#	Res ID	Return type	Procfs or sysfs	Information details
1	COREDUMP_FILTER	uint64	/proc/pid/coredump_filter	Used to control which memory segments are written to the core dump file in the event that a core dump is performed for the process with the corresponding process ID. Return bitmask of memory mapping types.
2	KERN_VERSION	String	/proc/version	Kernel version
3	KERN_COMPILE_TIME	String	/proc/version	Kernel compile time
4	MEM_MTOTAL	uint64	/proc/meminfo	Total memory in kbyets
5	MEM_MAVAILABLE	uint64	/proc/meminfo	Available memory in kbytes
6	MEM_MFREE	uint64	/proc/meminfo	Free Memory in kbytes
7	MEM_INACTIVE	uint64	/proc/meminfo	Memory that has not been used recently and can be swapped out or reclaimed
8	MEM_ACTIVE	uint64	/proc/meminfo	Memory that has been used more recently and usually not swapped out or reclaimed
9	MEM_SWAPTOTAL	uint64	/proc/meminfo	Total swap space
10	MEM_SWAPFREE	uint64	/proc/meminfo	Remaining swap space
11	MEM_HUGEPAGESIZE	uint64	/proc/meminfo	Size of a huge page

12	MEM_HUGEPAGEALL	Libres struct for mem_hugepage	/proc/meminfo	Struct with all information about huge pages
				Struct mem_hgpginfoall{
				Uint64 hgsize;
				Uint64 hgtotal;
				Uint64 hgfree;
				Uint64 hgrsvd;
				Uint64 hgsurp;
				}

13	MEM_INFOALL	Libres struct for mem_infoall	/proc/meminfo	All memory related information is returned
				Struct mem_infoall {
				Uint64 memtotal;
				Uint64 memfree;
				Uint64 memavailable;
				Uint64 memactive;
				Uint64 meminactive;
				Uint64 memswaptotal;
				Uint64 memswapfree;
				}

14	VMSTAT_PAGEIN	Uint64	/proc/vmstat	Number of page in since last boot
15	VMSTAT_PAGEOUT	Uint64	/proc/vmstat	Number of page out since last boot
16	VMSTAT_SWAPIN	Uint64	/proc/vmstat	Number of swapin since last boot
17	VMSTAT_SWAPOUT	Uint64	/proc/vmstat	Number of swapout since last boot
18	VMSTAT_PGMAJFAULT	Uint64	/proc/vmstat	Number of major page faults per sec

19	VMSTAT_INFOALL	Libres struct for vmstat	/proc/vmstat	All information related to VMSTAT
				Struct vmstat_infoal{
				Uint64 vmpagein;
				Uint64 vmpageout;
				Uint64 vmswapin;
				Uint64 vmswapout;
				Uint64 vmpgmajfault;
				}

20	LOADAVG_INFO	Libres struct for loadavg	/proc/loadavg	All information related to load average; CPU and IO utilization of the last one, five, and 10 minute periods. It also shows the number of currently running processes and the total number of processes
				Struct loadavg {
				Double util1min;
				Double util5min;
				Double util10min;
				Uint runproc;

				Uint totproc;
				}

21	CPU_STAT	Libres struct for cpu_stat	/proc/stat	If hint field is 0 then CPU statistics for system is provided else hint field should tell CPU number for which stat is wanted.
				Struct cpustat {
				Uint64 User;
				Uint64 nice;
				Uint64 system;
				Uint64 idle;
				Uint64 iowait;
				Uint64 irq;
				Uint64 softirq;
				}

22	NET_TCPSENDBUFSIZE	Array of uint64	/proc/sys/net/ipv4/tcp_wmem	Send buffer sizes for TCP. Array of uint64 {Uint64 min, Uint64 default, Uint64 max}
23	NET_TCPRECVBUFSIZ	Array of uint64	/proc/sys/net/ipv4/tcp_rmem	recv buffer sizes for TCP. Array of uint64 {Uint64 min, Uint64 default, Uint64 max}
24	NET_GLOBALSENDBUFSIZE	Array of uint64	/proc/sys/net/core/wmem_*	Send buffer sizes for global. Array of uint64. Min is set to 0. {Uint64 min, Uint64 default, Uint64 max}
25	NET_GLOBALRECVBUFSIZE	Array of uint64	/proc/sys/net/core/rmem_*	Global recv buffer sizes. Array of uint64. Min is set to 0. {Uint64 min, Uint64 default, Uint64 max}

26	NET_BUFSIZEINFOALL	Libres struct for netbuf		All information related to network buffer sizes
				Libres struct netbufinfo{
				Uint64 **sndbuftcp;
				Uint64 **recvbuftcp;
				Uint64 **sndbufglobal;
				Uint64 ** recvbufglobal;
				}

27	MMAP_PROC_HEAPINFO	Libres struct	/proc/self/maps	Heap address and heap size for pid.
				Struct procaddr{
				Uint64 address;
				Uint64 size;
				}

28	MMAP_PROC_STACKINFO	Libres struct	/proc/self/maps	Stack address and stack size for pid.
				Struct procaddr{
				Uint64 address;
				Uint64 size;
				}

29	FS_AIONR	Uint64	/proc/sys/fs/aio-nr	Running total of the number of events specified on the io_setup system call for all currently active aio contexts.
30	FS_AIOMAXNR	Uint64	/proc/sys/fs/aio-max-nr	MAX AIONR possible. If aio-nr reaches aio-max-nr then io_setup will fail with EAGAIN.

31	FS_FILENR	Libres struct	/proc/sys/fs/file-nr	Number of allocated file handles, the number of allocated but unused file handles, and the maximum number of file handles.
				Sruct fs_filenr{
				Uint64 allocfh;
				Uint64 unusedfh;
				Uint64 maxfh;
				}

32	FS_FILEMAXNR	Uint64	/proc/sys/fs/file-max	Maximum number of file-handles that the Linux kernel will allocate.
33	PROC_STARTTIME	Uint64	/proc/pid/stat	Process start time. This needs to be faster.
34	CPU_SOCKCOUNT	Uint32	/proc/cpuinfo	Socket count Unsigned int

35	CPU_CORECOUNT	Uint32	/proc/cpuinfo	Core count Unsigned int
36	CPU_THREADCOUNT	Uint32	/proc/cpuinfo	Total thread count (CPU count)
37	PROCSET_NUMCPU	Uint32	/proc/cpuinfo	Get current number of CPUs in caller's processor set

38	CPU_ARCHINFOALL	Libres structs	/proc/cpuinfo	Struct which has socket,core and thread count
				Struct archinfo{
				Uint32 sock;
				Uint32 core;
				Uint32 thread;
				}

39	NUMA_BALACINNG	Boolean	/proc/sys/kernel/numa_balancing	Return if numa balancing is enabled;

40	NUMA_NODEMEMALLINFO	Libres struct	/sys/devices/system/node/node<num>/meminfo	Struct with all memory related info for a particular numa node. Numa node number should be provided in hint.
				Struct mem_infoall {
				Uint64 memtotal;
				Uint64 memfree;
				Uint64 memavailable;
				Uint64 memactive;
				Uint64 meminactive;
				Uint64 memswaptotal;
				Uint64 memswapfree;
				};

41	NUMA_NODEMEMHGPGALLINFO	Libres struct	/sys/devices/system/node/node<num>/meminfo	Struct with all huge page related info for a particular numa node. Numa node number should be provided in hint.
				Struct mem_hgpginfoall{
				Uint64 hgsize;
				Uint64 hgtotal;
				Uint64 hgfree;
				Uint64 hgrsvd;
				Uint64 hgsurp;
				}

42	PROC_STATUS	Libres struct	/proc/pid/status	Return process status information;
				Struct proc {
				Char Name[64];
				Char state[64];
				Char Cpus_allowed[64];
				Char Cpus_allowed_list[64];
				Char Mems_allowed[64];
				Char Mems_allowed_list[64];
				}

43	CGROUP_PROC_INFOALL	Array of Libres struct	/proc/pid/cgroups	Array of structs holding cgroup info. Each struct will have 1: For cgroups version 1 hierarchies, this field contains a unique hierarchy ID number that can be matched to a hierarchy ID in /proc/cgroups. For the cgroups version 2 hierarchy, this field contains the value 0. 2. For cgroups version 1 hierarchies, this field contains a comma-separated list of the controllers bound to the hierarchy. For the cgroups version 2 hierarchy, this field is empty. 3. This field contains the pathname of the control group in the hierarchy to which the process belongs. This pathname is relative to the mount point of the hierarchy. Struct cgroupinfo { Uint32 hid; Char *ctl; Char *name;

				}
44	VM_MAXMAPCOUNT	Uint64	/proc/sys/vm/max_map_count	Maximum map count.
45	MEM_SHMALL	Uint64	/proc/sys/kernel/shmall	Maximum number of shared memory pages.
46	MEM_SHMMAX	Uin64	/proc/sys/kernel/shmmax	maximum size in bytes of a single shared memory segment that a Linux process can allocate in its virtual address space.
47	MEM_SHMMNI	Uint64	/proc/sys/kernel/shmmni	System wide maximum number of shared memory segments.

48	MEM_SHMINFOALL	Libres struct		Libres struct to provide all shm info
				Struct shminfoall{
				  Uint64 shmall;
				  Uint64 shmmax;
				  Uint64 shmmni;
				}

49	NET_INTERFACESTAT	Libres struct	/proc/net/dev	Provide network interface statistics. After read call hint will have number of interfaces available.
				If user wants to allocate the memory then he has to provide the number for which memory is allocated, in hint. If hint is interface name, then only one output will be provided which is stat for that particular interface.
				Struct netintrstat {
				  Char *name;
				  Uint64 recvbytes;
				  Uint64 recvpackets;
				  Uint64 recverrs;
				  Uint64 recvdrop;
				  Uint64 recvfifo;
				  Uint64 recvframe;
				  Uint64 recvcompressed;
				  Uint64 recvmulticast;
				  Uint64 txbytes;
				  Uint64 txpackets;
				  Uint64 txerrs;
				  Uint64 txdrop;
				  Uint64 txfifo;
				  Uint64 txcolls;
				  Uint64 txcarrier;
				  Uint64 txcompressed;
				}

50	DEV_INTERFACESTAT	Libres struct	/sys/block/<device>/stat	Stat for a device.
				After read call hint will have number of devices available. If user wants to allocate the memory then he has to provide the number for which memory is allocated, in hint. If hint is device name, then only one output will be provided which is stat for that particular device.
				
				Struct devinterstat{
				  Char *name;
				  uint64 rdioreq;
				  uint64 rdmergereq;
				  uint64 rdsector;
				  uint64 rdtickms;
				  uint64 wrioreq;
				  uint64 wrmergereq;
				  uint64 wrsector;
				  uint64 wrtickms;
				  uint64 inflightreq;

				`  uint64 ioticks;`
				`  uint64 timeinqms;`
				`}`