

## signal handling in child process.

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/hackers/2005-10/0368.html>

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To: freebsd-hackers@freebsd.org

hello,

i have a daemon program and installed a signal\_handler() function for it. from signal\_handler:

case SIGCHLD:

```
if ((wait(&status)) == -1) return;
if (WIFSIGNALED(status)) return;
if (WIFSTOPPED(status)) return;
if (WIFEXITED(status)) return;
break;
```

in child process i am doing a fork() and then execve.

```
switch((pid = vfork())) {
case -1:
    error...
case 0:
    execve();
default:
    if (wait(&stat) == -1) {
        syslog(LOG_ERR, "wait: %s", strerror(errno));
        return -1;
    }
}
```

The problem is that: when the executing program is exited wait() returns error. 'No child processes'

I determined that, my signal handler catches SIGCHLD when the process finish. And then waits it. So the child process cannot wait its own child.

How can i solve this problem? I found a solution but i am not sure if it is best way.

I ignore SIGCHLD in child before execve.

freebsd-hackers: signal handling in child process.

```
signal(SIGCHLD, SIG_IGN);
```

What is your comments.

thank you..

-mch

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