

# Monitoring Resources

## System:

- » CPU usage
- » memory usage
- » swap usage
- » disk activity
- » network activity

## Database:

- » server availability
- » query result values
- » values recently appended to database table (based on timestamp column)

## Logfile:

- » parsing lines recently appended to file using regular expression (for log files, etc.)

## File:

- » file existence
- » size
- » modification time

## Filesystem:

- » free space on filesystem

## SNMP:

- » object values
- » trap notifications

## Email:

- » SMTP server availability

## HTTP:

- » request status
- » response
- » latency

## SOAP:

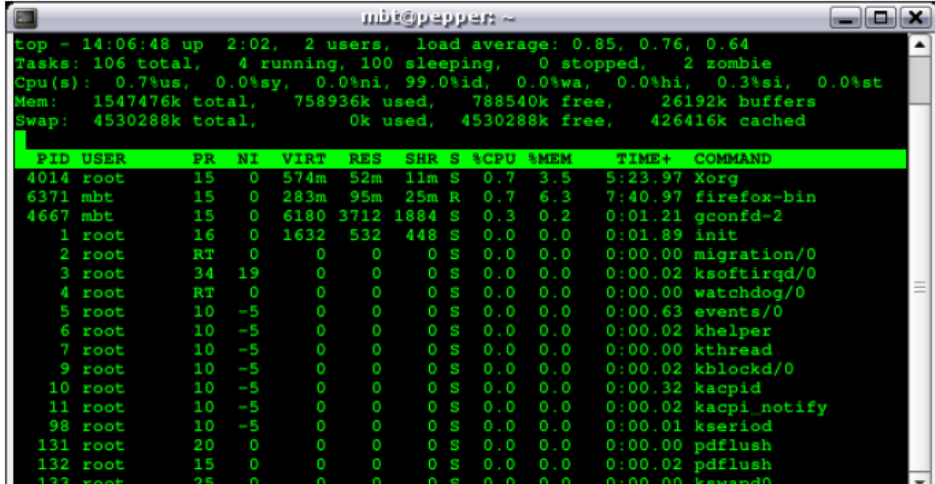
- » request status
- » responses
- » latency

## JMX:

- » attribute values
- » attribute change notifications

## Script:

- » values provided by arbitrary executed command



```
mbt@pepper: ~
top - 14:06:48 up 2:02, 2 users, load average: 0.85, 0.76, 0.64
Tasks: 106 total, 4 running, 100 sleeping, 0 stopped, 2 zombie
Cpu(s): 0.7%us, 0.0%sy, 0.0%ni, 99.0%id, 0.0%wa, 0.0%hi, 0.3%si, 0.0%st
Mem: 1547476k total, 758936k used, 788540k free, 26192k buffers
Swap: 4530288k total, 0k used, 4530288k free, 426416k cached

  PID USER      PR  NI  VIRT  RES  SHR  S  %CPU  %MEM    TIME+  COMMAND
 4014 root        15   0   574m  52m  11m  S   0.7   3.5    5:23.97 Xorg
 6371 mbt         15   0   283m  95m  25m  R   0.7   6.3    7:40.97 firefox-bin
 4667 mbt         15   0   6180 3712 1884  S   0.3   0.2    0:01.21 gconfd-2
   1 root         16   0   1632  532  448  S   0.0   0.0    0:01.89 init
   2 root         RT   0     0     0     0  S   0.0   0.0    0:00.00 migration/0
   3 root         34  19     0     0     0  S   0.0   0.0    0:00.02 ksoftirqd/0
   4 root         RT   0     0     0     0  S   0.0   0.0    0:00.00 watchdog/0
   5 root         10  -5     0     0     0  S   0.0   0.0    0:00.63 events/0
   6 root         10  -5     0     0     0  S   0.0   0.0    0:00.02 khelper
   7 root         10  -5     0     0     0  S   0.0   0.0    0:00.00 kthread
   9 root         10  -5     0     0     0  S   0.0   0.0    0:00.02 kblockd/0
  10 root         10  -5     0     0     0  S   0.0   0.0    0:00.32 kacpid
  11 root         10  -5     0     0     0  S   0.0   0.0    0:00.02 kacpi_notify
  98 root         10  -5     0     0     0  S   0.0   0.0    0:00.01 kseriod
 131 root        20   0     0     0     0  S   0.0   0.0    0:00.00 pdflush
 132 root        15   0     0     0     0  S   0.0   0.0    0:00.02 pdflush
 133 root        25   0     0     0     0  S   0.0   0.0    0:00.00 kswapd0
```