

# 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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## Tasks

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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

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

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

## 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	
<div>❗ Cppcheck error <a href="#">src/ssl-client.c</a> ⓘ</div> <div><div>: 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.</div></div>	#9 (Manual run by <a href="#">Terry Hwang</a> )	<a href="#">Default Job</a>	1 sec	⚙️
<div>▶️ ❗ Cppcheck error <a href="#">Cppcheck error</a> ⓘ</div>	#9 (Manual run by <a href="#">Terry Hwang</a> )	<a href="#">Default Job</a>	1 sec	⚙️