



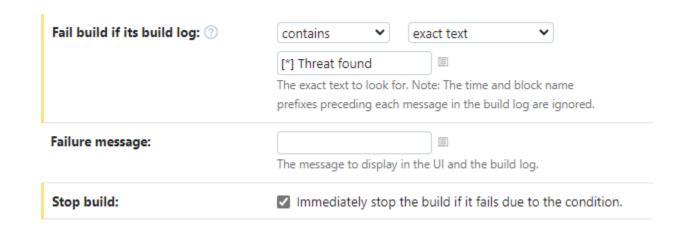
We could also integrate AV scanning into the build steps and "fail" the pipeline if the artifact gets detected. By default, a build will fail if something returns an exit code other than 0. However, most tools don't do that - they print an error to the console and return normally.

Luckily, TeamCity saves all stdout to the build log.

Within the build configuration, go to **Failure Conditions** in the left-hand menu, and under **Additional Failure Conditions** click **Add failure condition**. From the dropdown menu select **Fail build on specific text in build log**. Here, we can specify exact text to look for, or use regex.

For ThreatCheck specifically, we can look for the string [*] Threat found

Also tick Immediately stop the build if it fails due to the condition.



Add another build step to perform the scan (using the PowerShell or Command Line runner). Click **show advanced options** at the bottom and set the working directory to keekoutDir%\%system.teamcity.projectName%\bin\Release.

The actual steps to execute will then be:

```
C:\ThreatCheck\ThreatCheck.exe -f %system.teamcity.projectName%.exe -e Defender
C:\ThreatCheck\ThreatCheck.exe -f %system.teamcity.projectName%.exe -e AMSI
i Remember that you will need to download a copy of ThreatCheck to the TeamCity VM.
```

Run the build and everything should pass. You can also inspect the build log to see ThreatCheck's output.

```
11:37:24 Step 4/4: Scan with ThreatCheck (Command Line)

11:37:24 Starting: C:\TeamCity\buildAgent\temp\agentTmp\custom_script8731328937737091980.cmd

11:37:24 in directory: C:\TeamCity\buildAgent\work\9ea9d73f7fc269a0\Rubeus\bin\Release

11:37:27 [+] No threat found!

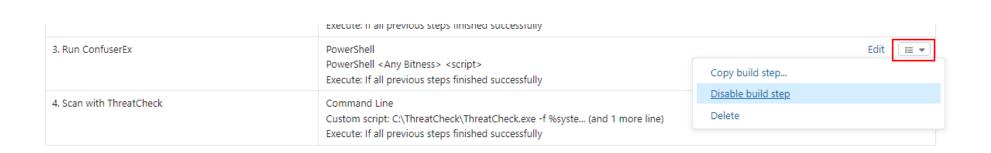
11:37:27 [*] Run time: 2.22s

11:37:29 [+] No threat found!

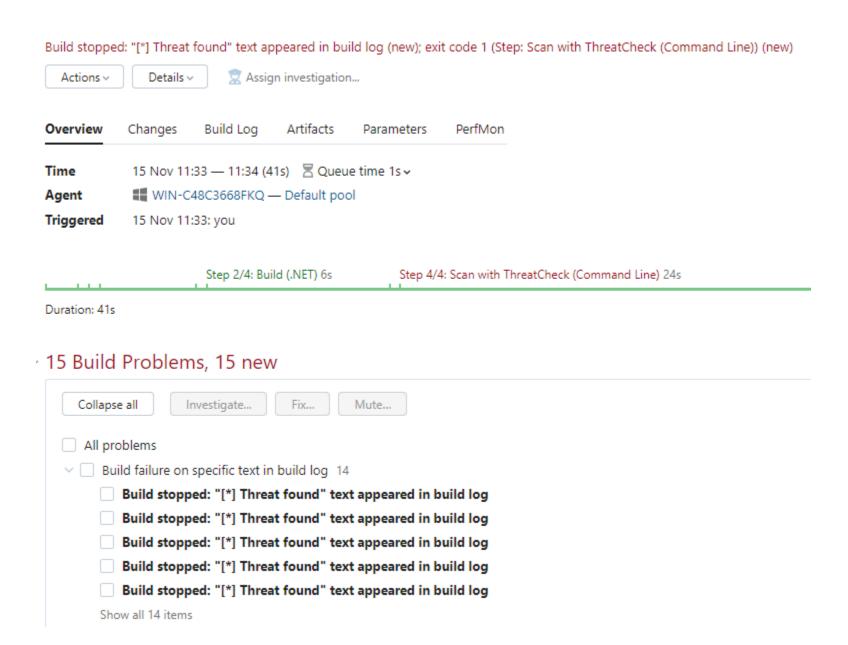
11:37:29 [*] Run time: 1.86s

11:37:29 Process exited with code 0
```

As a validation exercise, disable the ConfuserEx build step and run the build again.



This time, the build should fail.



This can also be expanded upon to suite your needs. For instance, we could build the artifact, calculate its checksum and then check VirusTotal for known matches. If any positive results come back, then fail the build.