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Thread: [forking off a new process/executing code from memory](#)

Faith Connors - December 15, 2018, 4:39 pm

okay so

i know in C you can fork a program off to create two processes, something like this:

```
Code int main() {
    pid_t pid = fork();
    if(pid==0){
        ChildProcess();
    } else {
        ParentProcess();
    }
}
```

```
void ChildProcess() {
    kill(getppid(), SIGKILL)
}
```

```
void ParentProcess() {
    sleep(5)
}
```

thus resulting in the child process becoming the new sole process. this is a super basic example with no actual application.

but what if i want to do this in java?

is there an easy fork() function that can let me do this?

essentially what i want to accomplish is write a byte array stream to memory (the easy part) then create a new forked process like this (NOT A THREAD, an entirely new process with unique process ID and everything) then execute that byte array like shellcode (something similar to whats documented [here](#)) from within that forked child process and killing the parent process (or maybe skip the parent killing part and just make it look like a cool application or something.)

i know i can just run something using runtime.exec() or whatever, done that already. problem is, that relies on a file. i want to write that byte array stream directly from memory as i download the stream from some random site. hence, i want to be able to do everything from memory, and shellcode or whatever.

so are there any easy-to-use methods or classes that i can use to handle this? ive asked around a bit already and some people have told me to take a look at invokers/reflection methods, or something named 'classconstructor' or 'classinvoker' or 'classexecuter' or something like that, it started with 'class-'.

pls help tyty <333

SIM-429621 - December 16, 2018, 4:47 am

Stick to C/C++, Java is not meant for this.

Vanagander - *December 22, 2018, 5:33 pm*

Skimmed through the documentation so might not be what you're after but check out ProcessBuilder