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Subject: PROC/CPU statistics inside DCL/IDL ?

Posted by [dutch](#) on Mon, 22 Jun 1992 08:53:18 GMT

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I need an efficient method of regularly extracting details of the TOPCPU process on each node of a VaxCluster every 10-30 seconds or so (preferably inside IDL). The data could be returned in DCL symbols or logicals, which can be easily passed into IDL.

The specific information I need is: Process name, PID and %CPU usage of the top process.

My current solution involves regularly spawning the MONITOR utility to produce a summary file from which the data is subsequently extracted. This method is quite inefficient (requires spawning a child process and I/O to an ASCII file).

Has anybody out there written an equivalent utility using DCL lexical functions or Vax MACRO, which they are willing to share with me?

I know that Thomson CSF have written a LOAD\_STAT/LOAD\_DISK utility which loads some system data into LOGICALS and also to disk. Unfortunately the only CPU data which seems to be readily available is total CPU usage on each node. In order to identify the process which is using the most CPU, I think you need to do a wildcard search of the data structures of EACH process (PHD/PCB/JIB)?. Is this correct? Has anybody done this, with the necessary timing calls?

```
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# No fancy quote this time! (Virgin announcement!) #  
#####
```

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