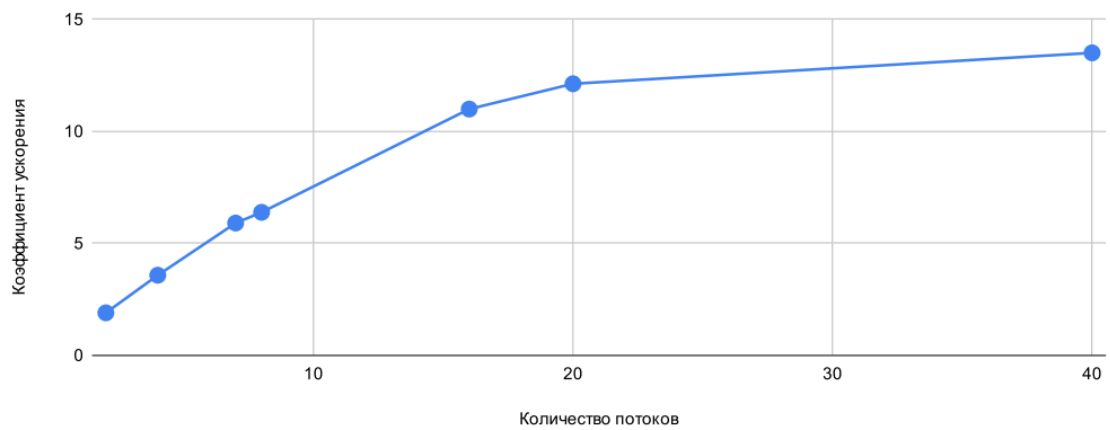
```
available: 2 nodes (0-1)
node 0 cpus: 0 1 2 3 4 5
node 0 size: 385636 MB
node 0 free: 77226 MB
node 1 cpus: 20 21 22 23
node 1 size: 387008 MB
node 1 free: 226826 MB
node distances:
node  0  1
  0:  10  21
  1:  21  10
```

OS:

Ubuntu 22.04.3 LTS

	Количество потоков						
	2			4		7	
	T1	T2	S2	T4	S4	T7	S7
40k	~0.473	~0.249	1,9	~0.132	3,58	~0.08	5,91
8		16		20		40	
T8	S8	T16	S16	T20	S20	T40	S40
~0.074	6,39	~0.043	11	~0.039	12,13	~0.035	13,51

Масштабируемость



Ак

Conclusion:

Extensibility increases approximately logarithmically