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rhel\_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: . ) ===== RHEL 7 only
===== * MemAvailable: . ===== ===== ===== RHEL 5, RHEL 6 and RHEL 7 === * * Inactive:
Active: ===== RHEL 6 and RHEL 7 only
===== * Active(anon): * * Active(file):
Inactive(anon): . 가 * Inactive(file):
가 * Unevictable: . 가
. * Mlocked: mlock() ===== ===== RHEL 5, RHEL
Mlocked Univictable . ===== * SwapFree: * *
6 and RHEL 7 === * SwapTotal: . 가 * Writeback:
Dirty: * AnonPages: * Mapped:
mmapped * Slab: * PageTables: . 가
. * NFS_Unstable: . CommitLimit:
NFS * Bounce: . bounce buffer . (vm.overcommit_memory
(vm.overcommit_ratio) . 가
2). * Committed_AS: . 가 . * VmallocTotal: vmalloc . * VmallocChunk:
. * VmallocUsed: . vmalloc . * HugePages_Total:
vmalloc . 가 . * HugePages_Free:
. (vm.nr_hugepages . * HugePages_Rsvd: . Hugepagesize: hugepage ( 2MB)
hugepage . * HugePages_Rsvd: hugepage . * Hugepagesize: hugepage ( 2MB)
===== RHEL 6 and RHEL 7 only ===== * Shmem: ( . * SReclaimable:
Slab ( . * SUnreclaim: . 가 . Slab * KernelStack:
. . * 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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