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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

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 (.)	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: ( ) . ( ) 가 가
- SwapCached: . ( ) 가 가 I/O

## RHEL 7 only

- MemAvailable:

## RHEL 5, RHEL 6 and RHEL 7

- Active:
- Inactive:

## RHEL 6 and RHEL 7 only

- Active(anon): 가
- Inactive(anon): 가
- Active(file): 가
- Inactive(file): 가
- Unevictable: 가
- Mlocked: mlock() . Mlocked
- Unevictable .

## RHEL 5, RHEL 6 and RHEL 7

- SwapTotal: 가
- SwapFree: .
- Dirty: .
- Writeback: .
- AnonPages: .
- Mapped: mmapped .
- Slab: .
- PageTables: 가 . 가
- NFS\_Unstable: . NFS
- Bounce: bounce buffer .
- CommitLimit: (vm.overcommit\_ratio) . 가
- Committed\_AS: . 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 )
- SReclaimable: Slab ( . )
- SUnreclaim: 가 Slab .
- KernelStack: . 가 .
- WritebackTmp: FUSE .
- HardwareCorrupted: RAM

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- 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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