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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
 - SwapCached: . () 가 I/O
- 가 .)

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: mmaped
- 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) . hugepage
- HugePages_Free: hugepage
- HugePages_Rsvd: hugepage
- Hugepagesize: hugepage (2MB)

RHEL 6 and RHEL 7 only

- Shmem: (RAM , SHSEM)
- SReclaimable: Slab (.)
- SUnreclaim: 가 Slab .
- KernelStack: . .
- WritebackTmp: FUSE
- HardwareCorrupted: RAM

- AnonHugePages:
- HugePages_Surp: `vm.nr_hugepages` `hugepage`
- DirectMap4k: `4k`
- DirectMap2M: `hgepages` `(2MB)`

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

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