* **Problematic code:**

cd generated\_files

rm -r \*.c

func(){

cd foo

do\_something

}

* **Correct code:**

cd generated\_files || exit

rm -r \*.c

func(){

cd foo || exit

do\_something

}

## Rationale:

cd can fail for a variety of reasons: misspelled paths, missing directories, missing permissions, broken symlinks and more.

If/when it does, the script will keep going and do all its operations in the wrong directory. This can be messy, especially if the operations involve creating or deleting a lot of files.

To avoid this, make sure you handle the cases when cd fails. Ways to do this include

* cd foo || exit as suggested to abort immediately, reusing exit code from failed cd command
* cd foo || { echo "Failure"; exit 1; } abort with custom message
* cd foo || ! echo "Failure" omitting "abort with custom message"
* if cd foo; then echo "Ok"; else echo "Fail"; fi for custom handling