

Bamboo cppCheck Integration

이 페이지는 cppCheck의 실행 결과를 Bamboo와 연동하는 방법을 제공한다.

original site = <https://pypi.org/project/cppcheck-junit/>

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사전 준비

- Python 설치
- cppcheck 설치

cppcheck XML to JUnit XML 변환기 설치

Step 1) cppcheck-junit 설치

```
$ pip install cppcheck-junit
```

업데이트

```
$ pip install --upgrade cppcheck-junit
```

설치 제거

```
$ pip uninstall cppcheck-junit
```

Step 2) 시험

```
# cppcheck
$ cppcheck --xml-version=2 --enable=all . 2> cppcheck-result.xml

# JUnit XML
$ cppcheck_junit cppcheck-result.xml cppcheck-junit.xml
```

Bamboo 빌드 구성

Source Code Checkout

Checkout 될 저장소 지정

cppcheck 수행

스크립트 유형의 Task를 추가하고 cppcheck script 편집

Linux 예)

```
#!/bin/bash

rm -rf test-report

mkdir -p results
# cppcheck
cppcheck --xml-version=2 --enable=all . 2> results/cppcheck-result.xml

mkdir -p test-report
# JUnit XML
cppcheck_junit results/cppcheck-result.xml test-report/cppcheck-junit.xml
```

Job details Tasks Requirements Artifacts Miscellaneous

Tasks

A task is a piece of work that is being executed as part of the build. The execution of a script, a shell command, an Ant Task or a Maven goal are only few examples of Tasks. [Learn more about tasks.](#)

You can use [runtime](#), [plan](#) and [global variables](#) to parameterize your tasks.

2 agents have the [capabilities](#) to run this job

Source Code Checkout

Checkout Default Repository

Script

cppcheck

JUnit Parser

Script

Build

Final tasks

Are always executed even if a previous task fails

Drag tasks here to make them final

Add task

Script configuration

How to use the Script task

Task description

cppcheck

☐ Disable this task

Interpreter

Shell

An interpreter is chosen based on the shebang line of your script.

Script location

Inline

Script body*

```
1 #!/bin/bash
2
3 rm -rf test-report
4
5 mkdir -p results
6 # cppcheck 실행
7 cppcheck --xml-version=2 --enable=all . 2> results/cppcheck-re
8
9 mkdir -p test-report
10 # JUnit XML 형식으로 변환
11 cppcheck_junit results/cppcheck-result.xml test-report/cppcheck
```

JUnit parser

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Source Code Checkout
Checkout Default Repository

Script
cppcheck

JUnit Parser

Script
Build

Final tasks
Are always executed even if a previous task fails

Drag tasks here to make them final

Add task

JUnit Parser configuration

[How to use the JUnit Parser task](#)

Task description

☐ Disable this task

Specify custom results directories

Where does the build place generated test results?
this is a comma separated list of test result directories. You can also use Ant style patterns such as **/test-reports/*.xml

Advanced options

☒ Pick up test results that were created outside of this build

Files created before the current build was started will be analyzed as valid tests results

Save Cancel

Build

JUNIT parser 단계에서 오류가 발생하지 않으면 코드 빌드

수행 결과

cppcheck에 오류가 발생한 경우 예시

테스트 결과 요약

빌드 번호를 클릭하면 테스트 결과 요약을 볼 수 있다.

Build projects / Hello Bamboo / Commit Build with cppcheck

Build #11

master

Branch status

←

✓

⚠

✓

⚠

⚠

⚠

⚠

⚠

⚠

⚠

→

Run Actions

#11 failed – Manual run by Terry.Hwang

Summary

Tests

Commits

Artifacts

Logs

Metadata

Issues

Test results

2 tests in total 2 tests failed 2 seconds taken in total.

Existing test failures 2

Test	Failing since	View job	Duration
⚠ Cppcheck error src/ssl-client.c	#9 (Manual run by Terry Hwang)	Default Job	1 sec
⚠ Cppcheck error Cppcheck error	#9 (Manual run by Terry Hwang)	Default Job	1 sec

오류 세부 내용

테스트 항목을 클릭하면 오류 내용 표시

- Summary
- Tests
- Commits
- Artifacts
- Logs
- Metadata
- Issues

Test results

2 tests in total 2 tests failed 2 seconds taken in total.

Existing test failures 2				
Test	Failing since	View job	Duration	
❗ Cppcheck error src/ssl-client.c ⓘ : 59: (style) The scope of the variable 'data' can be reduced. : 116: (style) Variable 'ssl_connect_ret' is assigned a value that is never used. : 186: (style) The function 'function_for_sotry1' is never used. : 191: (style) The function 'function_for_sotry2' is never used. : 196: (style) The function 'function_for_sotry3' is never used.	#9 (Manual run by Terry Hwang)	Default Job	1 sec	⚙️
▶️ ❗ Cppcheck error Cppcheck error ⓘ	#9 (Manual run by Terry Hwang)	Default Job	1 sec	⚙️