



automatically split up into separate directories.

## Sar Cron Jobs?

/etc/cron.d/sysstat

```
# run system activity accounting tool every 10 minutes
*/10 * * * * root /usr/lib/sa/sa1 1 1

# generate a daily summary of process accounting at 23:53
53 23 * * * root /usr/lib/sa/sa2 -A
```

If it is desired for SAR to collect data more frequently, simply change `"*/10"` to a new interval.

For example, if to make SAR to track every 5 minutes, simply change to `"*/5"`.

### “ NOTE:

SAR does not add significant load to a server. It safely can be tuned down to 2 minute intervals without seeing a significant problem. SAR also does not grab individual block data.

RHEL 8/9 ??? crontab ??????? interval?????????

??

RedHat 5/6/7/8/9

```
yum install sysstat
```

For RHEL 8/9 only

```
systemctl start sysstat-collect.timer
```

## ?? Interval (for RHEL 8/9)

??

```
systemctl cat sysstat-collect.timer
export SYSTEMD_EDITOR=/usr/bin/vi
systemctl edit sysstat-collect.timer
```

?????????: /etc/systemd/system/sysstat-collect.timer.d/override.conf ????????

“ NOTE: ??? OnCalendar=<??>????????????????

```
[Unit]
Description=Run system activity accounting tool every 1 minute

[Timer]
OnCalendar=
OnCalendar=*:00/1
```

????

```
systemctl daemon-reload
systemctl restart sysstat-collect.timer
```

??

```
systemctl cat sysstat-collect.timer
systemctl status sysstat-collect.timer
```

????

???? CPU ??

```
# [ ] [ ] [ ] [ ]
sar -P ALL

# [ ] CPU
sar -u
```

?????? 13 ??????

```
sar -n ALL -f /var/log/sa/sa13
```

???????? 7 ? ?? 10:00 - 14:00 ??????????????????????

```
sar -r -s 10:00:00 -e 14:00:00 -f /var/log/sa/sa07 -o /tmp/mem.txt
```

????

```
# CPU on the Fly 10 times every 2 seconds
sar -u 2
sar -u 2 10
# Output to the file and read the file
sar -u 2 10 -o cpu.sa >/dev/null 2>&1
sar -f cpu.sa

# Memory
# kbcommit & %commit is the overall memory used including RAM & Swap
sar -r 1
sar -r 1 10

# Swap
sar -S 1
sar -S 1 10

# I/O
sar -b 1
sar -b 1 10
sar -p -d 1
sar -p -d 1 10

# Paging
# - majflts/s shows the major faults per second means number of pages loaded into the memory from disk
(swap),
# if its value is higher then we can say that system is running out of RAM.
# - %vmeff indicates the number of pages scanned per second, if it's vaule is 100 % its is consider OK and
# when it is below 30 % then there is some issue with virtual memory. Zero value indicates that there is no
page scanned during that time.
sar -B 1

# Network
sar -n ALL
```

“ Tips:

- Memory Swaping ???papgIn/papgout/majflt ??????????

?????

RedHat ??????????????????

I/O ?????: <https://access.redhat.com/labs/rhiou/>

“ ?????????? lsblk ?????????????? lsblk.out????????????????? sarXX  
????????????????????????? I/O ????????

Memory ?????: <https://access.redhat.com/labs/rhma/>

?????

- [Monitoring Linux system resources using SAR \(System Activity Report\)](#)
- [Sar command usage with examples in Linux](#)
- [The Sysadmin's Toolbox: sar](#)

---

Revision #19

Created 12 January 2021 02:32:04 by Admin

Updated 23 September 2024 15:43:20 by Admin