

How to get Information's about CPU Speed and available Memory

Sometimes it can be necessary to know the CPU speed and/or the amount of available memory. The DNP/2486 embedded Linux O/S offers some more information within the process file system directory `/proc`.

- **1. Step:** The Linux process file system offers some information about the CPU speed. To show this information please enter the Linux command `cat /proc/cpuinfo`:

```
root:~>cat /proc/cpuinfo
processor          : 0
vendor_id        : unknown
cpu family       : 4
model            : 0
model name       : 486
stepping         : unknown
fdiv_bug        : no
hlt_bug         : no
f00f_bug        : no
coma_bug        : no
fpu             : no
fpu_exception   : no
cpuid level     : -1
wp              : yes
flags           :
bogomips        : 98.04
root:~>
```

- **2. Step:** The Linux process file system offers also some information about the amount of available memory. To show this system information please enter the Linux command `cat /proc/meminfo`:

```
root:~>cat /proc/meminfo
MemTotal:        61712 kB
MemFree:         45912 kB
Buffers:         1364 kB
Cached:          9116 kB
SwapCached:      0 kB
Active:          8912 kB
Inactive:        3760 kB
HighTotal:       0 kB
HighFree:        0 kB
LowTotal:        61712 kB
LowFree:         45912 kB
SwapTotal:       0 kB
```

```
SwapFree:          0 kB
Dirty:             40 kB
Writeback:         0 kB
AnonPages:        2212 kB
Mapped:           2432 kB
Slab:             2532 kB
PageTables:       136 kB
NFS_Unstable:     0 kB
Bounce:           0 kB
CommitLimit:     30856 kB
Committed_AS:    4996 kB
VmallocTotal:    974544 kB
VmallocUsed:      324 kB
VmallocChunk:    973940 kB
root:~>
```

That is all.