



Sysinfo - собираем информацию о удаленном сервере

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Продолжая тему утилит для сбора информации о "железе", рассмотрим такой инструмент как **sysinfo**. Установку утилиты выполним из системы портов:

```
# cd /usr/ports/sysutils/sysinfo && make install clean && rehash
```

Утилита совместима с **dmidecode** и **portaudit**, однако для чистоты эксперимента отказался от интеграции с этими инструментами.

Установка завершена... Перед запуском советую ознакомиться с возможностями утилиты:

```
# sysinfo help
```

```
SysInfo v1.0.1 by Daniel Gerzo for FreeBSD Operating System
```

```
Usage: sysinfo [-a] [-c] [-d] [-h] [-v] [-v [level]] module ...
```

```
The following options are available
```

```
-a      Display complete system information
-c      Toggle colorful output (useful when redirecting the output to the file)
        The default value can be set in the configuration file
-d      Toggle debug mode
        The default value can be set in the configuration file
-h      Print this help
-i      Toggle info messages
        The default value can be set in the configuration file
-v [level]  Verbose level (0-1), default is 0 (no verbose output)
        The default value can be set in the configuration file
-V      Display version and exit
module  Display the system information related to the specified subsystem type
        The following values are supported:
  bios   BIOS information
  cpu    CPU details
  mem    Memory details
  misc   Miscellaneous information
  network Network related details
  os     Operating system details
  packages Information about installed packages
  services Information about system services
  storage Details about storage system
  system System information (hardware related)
  user   User related information
```

```
The configuration variables can be set in the /usr/local/etc/sysinfo.conf file.
```

```
For more information please see the sysinfo(8) manual page.
```

Что ж... Посмотрим на результаты диагностики, чтобы оценить "возможности" утилиты.

Пример. Информация о процессоре:

```
# sysinfo cpu
```

```
Generated by SysInfo v1.0.1 by Daniel Gerzo
```

```
CPU information
```

```
Machine class: i386
```



CPU Model: Intel(R) Celeron(R) CPU 2.80GHz
No. of Cores: 1
Cores per CPU:

WARNING: Your CPU supports amd64 architecture, however you are running i386.
WARNING: You may want to switch to amd64 to get a better performance.

CPU usage statistics:
CPU: 0.0% user, 0.0% nice, 0.4% system, 0.0% interrupt, 99.6% idle

Пример. Информация о материнской плате:

sysinfo system

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System information

WARNING: You will need to install the sysutils/dmidecode port in order to obtain this information.

Graphic card information:

vendor='Intel Corporation'
device='82945G Integrated Graphics Controller'
INFO: Check pciconf(8) for more information.

PCI devices with no driver attached:

none0@pci0:0:29:0: class=0x0c0300 card=0x72671462 chip=0x27c88086 rev=0x01 hdr=0x00
none1@pci0:0:29:1: class=0x0c0300 card=0x72671462 chip=0x27c98086 rev=0x01 hdr=0x00
none2@pci0:0:29:2: class=0x0c0300 card=0x72671462 chip=0x27ca8086 rev=0x01 hdr=0x00
none3@pci0:0:29:3: class=0x0c0300 card=0x72671462 chip=0x27cb8086 rev=0x01 hdr=0x00
none4@pci0:0:29:7: class=0x0c0320 card=0x72671462 chip=0x27cc8086 rev=0x01 hdr=0x00
none5@pci0:0:31:3: class=0x0c0500 card=0x72671462 chip=0x27da8086 rev=0x01 hdr=0x00

Также есть возможность посмотреть "все и вся", используя ключ **-a**:

sysinfo -a

Generated by SysInfo v1.0.1 by Daniel Gerzo

System information

WARNING: You will need to install the sysutils/dmidecode port in order to obtain this information.

Graphic card information:

vendor='Intel Corporation'
device='82945G Integrated Graphics Controller'
INFO: Check pciconf(8) for more information.

PCI devices with no driver attached:

none0@pci0:0:29:0: class=0x0c0300 card=0x72671462 chip=0x27c88086 rev=0x01 hdr=0x00
none1@pci0:0:29:1: class=0x0c0300 card=0x72671462 chip=0x27c98086 rev=0x01 hdr=0x00
none2@pci0:0:29:2: class=0x0c0300 card=0x72671462 chip=0x27ca8086 rev=0x01 hdr=0x00
none3@pci0:0:29:3: class=0x0c0300 card=0x72671462 chip=0x27cb8086 rev=0x01 hdr=0x00
none4@pci0:0:29:7: class=0x0c0320 card=0x72671462 chip=0x27cc8086 rev=0x01 hdr=0x00
none5@pci0:0:31:3: class=0x0c0500 card=0x72671462 chip=0x27da8086 rev=0x01 hdr=0x00

BIOS information

WARNING: You will need to install the sysutils/dmidecode port in order to obtain this information.



CPU information

Machine class: i386
CPU Model: Intel(R) Celeron(R) CPU 2.80GHz
No. of Cores: 1
Cores per CPU:

WARNING: Your CPU supports amd64 architecture, however you are running i386.
WARNING: You may want to switch to amd64 to get a better performance.

CPU usage statistics:

CPU: 0.0% user, 0.0% nice, 1.1% system, 0.0% interrupt, 98.9% idle

RAM information

Memory information from dmidecode(8)

WARNING: You will need to install the sysutils/dmidecode port in order to obtain this information.

System memory summary

Total real memory available: 506 MB
Logically used memory: 200 MB
Logically available memory: 306 MB

Swap information

Device	1K-blocks	Used	Avail	Capacity
/dev/ad0s1b	1048576	0B	1.0G	0%

Operating system information

Operating system release: FreeBSD 7.2-PRERELEASE
OS architecture: i386
Hostname: test.muff.kiev.ua
Kernel build dir location: /usr/obj/usr/src/sys/VIDEO
Currently booted kernel: /boot/kernel/kernel

Currently loaded kernel modules (kldstat(8)):

if_vlan.ko

linux.ko

star_saver.ko

WARNING: The if_vlan.ko module is loaded, however it is not being loaded upon the system boot time from /boot/loader.conf.

WARNING: The linux.ko module is loaded, however it is not being loaded upon the system boot time from /boot/loader.conf.

WARNING: The star_saver.ko module is loaded, however it is not being loaded upon the system boot time from /boot/loader.conf.

INFO: For security recommendations see the security(7) man page.

INFO: For system tuning advice, see the tuning(7) man page.

INFO: To view various system statistics use the systat(1) tool.

Bootloader settings

The /boot/loader.conf has the following contents:

INFO: See the loader.conf(5) manual page for more information.

System uptime:

System is up since Fri Jan 13 16:18:59 2012

4:11AM up 5 days, 11:53, 1 user, load averages: 0.32, 0.09, 0.03

Process statistics:



54 processes: 1 running, 52 sleeping, 1 zombie

Crash dumps:

```
-rw----- 1 root wheel 104755200 Mar 22 2009 /var/crash/vmcore.0
-rw----- 1 root wheel 91242496 Mar 22 2009 /var/crash/vmcore.1
-rw----- 1 root wheel 95207424 Mar 22 2009 /var/crash/vmcore.2
-rw----- 1 root wheel 95408128 Mar 22 2009 /var/crash/vmcore.3
-rw----- 1 root wheel 91676672 Mar 22 2009 /var/crash/vmcore.4
-rw----- 1 root wheel 93384704 Mar 23 2009 /var/crash/vmcore.5
-rw----- 1 root wheel 94994432 Mar 23 2009 /var/crash/vmcore.6
-rw----- 1 root wheel 93900800 Mar 23 2009 /var/crash/vmcore.7
-rw----- 1 root wheel 93433856 Mar 23 2009 /var/crash/vmcore.8
-rw----- 1 root wheel 44396544 Aug 16 2010 /var/crash/vmcore.9
```

INFO: See <http://www.freebsd.org/doc/en/books/developers-handbook/kerneldebug.html> [1] to find out how to debug kernel crash dumps

Storage information

Available hard drives:

ad0: 76318MB <Seagate ST380817AS 3.42> at ata0-master SATA150

Raid controllers:

Currently mounted filesystems:

```
/dev/ad0s1a on /
devfs on /dev
/dev/ad0s1e on /home
/dev/ad0s1d on /usr
/dev/ad0s1g on /usr/local/www/video.valor.net.ua/db1
/dev/ad0s1f on /var
```

I/O statistics:

```
      tty      ad0      cpu
tin tout KB/t tps MB/s us ni sy in id
  0   7 6.70  2 0.01  0  0  0  0 99
```

INFO: Run iostat(8) or gstat(8) to see live statistics.

Disk usage:

Filesystem	Size	Used	Avail	Capacity	Mounted on
/dev/ad0s1a	496M	157M	299M	35%	/
devfs	1.0K	1.0K	0B	100%	/dev
/dev/ad0s1e	1.9G	1.6G	165M	91%	/home
/dev/ad0s1d	15G	6.5G	6.9G	49%	/usr
/dev/ad0s1g	24G	6.6G	16G	30%	/var

Network information

hostname: test.muff.kiev.ua

Currently available network devices:

re0 lo0 vlan8

Basic configuration for currently available NICs:

re0: status: active

MAC address:

00:19:e0:74:45:0a



No IP addresses are associated to this NIC.

Input errors: 0
Output errors: 0
Collisions: 0

lo0 ():

IPv4 addresses:
127.0.0.1 netmask 0xff000000

Input errors: 0
Output errors: 0
Collisions: 0

vlan8 (): status: active

MAC address:
00:19:e0:74:45:0a
IPv4 addresses:
195.3.159.254 netmask 0xfffffff8
vlan: 8 parent interface: re0

Input errors: 0
Output errors: 0
Collisions: 0

INFO: Check ifconfig(8) for more information.

Default route:

195.3.159.249 via vlan8
INFO: For a complete routing table please run netstat -rn.

Firewall related information:

There are 15 rules in /etc/hosts.allow (-rw-r--r--) which affect inetd(8) operation and services linked against libwrap.

INFO: Check the hosts_options(5) manual page for more information.

IPFIREWALL (IPFW) is enabled.

Firewall type is set to UNKNOWN.

INFO: Check the /etc/rc.firewall (-rw-r--r--) file for its configuration.

INFO: More information about IPFW can be found at
<http://www.freebsd.org/doc/en/books/handbook/firewalls-ipfw.html>.

Resolver name servers:

8.8.8.8

Socket statistics:

There are currently 23 listening (15 TCP/8 UDP) and 2 established connections.

INFO: For more information please see sockstat(8) manual.

User related information

There are 9 local users (uid > 1000) and 20 system users (uid < 1000).

There are 6 local groups (gid > 1000) and 27 system groups (gid < 1000).

Users in wheel group (allowed to use su(1)):

root,toor,muff,oki,artem,root

Currently logged-in users:



muff p0 193.227.206.114 4:02AM - w -hi

Top 10 logged-in users this month:

muff 5.45

Last login dates per user:

muff ttyp0 192.168.206.114 Thu Jan 19 04:02:40 2012
oki ttyp1 192.168.0.2 Fri Mar 27 15:48:04 2009
artem ttyp2 89.162.237.222 Thu May 13 15:54:35 2010

Information related to services

Running services

apache22 is running as pid 673.
cron is running as pid 716.
devd is running as pid 378.
mysql is running as pid 659.
ntpd is running as pid 538.
sendmail_clientmqueue is running as pid 710.
sendmail_submit is running as pid 704.
snmpd is running as pid 662.
sshd is running as pid 697.
syslogd is running as pid 445.
ucc is running as pid 641.

Not running services

bgpd is not running.
ffserver is not running.
htcacheclean is not running.
isisd is not running.
nmbd is not running.
ospf6d is not running.
ospfd is not running.
proftpd is not running.
ripd is not running.
ripngd is not running.
smbd is not running.
snmptrapd is not running.
teamspeak is not running.
verlihub is not running.
watchquagga is not running.
winbindd is not running.
wpa_supplicant is not running.
zebra is not running.

INFO: Configuration of system-wide services is located in the /etc/ directory.

INFO: Configuration of 3rd party services can be found in the /usr/local/etc/ directory.

Misc information

Open file statistics (cur/max):

216/8136 files

Resource limits:

Resource limits (current):

cputime infinity secs
filesize infinity kB



```
datasize      524288 kB
stacksize    65536 kB
coredumpsize  infinity kB
memoryuse    infinity kB
memorylocked  infinity kB
maxprocesses 3661
openfiles    7322
sbsize       infinity bytes
vmemoryuse   infinity kB
```

Information related to cron:

There are 9 entries in /etc/crontab

Current time and date:

Thu Jan 19 04:11:42 EET 2012

Рано или поздно, но утилита должна пригодится, как рабочий инструмент. Хотя, честно говоря, ожидал больше информации о аппаратной части сервера. Но этот недостаток компенсируется с лихвой информацией о софтверной части.

Источник (получено 2025-03-14 10:50):

<http://muff.kiev.ua/content/sysinfo-sobiraem-informatsiyu-o-zheleze>

Ссылки:

[1] <http://www.freebsd.org/doc/en/books/developers-handbook/kerneldebug.html>