


Branch: master ▾


linux / arch / x86 / entry / syscalls / syscall_64.tbl

Find file

Copy path

 dhowells statx: Add a system call to make enhanced file info available

a528d35 on 3 Mar 2017

4 contributors 

383 lines (381 sloc) 12.9 KB

1	#		
2	# 64-bit system call numbers and entry vectors		
3	#		
4	# The format is:		
5	# <number> <abi> <name> <entry point>		
6	#		
7	# The abi is "common", "64" or "x32" for this file.		
8	#		
9	0	common read	sys_read
10	1	common write	sys_write
11	2	common open	sys_open
12	3	common close	sys_close
13	4	common stat	sys_newstat
14	5	common fstat	sys_newfstat
15	6	common lstat	sys_newlstat
16	7	common poll	sys_poll
17	8	common lseek	sys_lseek
18	9	common mmap	sys_mmap
19	10	common mprotect	sys_mprotect
20	11	common munmap	sys_munmap
21	12	common brk	sys_brk
22	13	64 rt_sigaction	sys_rt_sigaction
23	14	common rt_sigprocmask	sys_rt_sigprocmask
24	15	64 rt_sigreturn	sys_rt_sigreturn/ptregs
25	16	64 ioctl	sys_ioctl
26	17	common pread64	sys_pread64
27	18	common pwrite64	sys_pwrite64
28	19	64 readv	sys_readv
29	20	64 writev	sys_writev
30	21	common access	sys_access
31	22	common pipe	sys_pipe
32	23	common select	sys_select
33	24	common sched_yield	sys_sched_yield
34	25	common mremap	sys_mremap
35	26	common msync	sys_msync
36	27	common mincore	sys_mincore
37	28	common madvise	sys_madvise
38	29	common shmget	sys_shmget
39	30	common shmat	sys_shmat
40	31	common shmctl	sys_shmctl
41	32	common dup	sys_dup
42	33	common dup2	sys_dup2
43	34	common pause	sys_pause
44	35	common nanosleep	sys_nanosleep
45	36	common getitimer	sys_getitimer
46	37	common alarm	sys_alarm
47	38	common setitimer	sys_setitimer
48	39	common getpid	sys_getpid
49	40	common sendfile	sys_sendfile64
50	41	common socket	sys_socket
51	42	common connect	sys_connect
52	43	common accept	sys_accept
53	44	common sendto	sys_sendto
54	45	64 recvfrom	sys_recvfrom
55	46	64 sendmsg	sys_sendmsg
56	47	64 recvmsg	sys_recvmsg
57	48	common shutdown	sys_shutdown
58	49	common bind	sys_bind
59	50	common listen	sys_listen
60	51	common getsockname	sys_getsockname
61	52	common getpeername	sys_getpeername
62	53	common socketpair	sys_socketpair

63	54	64	setsockopt	sys_setsockopt
64	55	64	getsockopt	sys_getsockopt
65	56	common	clone	sys_clone/ptregs
66	57	common	fork	sys_fork/ptregs
67	58	common	vfork	sys_vfork/ptregs
68	59	64	execve	sys_execve/ptregs
69	60	common	exit	sys_exit
70	61	common	wait4	sys_wait4
71	62	common	kill	sys_kill
72	63	common	uname	sys_newuname
73	64	common	semget	sys_semget
74	65	common	semop	sys_semop
75	66	common	semctl	sys_semctl
76	67	common	shmdt	sys_shmdt
77	68	common	msgget	sys_msgget
78	69	common	msgsnd	sys_msgsnd
79	70	common	msgrcv	sys_msgrcv
80	71	common	msgctl	sys_msgctl
81	72	common	fcntl	sys_fcntl
82	73	common	flock	sys_flock
83	74	common	fsync	sys_fsync
84	75	common	fdatasync	sys_fdatasync
85	76	common	truncate	sys_truncate
86	77	common	ftruncate	sys_ftruncate
87	78	common	getdents	sys_getdents
88	79	common	getcwd	sys_getcwd
89	80	common	chdir	sys_chdir
90	81	common	fchdir	sys_fchdir
91	82	common	rename	sys_rename
92	83	common	mkdir	sys_mkdir
93	84	common	rmdir	sys_rmdir
94	85	common	creat	sys_creat
95	86	common	link	sys_link
96	87	common	unlink	sys_unlink
97	88	common	symlink	sys_symlink
98	89	common	readlink	sys_readlink
99	90	common	chmod	sys_chmod
100	91	common	fchmod	sys_fchmod
101	92	common	chown	sys_chown
102	93	common	fchown	sys_fchown
103	94	common	lchown	sys_lchown
104	95	common	umask	sys_umask
105	96	common	gettimeofday	sys_gettimeofday
106	97	common	getrlimit	sys_getrlimit
107	98	common	getrusage	sys_getrusage
108	99	common	sysinfo	sys_sysinfo
109	100	common	times	sys_times
110	101	64	ptrace	sys_ptrace
111	102	common	getuid	sys_getuid
112	103	common	syslog	sys_syslog
113	104	common	getgid	sys_getgid
114	105	common	setuid	sys_setuid
115	106	common	setgid	sys_setgid
116	107	common	geteuid	sys_geteuid
117	108	common	getegid	sys_getegid
118	109	common	setpgid	sys_setpgid
119	110	common	getppid	sys_getppid
120	111	common	getpgrp	sys_getpgrp
121	112	common	setsid	sys_setsid
122	113	common	setreuid	sys_setreuid
123	114	common	setregid	sys_setregid
124	115	common	getgroups	sys_getgroups
125	116	common	setgroups	sys_setgroups
126	117	common	setresuid	sys_setresuid
127	118	common	getresuid	sys_getresuid
128	119	common	setresgid	sys_setresgid
129	120	common	getresgid	sys_getresgid
130	121	common	getpgid	sys_getpgid
131	122	common	setfsuid	sys_setfsuid
132	123	common	setfsgid	sys_setfsgid
133	124	common	getsid	sys_getsid
134	125	common	capget	sys_capget
135	126	common	capset	sys_capset
136	127	64	rt_sigpending	sys_rt_sigpending

137	128	64	rt_sigtimedwait	sys_rt_sigtimedwait
138	129	64	rt_sigqueueinfo	sys_rt_sigqueueinfo
139	130	common	rt_sigsuspend	sys_rt_sigsuspend
140	131	64	sigaltstack	sys_sigaltstack
141	132	common	utime	sys_utime
142	133	common	mknod	sys_mknod
143	134	64	uselib	
144	135	common	personality	sys_personality
145	136	common	ustat	sys_ustat
146	137	common	statfs	sys_statfs
147	138	common	fstatfs	sys_fstatfs
148	139	common	sysfs	sys_sysfs
149	140	common	getpriority	sys_getpriority
150	141	common	setpriority	sys_setpriority
151	142	common	sched_setparam	sys_sched_setparam
152	143	common	sched_getparam	sys_sched_getparam
153	144	common	sched_setscheduler	sys_sched_setscheduler
154	145	common	sched_getscheduler	sys_sched_getscheduler
155	146	common	sched_get_priority_max	sys_sched_get_priority_max
156	147	common	sched_get_priority_min	sys_sched_get_priority_min
157	148	common	sched_rr_get_interval	sys_sched_rr_get_interval
158	149	common	mlock	sys_mlock
159	150	common	munlock	sys_munlock
160	151	common	mlockall	sys_mlockall
161	152	common	munlockall	sys_munlockall
162	153	common	vhangup	sys_vhangup
163	154	common	modify_ldt	sys_modify_ldt
164	155	common	pivot_root	sys_pivot_root
165	156	64	_sysctl	sys_sysctl
166	157	common	prctl	sys_prctl
167	158	common	arch_prctl	sys_arch_prctl
168	159	common	adjtimex	sys_adjtimex
169	160	common	setrlimit	sys_setrlimit
170	161	common	chroot	sys_chroot
171	162	common	sync	sys_sync
172	163	common	acct	sys_acct
173	164	common	settimeofday	sys_settimeofday
174	165	common	mount	sys_mount
175	166	common	umount2	sys_umount
176	167	common	swapon	sys_swapon
177	168	common	swapoff	sys_swapoff
178	169	common	reboot	sys_reboot
179	170	common	sethostname	sys_sethostname
180	171	common	setdomainname	sys_setdomainname
181	172	common	iopl	sys_iopl/ptregs
182	173	common	ioperm	sys_ioperm
183	174	64	create_module	
184	175	common	init_module	sys_init_module
185	176	common	delete_module	sys_delete_module
186	177	64	get_kernel_syms	
187	178	64	query_module	
188	179	common	quotactl	sys_quotactl
189	180	64	nfsservctl	
190	181	common	getpmsg	
191	182	common	putpmsg	
192	183	common	afs_syscall	
193	184	common	tuxcall	
194	185	common	security	
195	186	common	gettid	sys_gettid
196	187	common	readahead	sys_readahead
197	188	common	setxattr	sys_setxattr
198	189	common	lsetxattr	sys_lsetxattr
199	190	common	fsetxattr	sys_fsetxattr
200	191	common	getxattr	sys_getxattr
201	192	common	lgetxattr	sys_lgetxattr
202	193	common	fgetxattr	sys_fgetxattr
203	194	common	listxattr	sys_listxattr
204	195	common	llistxattr	sys_llistxattr
205	196	common	flistxattr	sys_flistxattr
206	197	common	removexattr	sys_removexattr
207	198	common	lremovexattr	sys_lremovexattr
208	199	common	fremovexattr	sys_fremovexattr
209	200	common	tkill	sys_tkill
210	201	common	time	sys_time

211	202	common	futex	sys_futex
212	203	common	sched_setaffinity	sys_sched_setaffinity
213	204	common	sched_getaffinity	sys_sched_getaffinity
214	205	64	set_thread_area	
215	206	64	io_setup	sys_io_setup
216	207	common	io_destroy	sys_io_destroy
217	208	common	io_getevents	sys_io_getevents
218	209	64	io_submit	sys_io_submit
219	210	common	io_cancel	sys_io_cancel
220	211	64	get_thread_area	
221	212	common	lookup_dcookie	sys_lookup_dcookie
222	213	common	epoll_create	sys_epoll_create
223	214	64	epoll_ctl_old	
224	215	64	epoll_wait_old	
225	216	common	remap_file_pages	sys_remap_file_pages
226	217	common	getdents64	sys_getdents64
227	218	common	set_tid_address	sys_set_tid_address
228	219	common	restart_syscall	sys_restart_syscall
229	220	common	semtimedop	sys_semtimedop
230	221	common	fadvise64	sys_fadvise64
231	222	64	timer_create	sys_timer_create
232	223	common	timer_settime	sys_timer_settime
233	224	common	timer_gettime	sys_timer_gettime
234	225	common	timer_getoverrun	sys_timer_getoverrun
235	226	common	timer_delete	sys_timer_delete
236	227	common	clock_settime	sys_clock_settime
237	228	common	clock_gettime	sys_clock_gettime
238	229	common	clock_getres	sys_clock_getres
239	230	common	clock_nanosleep	sys_clock_nanosleep
240	231	common	exit_group	sys_exit_group
241	232	common	epoll_wait	sys_epoll_wait
242	233	common	epoll_ctl	sys_epoll_ctl
243	234	common	tgkill	sys_tgkill
244	235	common	utimes	sys_utimes
245	236	64	vserver	
246	237	common	mbind	sys_mbind
247	238	common	set_mempolicy	sys_set_mempolicy
248	239	common	get_mempolicy	sys_get_mempolicy
249	240	common	mq_open	sys_mq_open
250	241	common	mq_unlink	sys_mq_unlink
251	242	common	mq_timedsend	sys_mq_timedsend
252	243	common	mq_timedreceive	sys_mq_timedreceive
253	244	64	mq_notify	sys_mq_notify
254	245	common	mq_getsetattr	sys_mq_getsetattr
255	246	64	kexec_load	sys_kexec_load
256	247	64	waitid	sys_waitid
257	248	common	add_key	sys_add_key
258	249	common	request_key	sys_request_key
259	250	common	keyctl	sys_keyctl
260	251	common	ioprio_set	sys_ioprio_set
261	252	common	ioprio_get	sys_ioprio_get
262	253	common	inotify_init	sys_inotify_init
263	254	common	inotify_add_watch	sys_inotify_add_watch
264	255	common	inotify_rm_watch	sys_inotify_rm_watch
265	256	common	migrate_pages	sys_migrate_pages
266	257	common	openat	sys_openat
267	258	common	mkdirat	sys_mkdirat
268	259	common	mknodat	sys_mknodat
269	260	common	fchownat	sys_fchownat
270	261	common	futimesat	sys_futimesat
271	262	common	newfstatat	sys_newfstatat
272	263	common	unlinkat	sys_unlinkat
273	264	common	renameat	sys_renameat
274	265	common	linkat	sys_linkat
275	266	common	symlinkat	sys_symlinkat
276	267	common	readlinkat	sys_readlinkat
277	268	common	fchmodat	sys_fchmodat
278	269	common	faccessat	sys_faccessat
279	270	common	pselect6	sys_pselect6
280	271	common	ppoll	sys_ppoll
281	272	common	unshare	sys_unshare
282	273	64	set_robust_list	sys_set_robust_list
283	274	64	get_robust_list	sys_get_robust_list
284	275	common	splice	sys_splice

285	276	common	tee	sys_tee
286	277	common	sync_file_range	sys_sync_file_range
287	278	64	vmsplice	sys_vmsplice
288	279	64	move_pages	sys_move_pages
289	280	common	utimensat	sys_utimensat
290	281	common	epoll_pwait	sys_epoll_pwait
291	282	common	signalfd	sys_signalfd
292	283	common	timerfd_create	sys_timerfd_create
293	284	common	eventfd	sys_eventfd
294	285	common	fallocate	sys_fallocate
295	286	common	timerfd_settime	sys_timerfd_settime
296	287	common	timerfd_gettime	sys_timerfd_gettime
297	288	common	accept4	sys_accept4
298	289	common	signalfd4	sys_signalfd4
299	290	common	eventfd2	sys_eventfd2
300	291	common	epoll_create1	sys_epoll_create1
301	292	common	dup3	sys_dup3
302	293	common	pipe2	sys_pipe2
303	294	common	inotify_init1	sys_inotify_init1
304	295	64	preadv	sys_preadv
305	296	64	pwritev	sys_pwritev
306	297	64	rt_tsigqueueinfo	sys_rt_tsigqueueinfo
307	298	common	perf_event_open	sys_perf_event_open
308	299	64	recvmmsg	sys_recvmmsg
309	300	common	fanotify_init	sys_fanotify_init
310	301	common	fanotify_mark	sys_fanotify_mark
311	302	common	prlimit64	sys_prlimit64
312	303	common	name_to_handle_at	sys_name_to_handle_at
313	304	common	open_by_handle_at	sys_open_by_handle_at
314	305	common	clock_adjtime	sys_clock_adjtime
315	306	common	syncfs	sys_syncfs
316	307	64	sendmmsg	sys_sendmmsg
317	308	common	setns	sys_setns
318	309	common	getcpu	sys_getcpu
319	310	64	process_vm_readv	sys_process_vm_readv
320	311	64	process_vm_writev	sys_process_vm_writev
321	312	common	kcmp	sys_kcmp
322	313	common	finit_module	sys_finit_module
323	314	common	sched_setattr	sys_sched_setattr
324	315	common	sched_getattr	sys_sched_getattr
325	316	common	renameat2	sys_renameat2
326	317	common	seccomp	sys_seccomp
327	318	common	getrandom	sys_getrandom
328	319	common	memfd_create	sys_memfd_create
329	320	common	kexec_file_load	sys_kexec_file_load
330	321	common	bpf	sys_bpf
331	322	64	execveat	sys_execveat/ptregs
332	323	common	userfaultfd	sys_userfaultfd
333	324	common	membarrier	sys_membarrier
334	325	common	mlock2	sys_mlock2
335	326	common	copy_file_range	sys_copy_file_range
336	327	64	preadv2	sys_preadv2
337	328	64	pwritev2	sys_pwritev2
338	329	common	pkey_mprotect	sys_pkey_mprotect
339	330	common	pkey_alloc	sys_pkey_alloc
340	331	common	pkey_free	sys_pkey_free
341	332	common	statx	sys_statx
342				
343	#			
344	# x32-specific system call numbers start at 512 to avoid cache impact			
345	# for native 64-bit operation.			
346	#			
347	512	x32	rt_sigaction	compat_sys_rt_sigaction
348	513	x32	rt_sigreturn	sys32_x32_rt_sigreturn
349	514	x32	ioctl	compat_sys_ioctl
350	515	x32	readv	compat_sys_readv
351	516	x32	writev	compat_sys_writev
352	517	x32	recvfrom	compat_sys_recvfrom
353	518	x32	sendmsg	compat_sys_sendmsg
354	519	x32	recvmsg	compat_sys_recvmsg
355	520	x32	execve	compat_sys_execve/ptregs
356	521	x32	ptrace	compat_sys_ptrace
357	522	x32	rt_sigpending	compat_sys_rt_sigpending
358	523	x32	rt_sigtimedwait	compat_sys_rt_sigtimedwait

359	524	x32	rt_sigqueueinfo	compat_sys_rt_sigqueueinfo
360	525	x32	sigaltstack	compat_sys_sigaltstack
361	526	x32	timer_create	compat_sys_timer_create
362	527	x32	mq_notify	compat_sys_mq_notify
363	528	x32	kexec_load	compat_sys_kexec_load
364	529	x32	waitid	compat_sys_waitid
365	530	x32	set_robust_list	compat_sys_set_robust_list
366	531	x32	get_robust_list	compat_sys_get_robust_list
367	532	x32	vmsplice	compat_sys_vmsplice
368	533	x32	move_pages	compat_sys_move_pages
369	534	x32	preadv	compat_sys_preadv64
370	535	x32	pwritev	compat_sys_pwritev64
371	536	x32	rt_tgsigqueueinfo	compat_sys_rt_tgsigqueueinfo
372	537	x32	recvmmsg	compat_sys_recvmmsg
373	538	x32	sendmmsg	compat_sys_sendmmsg
374	539	x32	process_vm_readv	compat_sys_process_vm_readv
375	540	x32	process_vm_writev	compat_sys_process_vm_writev
376	541	x32	setsockopt	compat_sys_setsockopt
377	542	x32	getsockopt	compat_sys_getsockopt
378	543	x32	io_setup	compat_sys_io_setup
379	544	x32	io_submit	compat_sys_io_submit
380	545	x32	execveat	compat_sys_execveat/ptregs
381	546	x32	preadv2	compat_sys_preadv64v2
382	547	x32	pwritev2	compat_sys_pwritev64v2