



CPU utilization high due to high nwk_lg domain

https://kb-stage.netapp.com/on-prem/ontap/Perf/Perf-KBs/CPU_utilization_high_due_to_high_nwk_lg_d...

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Applies to

ONTAP 9

Issue

- CPU utilization high

Example:

```
cluster::*> run -node node1 sysstat 1
CPU      NFS      CIFS     HTTP     Net      kB/s    Disk   kB/s    Tape   kB/s
Cache
                                                in      out     read  write  read
write    age
```

```

53%    5324    48229      0    38327    6833    127216 390644      0
0      6s
64%    6208    38916      0    64143    10034    419764 1445352     0
0      6s
50%    26610    51969      0    73790     8921    119760 382280      0
0      6s
53%    29072    57445      0   125694    10797    106164 408976      0
0      6s
89%    15387    45833      0   120733     8356    176208 521896      0
0     10s
99%    15003    48234      0   131641     7639    190944 511900      0
0      2
 99%   12012    64723      0   105238    16576    373572 512840      0
0      0s
99%   15154    35868      0   148367    13014    255076 405512      0
0      2
 99%   12834    34674      0   115071     6865    215028 550032      0
0      2
 99%   12465    32334      0   133452    17632    414064 679288      0
0      2
 99%   13036    37854      0   126981     8369    204972 402760      0
0      3
CPU      NFS      CIFS      HTTP      Net      kB/s      Disk      kB/s      Tape      kB/s
Cache
                                         in      out      read  write      read
write   age
99%   13897    33801      0   141796     3869    104280 335868      0
0      2
 99%   12403    30245      0    87923     9940    319380 821176      0
0     2s
99%   10065    29574      0   172745     8461    158264 417404      0
0     2s
99%   11967    33489      0   154454     9136    206668 564908      0
0      3
 99%   11428    34399      0    81521     3313    136904 391944      0
0      2

```

- CPU utilization high with high nwk_lg domain.

```
cluster::> node run -node <node_name>
node> priv set diag
node*> sysstat -M
```

Example:

- a huge amount of fragments received from output of "netstat -s".

Example:

```
> ip:
>          645136792449 total packets received
>          154113333490 fragments received
<<< Here>>>
>          7271533072 packets reassembled ok
>          464498769419 packets sent from this host
>          801059272 output datagrams
fragmented
>          13545054029 fragments
created
> icmp:
>          Output histogram:
>                  echo reply: 19561080
>                  destination unreachable:
273761
>          Input histogram:
>                  echo reply: 5331332
>                  destination unreachable: 708
>                  echo: 19561716
>                  time exceeded: 8556
```

- NFS over UDP.