

Bamboo 배포 프로젝트 구성하기

이 문서는 Atlassian Bamboo에서 배포 프로젝트를 구성하는 예제를 공유하기 위해 작성되었다.

- 배포 프로젝트 생성
- 환경 추가하기
- 환경에 배포 Task 설정
 - 배포 아티팩트 선택 Task
 - 배포 산출물 서버에 복사 Task
- 배포하기

배포 프로젝트 생성

배포 프로젝트를 만들기 위해 상단 Create 버튼에서 Create deployment project를 선택한다.

The screenshot shows the Atlassian Bamboo web interface. At the top, there is a navigation bar with the 'Create' button highlighted. A dropdown menu is open, showing options: 'Create Bamboo Specs', 'Create plan', 'Clone plan', 'Create project', and 'Create deployment project'. The 'Create deployment project' option is highlighted with a red box. Below the navigation bar, there is a 'Build dashboard' for 'Test Project' with buttons for 'Project wallboard' and 'Project settings'. A table lists builds with columns: Plan, Build, Completed, Reason, and Reason. The table shows two builds: 'crontab' and 'Development Build'. At the bottom, there is a footer with the Atlassian logo and version information.

Plan	Build	Completed	Reason	Reason
crontab	#7	1 month ago	No tests found	Changes by 설진호 이사
Development Build	#3	9 minutes ago	4 passed	Rebuilt by 설진호 이사

다음과 같이 Create deployment project 페이지가 나타나면, 프로젝트 Name과 빌드 프로젝트를 선택한다.

이때 선택하는 빌드 프로젝트는 빌드 결과물인 Artifact를 공유해야한다. 모든 값이 입력되면 Create deployment project 버튼을 클릭한다.

Create deployment project [How deployments work](#)

A deployment project defines which build plan you get your artifacts from, and contains the environments you want to deploy to.

Deployment project details

Name*

Description

Link to build plan [How deployment releases work](#)

Shared artifacts of the selected plan will be bundled into releases. Releases will be deployed to the environments.

Build plan*

Start typing the plan name or use the down arrow to select a plan. The selected plan will be used as the source for artifacts that will be deployed as a release.

☒ Use the main plan branch

Currently

☐ Use a custom plan branch

환경 추가하기

배포 프로젝트가 완성되면 배포 대상 서버인 배포 환경(Environment)을 추가해야 한다.

빌드 산출물은 개발 서버, 스테이징 서버, 운영 서버와 같이 다양한 환경에 배포 될 수 있다.

배포 환경을 추가하기 위해 하단 Add Environment 버튼을 클릭한다.

[Deployment projects](#) / [Test Deploy Project](#)

Configuration: Test Deploy Project

What you want to deploy

Source build plan [Test Project > Development Build](#)

Available artifacts [output](#)

환경 이름과 설명을 선택 후에 Create 버튼을 클릭한다.

Set up environment for Test Deploy Project [How environments work](#)

Environments represent where releases are deployed to.

Environment details

Environment name*
e.g. Staging, QA, or Production

Description

Isolate deployment

Deployments are normally run in the agent's native operating system. If you want to deploy your release in an isolated and controlled environment, you can do it with Docker.

Deploy release in* ☒ Agent environment
☐ Docker container

[Create](#) [Cancel](#)

환경에 배포 Task 설정

배포 환경이 만들었으면, 배포하는 절차를 기술해야 한다. 예시로 다음과 같은 간단한 절차가 될 수 있다.

1. 빌드 산출물 선택
2. 빌드 산출물을 서버의 복사

이를 위해 해당 배포 환경에서 Set up tasks 버튼을 클릭한다.

Bamboo My Bamboo Projects Build Deploy More **Create** Search

Deployment projects / Test Deploy Project

Configuration: Test Deploy Project

Deploy Add environment

What you want to deploy

Source build plan Test Project > Development Build

Available artifacts output

Edit build plan Release versioning Project permissions Bamboo Specs repositories Audit log

Environment: Development
Deploy Actions Minimise

개발 서버

How you want to deploy **INCOMPLETE** Add at least one more task to the task list
Tasks define the steps involved in deploying a release to the environment.

Set up tasks

Other environment settings
These settings are not strictly necessary for your deployment to run, but they can be very helpful and allow you to make Bamboo deployments go just right.
Triggers 0 Docker Agents assignment Notifications 0 Variables 0 Environment permissions

Add environment

Continuous integration powered by Atlassian Bamboo version 6.7.2 build 60706 - 10 Dec 18

Report a problem · Request a feature · Contact Atlassian · Contact Administrators

ATLASSIAN

배포 아티팩트 선택 Task

빌드 산출물은 여러개가 될 수 있다 그중 배포해야할 산출물을 아래와 같이 선택한다.

Set up tasks: Development [How deployment tasks work](#)

What tasks need to happen to make this deployment a success 4 agents have the capabilities to deploy this environment

- Clean working directory task
- Artifact download**
 - Download release contents
- Final tasks Are always executed even if a previous task fails

Drag tasks here to make them final

Add task

Artifact download configuration

[Using artifact sharing](#)

Task description

Download release contents

☐ Disable this task

Artifact name*

output

Destination path

Location that artifacts will be downloaded to, relative to the working directory

[Add another artifact](#)

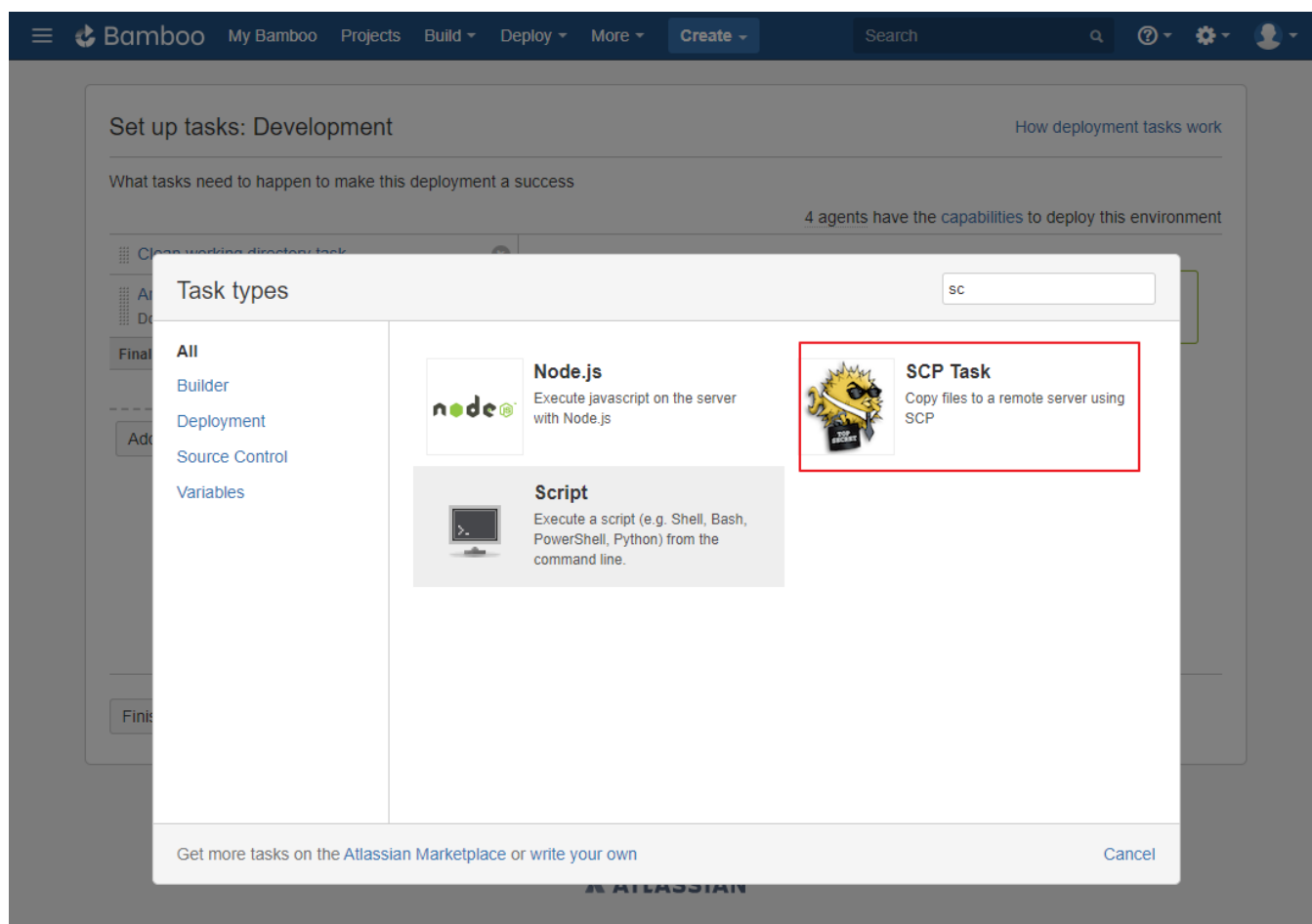
Save Cancel

Finish deployment project

배포 산출물 서버에 복사 Task

배포 산출물을 서버에 복사하기 위해 SCP Task를 선택할 수 있다. 이는 서버의 운영체제의 종류, 지원 도구에 따라 적절한 태스크를 선택할 수 있다.

SCP Task를 설정하기 위해 Add Task 버튼을 클릭해서, SCP Task 검색하여 선택한다.



SCP Task를 구성하기 위해 다음 정보를 입력한다.

- Host - 서버 IP
- Authentication type
 - Username and password 입력
- Artifact - 배포 산출물 선택
- Remote Path - 배포 위치 입력

Clean working directory task

Artifact download

Download release contents

SCP Task

Final tasks

Are always executed even if a previous task fails

Drag tasks here to make them final

Add task

4 agents have the capabilities to deploy this environment

SCP Task configuration

How to use the SCP task

Task description

Disable this task

Host*

10.0.100.10

Hostname or IP address of the remote host

Authentication type*

Username and password

Choose how Bamboo should authenticate

Provide username and password

Use shared credentials

Reuse predefined shared credentials or provide custom username/password pair for authentication

Username*

CURVC

Username used for accessing the remote host.

Password*

Password used for accessing the remote host

Artifact

CRON-DB: output

Remote Path*

/data/prod/com/work

Advanced Options

모든 Task 설정이 완료되면 하단 Finish deployment project 버튼을 클릭한다.

Set up tasks: Development [How deployment tasks work](#)

What tasks need to happen to make this deployment a success

4 agents have the capabilities to deploy this environment

- Clean working directory task
- Artifact download
 - Download release contents
- SCP Task

Final tasks Are always executed even if a previous task fails

Drag tasks here to make them final

Add task

Task saved successfully.

No task selected

Select a task from the list on the left to configure it.

Finish deployment project

배포하기

이제 구성된 배포 환경에 실제 배포를 수행해야 할 단계다. 이를 위해 상단 Deploy 메뉴에서 Development(환경) 명을 선택한다.

Bamboo My Bamboo Projects Build Deploy More Create Search ? ? ? ?

Deployment projects / Test Deploy Project

Configuration: Test Deploy Project

Deploy Add environment ...

Development

What you want to deploy

Source build plan Test Project > Development Build

Available artifacts output

Edit build plan Release versioning Project permissions Bamboo Specs repositories Audit log

Environment: Development Deploy Actions Minimise

개발 서버

How you want to deploy

Tasks define the steps involved in deploying a release to the environment.

Edit tasks

Other environment settings

These settings are not strictly necessary for your deployment to run, but they can be very helpful and allow you to make Bamboo deployments go just right.

Triggers 0 Docker Agents assignment Notifications 0 Variables 0 Environment permissions

+ Add environment

Deployment preview 창이 나타나면, 빌드와 릴리즈 명을 입력하고 Start deployment를 선택한다.

Bamboo My Bamboo Projects Build Deploy More Create Search ? ? ? ?

Deployment preview: Development

How deployment releases work

Select a release to deploy ☒ Create new release from build result

Build result* #3 17 minutes ago ?

Release* release-1 ?

☐ Promote existing release to this environment - There are no existing releases

Artifacts provided by #3

This is your first release in this deployment project.

Therefore, we cannot calculate the number of issues and commits in this release.

Execution details 3 tasks

Start deployment Cancel

모든 배포가 완료되면 다음과 같이 배포 요약 정보를 확인할 수 있다.

[Bamboo](#)
[My Bamboo](#)
[Projects](#)
[Build](#)
[Deploy](#)
[More](#)
[Create](#)

[Deployment projects](#) / [Test Deploy Project](#) / [Environment: Development](#)
[Deployment: release-1 on Development](#)
[Deploy](#)
[...](#)
Success: Deployment of release-1 to Development

Details

Release [release-1](#)

master

Trigger [Manual run by 설진호 이사](#)

Completed 17 Mar 2022 08:44 PM

Duration < 1 second

On agent [Forth Agent](#)Status **SUCCESS**The deployment generated 16 lines of output. [Download](#) or [View full deployment log](#)

```

17-Mar-2022 20:44:19 Build Deployment of 'release-1' on 'Development' started building on agent Forth Agent
17-Mar-2022 20:44:19 Build working directory is /app/atlassian/application-data/bamboo-home/xml-data/build-dir/40665089-40828929
17-Mar-2022 20:44:19 Executing build Deployment of 'release-1' on 'Development'
17-Mar-2022 20:44:19 Starting task 'Clean working directory task' of type 'com.atlassian.bamboo.plugins.bamboo-artifact-downloader-plugin:cleanWorkingDirectoryTask'
17-Mar-2022 20:44:19 Cleaning working directory '/app/atlassian/application-data/bamboo-home/xml-data/build-dir/40665089-40828929'
17-Mar-2022 20:44:19 Finished task 'Clean working directory task' with result: Success
17-Mar-2022 20:44:19 Starting task 'Download release contents' of type 'com.atlassian.bamboo.plugins.bamboo-artifact-downloader-plugin:artifactdownloadertask'
17-Mar-2022 20:44:19 Preparing to download plan result CRON-DB-3 artifact: Non required shared artifact: [output], pattern: [**/bin/prod/**/*.class]
17-Mar-2022 20:44:19 Artifact [output] downloaded successfully in 7.104 ms to working directory
17-Mar-2022 20:44:19 Finished task 'Download release contents' with result: Success
17-Mar-2022 20:44:19 Skipping execution of task 'com.atlassian.bamboo.plugins.bamboo-scp-plugin:scptask' as it is disabled
17-Mar-2022 20:44:19 Finalising the build...
17-Mar-2022 20:44:19 Stopping timer.
17-Mar-2022 20:44:19 Build 40665089-40828929-41123841 completed.
17-Mar-2022 20:44:19 Finished processing deployment result Deployment of 'release-1' on 'Development'

```