```
SECURITY
                                                                                    COMMAND INJECTION (1)
com/thoughtworks/go/agent/Agent
ProcessParentImpl.java
com/thoughtworks/go/util/
                                37
                                                      2
                                                                    SECURITY
                                                                                    COMMAND_INJECTION (1)
command/ProcessRunner.java
com/thoughtworks/go/util/Process
                                48
                                                      2
                                                                    SECURITY
                                                                                    COMMAND_INJECTION ①
Manager.java
com/thoughtworks/go/utils/
                                45
                                                      2
                                                                    SECURITY
                                                                                    COMMAND_INJECTION (1)
CommandUtils.java
```

```
private boolean failonError = tous:

public ProcessRunner() {
    builder = new ProcessBuilder();
}

public ProcessRunner command(String... command) {
    Suilder**command(command));
    return this;
}

public ProcessRunner withWorkingDir(String directory) {
    builder.directory(new File(directory));
    return this;
}

public ProcessRunner failonError(boolean failonError) {
    this.failonError = failonError;
    return this;
}

rutil/src/main/java/com/thoughtworks/gs/util/command/ProcessRunner.java* (6L, 2423C)

37,33
```

This usage of java/lang/ProcessBuilder.command([Ljava/lang/String;)Ljava/lang/ProcessBuilder; can be vulnerable to Command Injection

The highlighted API is used to execute a system command. If unfiltered input is passed to this API, it can lead to arbitrary command execution.

Vulnerable Code:

import java.lang.Runtime; Runtime r = Runtime.getRuntime(); r.exec("/bin/sh -c some tool" + input);

References

OWASP: Command Injection

OWASP: Top 10 2013-A1-Injection

CWE-78: Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')