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10/25/2018

Performed on EOS15

System Object	Method	Value	Details
Maximum # of semaphores per process	static	256	Found in posix1_lim.h #define _POSIX_SEM_NSEMS_MAX 256
Maximum value of a (counting) semaphore	static	32767	Found in posix1_lim.h #define _POSIX_SEM_VALUE_MAX 32767
Maximum value of a (counting) semaphore	empirical	4294967295	sem_init(&semaphore, 0, 4294967296); causes an overflow
Maximum size of a shared memory segment (bytes)	empirical	~24600000000 or shmmax 18446744073692774399	
		Kept varying everytime I would change it around this value	<pre>IPC_CREAT S_IRUSR S_IWUSR)) &lt; 0) {   perror ("i can't get no\n");   exit (1); }</pre>
Page size (bytes)	dynamic	4096	<pre>long page_size = 0;   page_size = sysconf(_SC_PAGESIZE);   printf("%ld\n", page_size);</pre>
Physical pages in system	dynamic	4078077	printf("This system has %ld pages of physical memory available.\n", get_phys_pages());
Maximum # of processes per user	dynamic	63663	printf("%Id", sysconf(_SC_CHILD_MAX));
Maximum filesize (bytes)	dynamic	-1	struct rlimit rl; getrlimit (RLIMIT_FSIZE, &rl);
Maximum # of open files: hard limit	dynamic	4096	struct rlimit rl;
			getrlimit (RLIMIT_NOFILE, &rl);
Maximum # of open files: soft limit	dynamic	1024	printf("\n Hard Limit is : %lld\n", (long long int)rl.rlim_max); struct rlimit rl;
			getrlimit (RLIMIT_NOFILE, &rl);
			printf("\n Soft Limit is : %lld\n", (long long int)rl.rlim_cur);
Clock resolution (msec)	dynamic	0.000001 msec	struct timespec res;
			rc = clock_getres(CLOCK_REALTIME, &res);
			printf("Clock Resolution: %ldns\n", res.tv_nsec);