Poll with 500 concurrent connections

```
l5348 vivek      20    0    2772    1408    1408 S    4.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
l5348 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.72 poll
```

Peak cpu utalization 4%
Peak memory usage 0.1%

Poll with 1000 concurrent connections

```
15249 vivek      20    0    2772    1536    1408 S    5.0    0.1    0:00.00 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.00 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.00 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.00 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.00 poll
15249 vivek      20    0    2772    1536    1408 R    0.3    0.1    0:00.42 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.78 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.78 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.78 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.78 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.78 poll
15249 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:00.78 poll
```

Peak cpu utalization 5 %
Peak memory usage 0.1%

Poll with 3000 concurrent connections

```
l5851 vivek      20    0    2772    1408    1408 S    17.4    0.1    0:00.79 poll
l5851 vivek      20    0    2772    1408    1408 S    0.0     0.1    0:00.79 poll
l5851 vivek      20    0    2772    1408    1408 S    0.0     0.1    0:00.79 poll
l5989 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00 poll
l5989 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00 poll
l5989 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00 poll
l5989 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00 poll
l5989 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00 poll
l5989 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00 poll
l5989 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00 poll
```

Peak cpu utalization 17.4 %
Peak memory usage 0.1%

Epoll with 500 concurrent connections

```
16129 vivek      20    0    2772    1536    1408 S    4.6     0.1    0:00.00
16129 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00
16129 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00
16129 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00
16129 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00
u Software  k    20    0    2772    1536    1408 S    0.0     0.1    0:00.00
16129 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00
16129 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00
16129 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00
16129 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:00.00
```

Peak cpu utalization 4.6 %
Peak memory usage 0.1%

Epoll with 1000 concurrent connections

```
19051 vivek      20    0    2772    1536    1408 S    5.2     0.1    0:01.89 epoll
19051 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:01.89 epoll
19051 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:01.89 epoll
19051 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:01.89 epoll
19051 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:01.89 epoll
19051 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:01.89 epoll
19051 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:01.89 epoll
19051 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:01.89 epoll
19051 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:01.89 epoll
19051 vivek      20    0    2772    1536    1408 S    0.0     0.1    0:01.89 epoll
```

Peak cpu utalization 5.2 %
Peak memory usage 0.1%

Epoll with 3000 concurrent connections

```
19333 vivek      20   0    2772    1536    1408 S    6.2    0.1    0:00.69 e|
19333 vivek      20   0    2772    1536    1408 S    0.0    0.1    0:00.69 e|
19333 vivek      20   0    2772    1536    1408 S    0.0    0.1    0:00.69 e|
19333 vivek      20   0    2772    1536    1408 S    0.0    0.1    0:00.69 e|
19333 vivek      20   0    2772    1536    1408 S    0.0    0.1    0:00.69 e|
19333 vivek      20   0    2772    1536    1408 S    0.0    0.1    0:00.69 e|
19333 vivek      20   0    2772    1536    1408 S    0.0    0.1    0:00.69 e|
19333 vivek      20   0    2772    1536    1408 S    0.0    0.1    0:00.69 e|
19333 vivek      20   0    2772    1536    1408 S    0.0    0.1    0:00.69 e|
19333 vivek      20   0    2772    1536    1408 S    0.0    0.1    0:00.69 e|
```

Peak cpu utalization 6.2 %
Peak memory usage 0.1%

Select with 500 concurrent connections

```
20595 vivek      20   0    2772    1408    1408 S    17.1    0.1    0:01.58
20595 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:01.58 s
20595 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:01.58 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
```

Peak cpu utalization 17.1 %
Peak memory usage 0.1%

Select with 1000 concurrent connections

```
21074 vivek      20   0    2772    1408    1408 S    42.2    0.1    0:00.00
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
21074 vivek      20   0    2772    1408    1408 S    0.0    0.1    0:00.00 s
```

Peak cpu utalization 42.2 %
Peak memory usage 0.1%

Fork with 1000 concurrent connections

```
6906 vivek      20    0    2772    1152    1152 S    0.0    0.0    0:00.00 server
6906 vivek      20    0    2772    1152  · 1152 S    0.0    0.0    0:00.00 server
6906 vivek      20    0    2772    1280    1280 S    6.7    0.0    0:00.13 server
6906 vivek      20    0    2772    1280    1280 S    0.0    0.0    0:00.22 server
6906 vivek      20    0    2772    1280.   1280 S    0.0    0.0    0:00.30 server
6906 vivek      20    0    2772    1280    1280 S   12.5    0.0    0:00.43 server
6906 vivek      20    0    2772    1280    1280 R   56.2    0.0    0:01.22 server
```

Peak cpu utalization 56.2 %
Peak memory usage 0 %

Fork with 500 concurrent connections
```
7370 vivek      20    0  166692    1408    1280 S    0.0    0.0    0:00.02 server
7370 vivek      20    0  486336    1536    1280 S    0.0    0.0    0:00.09 server
7370 vivek      20    0  969900    2176    1280 S    0.0    0.1    0:00.41 server
7370 vivek      20    0 1150212    2176    1280 S    0.0    0.1    0:00.51 server
7370 vivek      20    0 1617384    2688    1280 S    0.0    0.1    0:00.72 server
7370 vivek      20    0 1904244    2944    1280 S    0.0    0.1    0:00.88 server
7370 vivek      20    0 2117340    3072    1280 S    0.0    0.1    0:01.00 server
7370 vivek      20    0 2273064    3456    1280 S   20.0    0.1    0:01.25 server
7370 vivek      20    0 2486160    3584    1280 S   26.7    0.1    0:01.35 server
7370 vivek      20    0 3076272    4224    1280 R   20.0    0.1    0:01.44 server
7370 vivek      20    0 3395916    4352    1280 R    6.7    0.1    0:01.58 server
7370 vivek      20    0 3830436    4992    1280 S    0.0    0.1    0:01.73 server
```

Peak cpu utalization 26.7 %
Peak memory usage 0.1%

Fork with 3000 concurrent connections
```
6906 vivek      20    0    2772    1280    1280 R   62.5    0.0    0:13.27 server
6906 vivek      20    0    2772    1280    1280 R   73.3    0.0    0:14.32 server
6906 vivek      20    0    2772    1280    1280 R   62.5    0.0    0:15.44 server
6906 vivek      20    0    2772    1280    1280 S    0.0    0.0    0:16.15 server
6906 vivek      20    0    2772    1280    1280 S    0.0    0.0    0:16.16 server
6906 vivek      20    0    2772   .1280    1280 S    0.0    0.0    0:16.16 server
6906 vivek      20    0    2772    1280    1280 S    0.0    0.0    0:16.16 server
6906 vivek      20    0    2772    1280    1280 S    0.0    0.0    0:16.16 server
6906 vivek      20    0    2772    1280    1280 S    0.0    0.0    0:16.16 server
6906 vivek      20    0    2772    1280    1280 S    0.0    0.0    0:16.16 server
```

Peak cpu utalization 73.3 %
Peak memory usage 0 %

Pthread 500 concurrent connections

```
20598 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:01.58
20598 vivek      20    0    2772    1408    1408 S   17.1    0.1    0:01.58
20598 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:01.58
20598 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:01.58
21074 vivek      20    0    2772    1408    1408 S   12.2    0.1    0:00.00
21074 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.00
21074 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.00
21074 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.00
21074 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.00
21074 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:00.00
```

Peak cpu utalization 17.1 %
Peak memory usage 0.1 %

Pthread 1000 concurrent connections

```
20571 vivek      20    0    2772    1408    1408 S   68.8    0.1    0:01.53
20571 vivek      20    0    2772    1408    1408 S   42.0    0.1    0:01.53
20571 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:01.53
20571 vivek      20    0    2772    1408    1408 S   12.2    0.1    0:01.53
20571 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:01.53
20571 vivek      20    0    2772    1408    1408 S    0.0    0.1    0:01.53
```

Peak cpu utalization 68.8 %
Peak memory usage 0.1 %

Pthread 3000 concurrent connections

```
16810 vivek      20    0    2772    1536    1408 R   93.3    0.1    0:03.58
16810 vivek      20    0    2772    1536    1408 R   93.3    0.1    0:04.69
16810 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:05.57
16810 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:05.57
16810 vivek      20    0    2772    1536    1408 S    0.0    0.1    0:05.57
```

Peak cpu utalization 93.3 %
Peak memory usage 0.1 %

Select is not efficient as compare to poll and epoll .As select cannot handle (fd>1024)
Poll and epoll can manage large number of client.
Fork and pthread uses high cpu utilization as compare to select,poll and epoll