

etop

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Programowanie w języku Erlang, laboratorium

informacje ogólne

zasada działania:

wyświetla listę procesów na wybranym węźle w regularnych odstępach czasowych (co 5 sek.)

inne informacje:

- element narzędzia observer
- zawarty w dystrybucji **erlanga**
- analogiczny do polecenia unixowego top

wynik działania

```
=====
'kalafior@Morawiec-PC'                                     13:55:13
Load:  cpu          3          Memory: total          16175    binary          96
      procs         973        processes      11920    code           2503
      runq          938        atom           147     ets            140

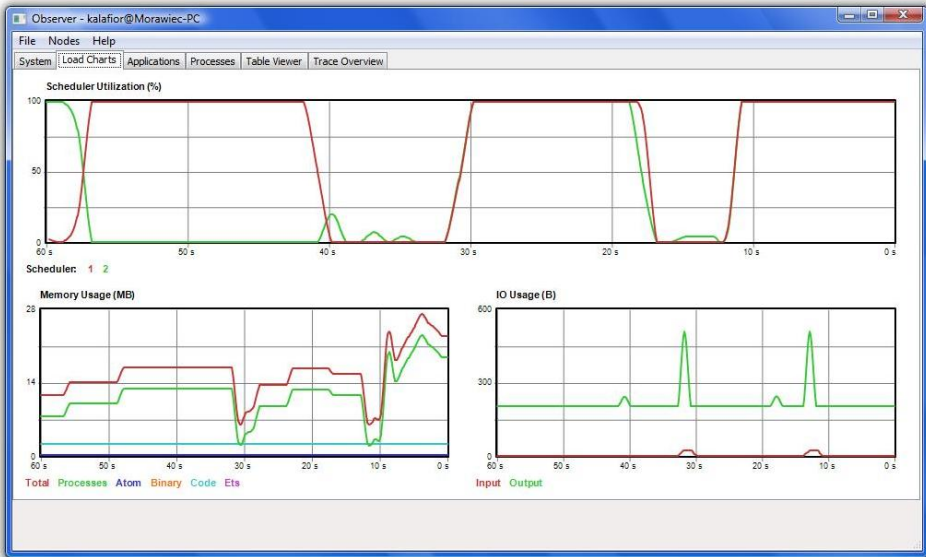
Pid          Name or Initial Func      Time    Reds  Memory  MsgQ  Current Function
-----
<5197.26962.0> c2                      63732  131814 4472396  442  pFactorial:calc2/2
<5197.26959.0> c1                      31975   5879   2848    0  pFactorial:calc2/1
<5197.29922.0> pFactorial:fact/1          16053   2001   17128    0  pFactorial:fact/3
<5197.29876.0> pFactorial:fact/1          15997   2001   17128    0  pFactorial:fact/3
<5197.29814.0> pFactorial:fact/1          15996   2001   17128    0  pFactorial:fact/3
<5197.29859.0> pFactorial:fact/1          15996   2001   17128    0  pFactorial:fact/3
<5197.29864.0> pFactorial:fact/1          15996   2001   17128    0  pFactorial:fact/3
<5197.29821.0> pFactorial:fact/1          15995   2001   17128    0  pFactorial:fact/3
<5197.29826.0> pFactorial:fact/1          15995   2001   17128    0  pFactorial:fact/3
<5197.29839.0> pFactorial:fact/1          15995   2001   17128    0  pFactorial:fact/3
=====
```

Observer - kalafior@Morawiec-PC

File View Trace Nodes Help

System Load Charts Applications **Processes** Table Viewer Trace Overview

Pid	Name or Initial Func	Reds	Memory	MsgQ	Current Function
<9615.7895.0>	c2	131472	4473624	432	pFactorial:calc2/2
<9615.46.0>	appmon_info	16110	71408	0	gen_server:loop/6
<9615.7893.0>	c1	8016	2848	0	pFactorial:spawnall/2
<9615.50.0>	net_kernel:spawn_func/6	4989	37876	1	erlang:sched_wall_time/2
<9615.31.0>	erlang:apply/2	2209	61104	0	shell:shell_rep/4
<9615.10660.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10661.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10662.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10663.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10664.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10665.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10666.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10667.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10668.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10669.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10670.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10671.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10672.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10673.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10674.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10675.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10676.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10677.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10678.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3
<9615.10679.0>	pFactorial:fact/1	2001	17128	0	pFactorial:fact/3



uruchamianie

```
etop:start().
```

Opcje:

- ▶ node
- ▶ setcookie
- ▶ lines
- ▶ interval
- ▶ accumulate
- ▶ sort
- ▶ tracing

uruchamianie II

gui:

```
observer:start().
```

odpowiedni sposób uruchamiania węzła:

```
$ erl -sname etop -hidden -s etop
```

```
$ erl -sname observer -hidden -s observer
```

przykłady:

```
$ erl -sname etop -hidden -s etop \  
> -node kalafior@Morawiec-PC -setcookie MyCookie  
> -lines 20
```

```
etop:start([ {node, 'kalafior@Morawiec-PC'},  
             {setcookie, 'MyCookie'}, {lines, 20} ]).
```

inne funkcje

- ▶ `help()`
- ▶ `config(Key, Value)`
- ▶ `dump(File)`
- ▶ `stop()`

koniec

Więcej informacji:

`...erl6.1/lib/observer-2.0.1/src/etop.erl`

`http://www.erlang.org/doc/man/observer.html`