

Differences in changed files

Path:

arch/x86/syscalls

Filename:

syscall_32.tbl

Changes:

355	i386	setniceinc	set_nice_inc
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Path:

include/linux

Filename:

init_task.h

Changes:

.nice	= 0,	\
.nice_inc	= 0,	\

Path:

include/linux

Filename:

sched.h

Changes:

int nice_inc;

int nice;

Path:

include/linux

Filename:

syscalls.h

Changes:

```
asmlinkage int set_nice_inc(pid_t pid, int value);
```

Path:

kernel

Filename:

fork.c

Changes:

```
p->nice_inc = p->real_parent->nice_inc  
p->nice = p->real_parent->nice + p->real_parent->nice_inc
```

Path:

kernel

Filename:

fork.c

Changes:

```
p->nice_inc = p->real_parent->nice_inc  
p->nice = p->real_parent->nice + p->real_parent->nice_inc
```

Path:

setniceinc

Filename:

Makefile

Changes:

obj-y := setniceinc.o

Path:

setniceinc

Filename:

setniceinc.c

Changes:

```
#include <linux/kernel.h>
```

```
#include <linux/sched.h>
```

```
asmlinkage long set_nice_inc(pid_t pid, int value){
    struct task_struct *t;

    t = find_task_by_vpid(pid);
    if(t == NULL)
        return -ESRCH;
    if(value > 0){
        t->nice_inc = value;
    }
    else
        return -EBADMSG;

    return 0;
}
```

Path:

test

Filename:

test.c

Changes:

```
#include <stdio.h>
#include <unistd.h>
#include <sys/types.h>
#include <errno.h>
#include <linux/kernel.h>
#include <linux/sched.h>
```

```
int main()
{
    int retVal;
    int PID;
    int nice_inc;
    printf("Enter PID: ");
    scanf("%d", &
    printf("Enter nice val: ");
    scan("%d", &nice_inc);
    // Call set_nice_inc (355)
    retVal = syscall(355, PID, nice_inc);
    return retVal;
}
```

Path:

/

Filename:

Makefile

Changes:

```
core-y      := usr/ setniceinc/
```