

RHEL /proc/meminfo

Environment

"free -k"

"/proc/meminfo"

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# RHEL /proc/meminfo

Red Hat Enterprise Linux 5, 6 and 7 /proc/meminfo

## Environment

- Red Hat Enterprise Linux (RHEL) 5
- Red Hat Enterprise Linux (RHEL) 6
- Red Hat Enterprise Linux (RHEL) 7

RHEL5

free -k output (RHEL 5 and RHEL 6):

	total	used	free	shared	buffers	cached
Mem:	7778104	2971960	4806144	0	211756	1071092
-/+ buffers/cache:		1689112	6088992			
Swap:	4194296	0	4194296			

free -k output (RHEL 7):

	total	used	free	shared	buff/cache
available					
Mem:	1012952	252740	158732	11108	601480
543584					
Swap:	1048572	5380	1043192		

/proc/meminfo .

MemTotal:	7778104	kB
MemFree:	4806144	kB
Buffers:	211756	kB
Cached:	1071092	kB
SwapTotal:	4194296	kB
SwapFree:	4194296	kB

RHEL7           가           가           가           .                           -/+ buffers/cache

MemAvailable:      543584 kB

## "free -k"      "/proc/meminfo"

```
free'      /proc/meminfo      . ^ free
output ^ /proc/meminfo ^ | Mem: total | MemTotal | | Mem: used | MemTotal -
MemFree | | Mem: free | MemFree | | Mem: shared (      가
.) | N / A | | Mem: buffers | Buffers | | Mem: cached | Cached | | -/+
buffers/cache: used | MemTotal - (MemFree + Buffers + Cached) | | -/+
buffers/cache: free | MemFree + Buffers + Cached | | Swap: total | SwapTotal
| | Swap: used | SwapTotal - SwapFree | | Swap: free | SwapFree | =====
===== RHEL 5, RHEL 6 and RHEL 7 ===== * MemTotal:      가
* MemFree:      * Buffers:      ,
.      * Cached:
(      ) * SwapCached:
. (      가
가      가      I / 0가      .) ===== RHEL 7 only
===== * MemAvailable:
. =====
Active:      * Inactive:
===== RHEL 6 and RHEL 7 only
===== * Active(anon):
Inactive(anon):      가      * Active(file):
가      * Inactive(file):
* Unevictable:      가
. * Mlocked: mlock()
Mlocked      Unvictable      . =====
6 and RHEL 7 ===== * SwapTotal:      가      * SwapFree:      *
Dirty:      * Writeback:
* AnonPages:      * Mapped:
mmaped      * Slab:      * PageTables: 가
.      * NFS_Unstable:
NFS      * Bounce:      bounce buffer      * CommitLimit:
(vm.overcommit_ratio)      가      (vm.overcommit_memory
2). * Committed_AS:      가      가
가      * VmallocTotal: vmalloc
* VmallocUsed:      vmalloc      * VmallocChunk:
vmalloc      가      * HugePages_Total:
(vm.nr_hugepages      ) * HugePages_Free:
hugepage      * HugePages_Rsvd:
hugepage      . * Hugepagesize: hugepage      (      2MB)
===== RHEL 6 and RHEL 7 only ===== * Shmem:      (
RAM      , SHSEM      SYS-V-IPC      BSD      ) * SReclaimable:
Slab      (      ) * SUnreclaim:      가      Slab      * KernelStack:
.      가      * WritebackTmp: FUSE
* HardwareCorrupted:
```

```
RAM          * AnonHugePages:                                *
HugePages_Surp: vm.nr_hugepages                               hugepage          .
hugepage      vm.nr_overcommit_hugepages                      . *
DirectMap4k:   4k                                             * DirectMap2M: hgepages"
              (    2MB    )
```

- <https://access.redhat.com/solutions/406773>

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