

Bamboo 빌드 플랜 구성 - Task 설정

이 문서는 Bamboo 빌드 플랜 구성 단계 중에 Task 설정에 대한 정보를 공유하기 위해 작성되었다.

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빌드 플랜 수정

빌드 플랜에서 테스트를 추가하기 위해 아래와 같이 Stages > Default Job을 선택한다.

The screenshot shows the Bamboo web interface for plan configuration. The top navigation bar includes 'Bamboo', 'My Bamboo', 'Projects', 'Build', 'Deploy', 'Specs', 'Reports', and a 'Create' button. The main header shows 'Build dashboard / Test Project / Development Build' and 'Plan configuration' for the 'DEFAULT BRANCH'. Below this, the 'Plan branch' is set to 'master'. The left sidebar shows 'Default plan configuration' with a 'Stages & jobs' section containing 'Default Stage' and 'Default Job'. The 'Default Job' is highlighted with a red box and a red arrow pointing to the 'Default Stage' in the main content area. The main content area has tabs for 'Plan details', 'Stages', 'Repositories', 'Triggers', 'Branches', 'Dependencies', 'Permissions', 'Notifications', 'Variables', 'Audit log', and 'Other'. The 'Stages' tab is active, showing 'Plan contents' with a list of stages: 'Default Stage' and 'Default Job'. The 'Default Job' is highlighted with a red box. Below the stages list is a '+ Add job' button. At the bottom, there is a 'Related deployment projects' section with a 'Create deployment project' button. The footer shows 'Continuous integration powered by Atlassian Bamboo version 8.1.3 build 80110 - 18 Feb 22' and the Atlassian logo.

Task - Source Code Checkout

Task 설정 페이지가 나타나면, Add task 버튼을 클릭한다. Task types 팝업 창이 나타나면, code를 검색해서 Source Code Checkout 을 선택한다.

The screenshot shows the Atlassian Bamboo web interface. The top navigation bar includes 'Bamboo', 'My Bamboo', 'Projects', 'Build', 'Deploy', 'Specs', 'Reports', and a 'Create' dropdown. The main header shows the breadcrumb 'Build dashboard / Test Project / Development Build / Default Job' and the title 'Plan configuration' with a 'DEFAULT BRANCH' tab. A search bar and 'Run'/'Actions' buttons are also visible. The left sidebar lists 'Default plan configuration', 'Stages & jobs', 'Default Stage', and 'Default Job'. The 'Task types' dialog box is open, displaying a list of task categories on the left: 'All', 'Builder', 'Tests', 'Deployment', 'Source Control', and 'Variables'. The 'All' category is selected, showing a grid of task cards: 'AWS CodeDeploy' (Deploy an application to AWS EC2 instances using AWS CodeDeploy), 'Source Code Checkout' (Checkout from a repository, highlighted with a red box), 'OCUnit Test Parser' (A task that parses test results from a log file produced by the xcodebuild (using OCUnit)), and 'Xcode' (Build an Xcode project including Cocoa and iOS). At the bottom of the dialog, there is a link to 'Get more tasks on the Atlassian Marketplace or write your own' and a 'Cancel' button. The footer of the interface states: 'Powered by a free Atlassian Bamboo evaluation license. Please consider purchasing it today.'

아래와 같이 저장소를 선택하고 하단 Save 버튼을 클릭한다.

Default plan configuration

Stages & jobs

Default Stage

Default Job

Job details

Docker

Tasks

Requirements

Artifacts

Other

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](#), [project](#) and [global](#) variables to parameterize your tasks.

1 agent has the capabilities to run this job

Source Code Checkout

Final tasks Are always executed even if a previous task fails

Drag tasks here to make them final

Add task

Source Code Checkout configuration

[How to use the Source Code Checkout task](#)

Task description

☐ Disable this task

☐ Add condition to task [?](#)

You can check out one or more repositories with this Task. You can choose to check out the Plan's *Default Repository* or specify a *Specific Repository*. You can add additional repositories to this Plan via the [Plan configuration](#).

Repository*

antpro-master

Default always points to Plans default repository.

Checkout Directory

(Optional) Specify an alternative sub-directory to which the code will be checked out.

☐ Force Clean Build

Removes the source directory and checks it out again prior to each build. This may significantly increase build times.

[+ Add repository](#)

[Save](#) [Cancel](#)

Task - Ant

이 번에는 Ant 빌드를 위해 다음과 같이 정보를 입력 후에 저장한다.

- Executable - ant 선택
- Build file - build.xml
- Target - prepare, compile, test
- The build will produce test results. 체크
- Specify custom results directories : 테스트 보고서 위치 `**/testReports/*.xml`

Source Code Checkout

Checkout Default Repository

Ant

Final tasks Are always executed even if a previous task fails

Drag tasks here to make them final

Add task

Ant configuration

How to use the Ant task

Task description

☐ Disable this task

Executable

apache-ant-1.10.5

Add new executable

Build file

build.xml

Target*

prepare compile test

The target you want to execute. You can also define system properties such as -Djava.Awt.Headless=true.

Build JDK*

JDK 1.8.0_191

Add new JDK

Which JDK do you need to use for the build? the JAVA_HOME will be added as an environment variable.

Environment variables

Extra environment variables. e.g. JAVA_OPTS="-Xmx256m -Xms128m". You can add multiple parameters separated by a space.

Working subdirectory

Specify an alternative subdirectory as working directory for the task.

Where should Bamboo look for the test result files?

☒ The build will produce test results.

If checked, the build will fail if no tests are found. Test output must be in JUnit XML format.

Specify custom results directories

**testReports/*.xml

Where does the build place generated test results?

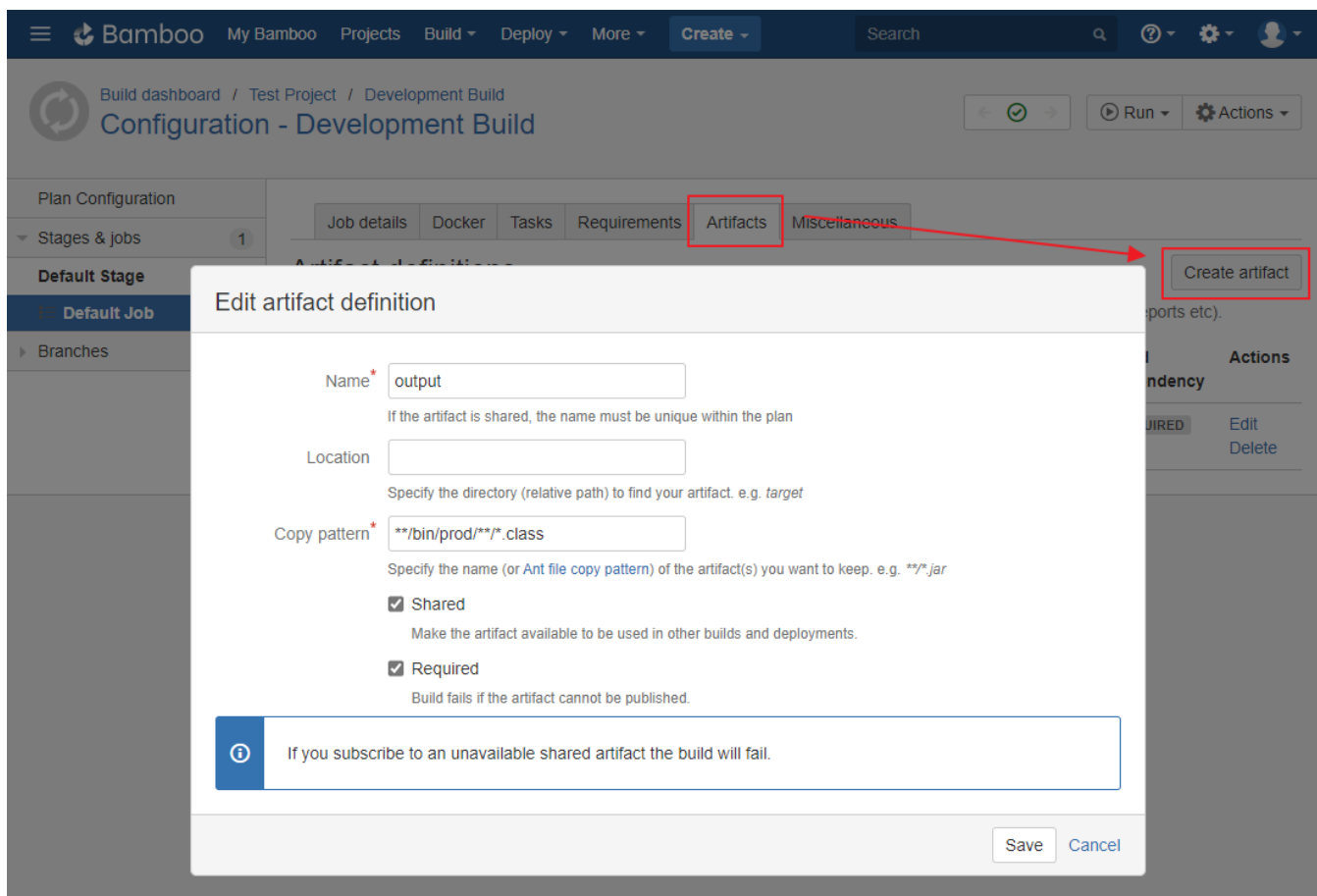
this is a comma separated list of test result directories. You can also use Ant style patterns such as **/test-reports/*.xml

빌드 Artifacts 만들기

빌드 후에 생성되는 파일들을 Artifact로 지정하여, 배포 시 사용할 수 있다. 이를 위해 상단 Artifacts 탭에서 Create artifact 버튼을 클릭한다.

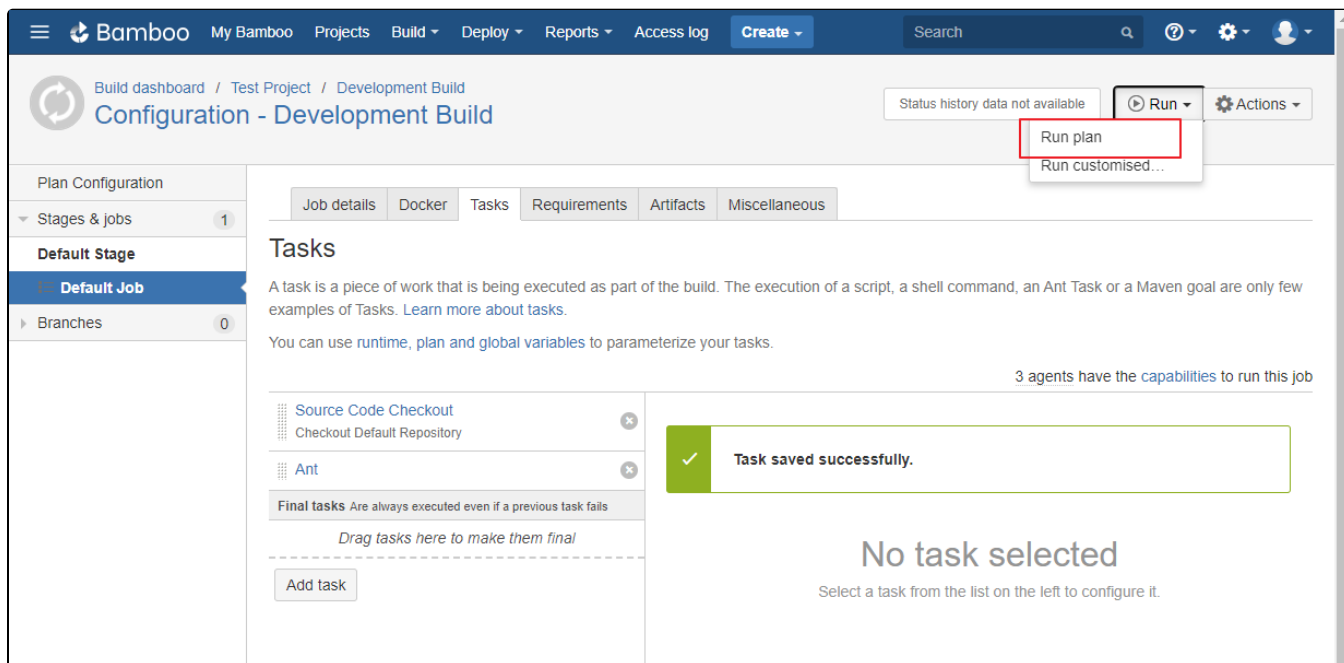
다음 정보를 입력하여 Artifact를 정의 후에 저장한다.

- Name : Artifact의 이름
- Location : Artifact가 만들어지는 경로
- Copy Pattern : 예) **/bin/prod/**/*.*.class
- Shared 체크
- Required 체크



Plan 실행

Task 저장 후에 플랜을 실행하기 위해 상단 Run 메뉴에서 Run plan 메뉴를 선택한다.



빌드 결과

빌드가 성공되면 아래와 같이 빌드 정보를 확인할 수 있다.

The screenshot shows the Bamboo web interface for a successful build. The top navigation bar includes links for Build dashboard, Test Project, and Development Build. The main header indicates the build is successful and was manually run by '설전호 이사'. Below this, a tabbed interface shows the 'Summary' tab selected. The 'Build result summary' section displays details such as completion time (17 Mar 2022, 7:54:30 PM), duration (1 second), labels (None), agent (Second Local Agent), revision (14c21531), and total tests (4). The 'Tests' section shows zero new failures, existing failures, and fixed tests. At the bottom, there is a comment box.

Build dashboard / Test Project / Development Build
Build #1

← [Success Icon] → Run Actions

🟢 #1 was successful – Manual run by 설전호 이사

Summary Tests Commits Artifacts Logs Metadata Issues

Build result summary

Details

Completed 17 Mar 2022, 7:54:30 PM – 41 seconds ago

Duration 1 second

Labels None

Agent Second Local Agent

Revision 14c21531 ...

Total tests 4

Tests

Test Type	Count
New failures	0
Existing failures	0
Fixed	0

Write a comment...

- Summary - 빌드 요약 정보
- Tests - 단위 테스트 결과
- Commits - 커밋 정보
- Artifacts - 빌드 산출물
- Logs - 로그 파일