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VIP



Filesystem isolation #IF6 Pending

Complete previous stages to gain access to this stage.



Instructions

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Your Task Pending

MEDIUM

In the previous stage, we executed a program that existed locally on our machine. This program had write access to the whole filesystem, which means that it could do **dangerous** things!

In this stage, you'll use [chroot](#) to ensure that the program you execute doesn't have access to any files on the host machine. Create an empty temporary directory and `chroot` into it when executing the command. You'll need to copy the binary being executed too.

At the time of writing this, the implementation of `chroot` in Rust's standard library ([std::os::unix::fs::chroot](#)) is still a nightly-only experimental API. We've included [libc](#) as a dependency instead.

When executing your program within the `chroot` directory, you might run into an error that says `no such file or directory` even if the binary exists within the `chroot`. This is because [Command::output\(\)](#) expects `/dev/null` to be present. You can work around this by creating an empty `/dev/null` file inside the `chroot` directory. This cryptic error effects Go programs too, more details [here](#).

Just like the previous stage, the tester will run your program like this:

```
mydocker run alpine:latest /usr/local/bin/docker-explorer ls /some_dir
```

Ready to run tests...

[Show logs](#)