/proc/meminfo ?? ?? ??

??

??? ??

- 1. ??? ???? ?? (free / meminfo)
 - free □

\$> free -m						
	total	used	free	shared	buff/cache	available
Mem:	15786	7716	583	632	7487	7102
Swap:	4095	516	3579			

meminfo □ □

\$> cat /proc/meminfo MemTotal: 16165732 kB MemFree: 596400 kB MemAvailable: 7271976 kB 11120 kB Buffers: 7050372 kB Cached: SwapCached: 24948 kB Active: 8539812 kB Inactive: 5451740 kB Active(anon): 5466632 kB Inactive(anon): 2113380 kB Active(file): 3073180 kB Inactive(file): 3338360 kB

Unevictable: 19572 kB Mlocked: 19572 kB SwapTotal: 4194300 kB SwapFree: 3665916 kB 100 kB Dirty: Writeback: 0 kB AnonPages: 6935760 kB Mapped: 117016 kB Shmem: 647612 kB Slab: 736736 kB SReclaimable: 605232 kB 131504 kB SUnreclaim: 9568 kB KernelStack: 48308 kB PageTables: NFS_Unstable: 0 kB 0 kB Bounce: WritebackTmp: 0 kB CommitLimit: 12277164 kB Committed_AS: 9486816 kB VmallocTotal: 34359738367 kB VmallocUsed: 303816 kB VmallocChunk: 34358947836 kB Percpu: 3008 kB HardwareCorrupted: 0 kB AnonHugePages: 1742848 kB CmaTotal: 0 kB 0 kB CmaFree: HugePages_Total: 0 HugePages_Free: 0 HugePages_Rsvd: HugePages_Surp: 0 2048 kB Hugepagesize: DirectMap4k: 96400 kB DirectMap2M: 6094848 kB DirectMap1G: 10485760 kB

•	free	ПП	ПП	meminfo∏	П
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free	meminfo
Mem: total	Memtotal
MEM: used	MemTotal - MemFree
Mem: free	MemFree
Mem: shared(□□□□)	
Mem: buffers	Buffers
mem: cached	cached
-/+ buffers/cache: used (Centos 66Ⅲ □)	MemTotal - (MemFree + Buffers + Cached)
-/+ buffers/cache: free (Centos 66Ⅲ □)	MemFree + Buffers + Cached
Swap: total	SwapTotal
Swap: used	SwapTotal - SwapFree
Swap: free	SwapFree

•	meminfo∏	ППП	П

meminfo[] [[[[]]	
	□ os
MemTotal	Centos5, 6, 7
MemFree	Centos5, 6, 7
Buffers	Centos5, 6, 7
Cached	Centos5, 6, 7
Swapcached	Centos5, 6, 7

		□ os
Memavailable	app	Centos7∏
Active		Centos5, 6, 7
Inactive		Centos5, 6, 7
Active(anon)		Centos 6, 7
Inactive(anon)		Centos 6, 7
Active(file)		Centos 6, 7
Inactive(file)		Centos 6, 7
Unevictable		Centos 6, 7
Mlock	(Mlocked = Unevictable)	Centos 6, 7
SwapTotal		Centos5, 6, 7
SwapFree		Centos5, 6, 7
Dirty		Centos5, 6, 7
Writeback		Centos5, 6, 7
AnonPages		Centos5, 6, 7
Mapped		Centos5, 6, 7
Slab		Centos5, 6, 7

		□ OS
PageTables		Centos5, 6, 7
NFS_Unstable	NFS	Centos5, 6, 7
Bounce		Centos5, 6, 7
CommitLimit	(vm.overcommit_ratio) [Centos5, 6, 7
Committed_AS		Centos5, 6, 7
VmallocTotal	vmallokc III III II	Centos5, 6, 7
VmallocUsed	vmalloc	Centos5, 6, 7
VmallocChunk	vmalloc 🖽 🖽	Centos5, 6, 7
HugePages_Tota	□ □ □ (vm.nr_hugepages) □ □ □ □ hugepage □	Centos5, 6, 7
HugePages_Free		Centos5, 6, 7
HugePages_Rsv d	Ⅲ ⅢⅢ Ⅲ Ⅲ hugepage[Centos5, 6, 7
Hugepagesize	hugepage∏ (x86dms ∏∏ 2MB)	Centos5, 6, 7
Shmem		Centos 6, 7
SReclaimable	□ □ slab□ □ (□)	Centos 6, 7
SUnreclaim	IIII IIII IIII III III slab	Centos 6, 7
KernelStack		Centos 6, 7
WritebackTmp	FUSE[] [[[]] [[[]]	Centos 6, 7

Ш		□ os		
HardwareCorrup ted		Centos 6, 7		
AnonHugePages	hugepage	Centos 6, 7		
HugePages_Surp	<pre> </pre>	Centos 6, 7		
DirectMap4k	□ 4k□□□ □□□	Centos 6, 7		
DirectMap2M	hugepage[] [[[] [] [] ([[[] 2M)	Centos 6, 7		
page:				

reference

- https://access.redhat.com/en/solutions/502443
- https://hoing.io/archives/2690

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