

Bamboo

1. Download Bamboo
2. Go to the [Atlassian Bamboo download page](#) to download the version that is suitable for your Windows system.
3. Check the compatibility for your supported platform [here](#).
4. Install Bamboo for your Windows 11
5. Once the Bamboo zip file is downloaded, extract it to your desired directory, for example, C:\Atlassian\
6. Bamboo requires Java to run. Make sure your system has **JDK 17** installed.
7. After installing JDK 17, set the **JAVA_HOME** environment variable to the path of your JDK 17.
8. Configure Bamboo
9. Open the extracted folder and navigate to this path: <Bamboo installation folder>/Atlassian-bamboo/WEB-INF/classes/ and open the **bamboo-init.properties** file.
10. In this file, insert the property “bamboo.home”, with an absolute path to your Bamboo home directory (for example, C:\Atlassian\Bamboo). Your file should look like this: **bamboo.home=C:\Atlassian\Bamboo**
11. Open a command prompt as an Administrator in the Bamboo installation directory (C:\Atlassian)
12. Start Bamboo using the following command: **bin\start-bamboo.bat**
13. Access Bamboo from a browser by going to <http://localhost:8085>
14. Set up Bamboo on the web portal now
15. You will be asked for a license.

localhost:8085/setup/setupLicense.action

Enter license Configure instance Configure database Import data Create admin

Welcome to Bamboo Data Center

You need a licence key to set up Bamboo Data Center. Enter your licence key or generate new licence below. You need an account at [MyAtlassian](#) to generate a license key.

Enter your license key

Server id **B8O5-ND5O-RZWF-6LSH**

License key*

[Generate a Bamboo Data Center license at MyAtlassian.](#)

16.

17. You have to copy your Server ID.

18. Go to the license evaluation site and select your product as Bamboo. After that, enter the necessary details, and then the Server ID is copied above.

19. This will generate your License.

https://my.atlassian.com/license/evaluation

New Trial License

Product **Bamboo**

License type **Bamboo (Data Center)**

Organization **Encryption Consulting LLC**

Your instance is: ☐ up and running ☒ not installed yet

Server ID **B8O5-ND5O-RZWF-6LSH**

Invalid Server ID - Please try copying and pasting the Server ID directly from the product.

Please note we only provide trial support for 90 days per product.

By clicking "Generate License" below, you agree to the Atlassian [Software License Agreement](#) and [Privacy Policy](#).

Generate License Cancel

20.

21. Paste this license on the Bamboo Dashboard and click on "Continue."

← ↻ ⓘ localhost:8085/setup/setupLicense.action 🔍 ☆ 📄

Enter license Configure instance Configure database Import data Create admin

Welcome to Bamboo Data Center

You need a licence key to set up Bamboo Data Center. Enter your licence key or generate new licence below. You need an account at [MyAtlassian](#) to generate a license key.

Enter your license key

Server id **B805-ND50-RZWF-6LSH**

License key*

```
AAABxg0ODAAoPeNqNUsFum0AQvIMVSL20qpgWsA21hF8nlQcNBgdQU0e+rLdj2BQWuixO+fuCMXEbp
VKIvczMznsz7827IAU1cdJFdv+W+mupmip2U3VAskzBAohkFXelBG8aDrS0CdIT8p9VY0RkikRH
ClumFjhW+5BfHfrUxhUIBSrDLhs4E1XAKaBN+D9qpnco/sDUNWQrSotvqGD1wDdCekdStOQSnynOK
GIIXQ0hKHC0Xnsx9ifB9KQHJrgnBTE2FmPHLWlyZ42f8Y2Hv1JfzJ/G1rjdm85YC11po/P2f3TK
o+7u4laFR9Fhrfze7O72z5lfjQ75K652jk721rD453AdxMv1AIDzWeWrlvTAlkkImA/kKIBJQFxb
Nf/v7ajuRa680LHx9utEWQ3CojoPsKohmW18clWcg2TV3ZtILmplHXwvdszt+MLXUGOVX3w/7q
6MAH3ZL9aKjsiasz3LC6T9ceNPGTUH4ycA3qzGUYSzyzCaNJ72stQlpERzprAS49T0Z0GVnHFm
```

Generate a Bamboo Data Center license at [MyAtlassian](#).

Continue

22.

23. Configure the Instance with the necessary details.

Configure instance

Configure your Bamboo Data Center instance.

Bamboo instance details

The following details are required to identify your Bamboo instance:

Name

This will be the name of your single or multi-node Bamboo instance.

Base URL*

This is the URL for your Bamboo instance. All links created (e.g., for emails) will be prefixed by this URL.
This will be the load balancer URL for multi-node instances.

Shared system directories

Depending on where your instance is located, you may want to configure the system directories. Additionally, if you have multiple users accessing Bamboo, you may want to have these directories located on a shared server.

Shared home path

Configuration directory*

This is where your settings for Bamboo are stored.

Build data directory*

This is where Bamboo saves the build data such as results and artifacts.

Artifacts directory*

This is where Bamboo stores build artifacts.

Repository logs directory*

This is where logs for Bamboo Specs executions are stored.

Local build directory

The local build directory allows you to checkout source code to a specific location on your computer.

Local home path

Build working directory*

This is where Bamboo temporarily puts checked-out files used for building.

Remote agent communication

The URL which agents use to connect to Bamboo:

Broker client URL*

[Continue](#)

24.

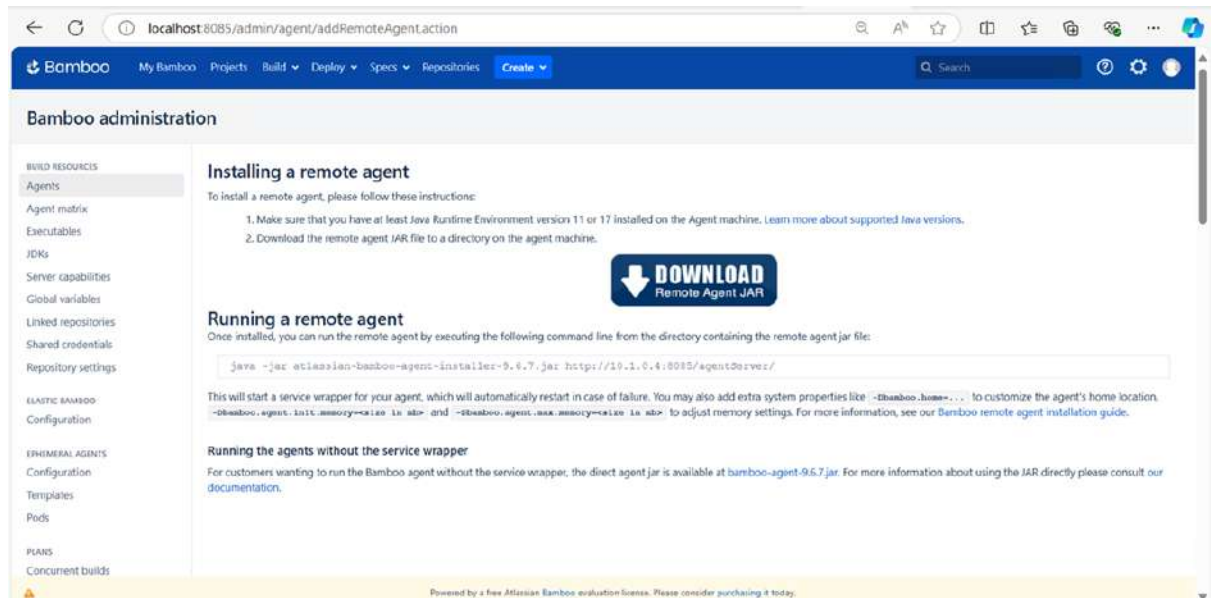
25. Bamboo requires a database to store build data. You can use PostgreSQL, MySQL, or any supported database. By default, Bamboo will offer to use an embedded HSQL database, but for production use, it's better to configure an external one (like PostgreSQL or MySQL). In our case, we are using an H2-embedded database; you can follow this [guide](#).

26. After configuring the Database, complete the setup in the Web UI by configuring an Administrator Account (admin username, password, and email).

27. Install Bamboo agents

28. Download the Remote Agent Jar from the **Agents** section inside **Build Resources**.

29. In the **Agents** tab, you'll see a list of both local and remote agents that are connected to Bamboo. If you don't see any agent, click on the "Install Remote Agent" button.



30. Powered by a free Atlassian Bamboo evaluation license. Please consider purchasing it today.

31. After that, you'll be prompted to approve the agent.

```
INFO | jvm 1 | 2024/10/09 18:27:53 | 2024-10-09 18:27:53,144 INFO [WrapperSimpleAppMain] [RemoteAgentHomeLocatorForBootstrap] Using agent home located at [C:\Users\riley\bamboo-agent-home]
INFO | jvm 1 | 2024/10/09 18:27:53 | 2024-10-09 18:27:53,189 INFO [WrapperSimpleAppMain] [AgentContext] Requesting fingerprint, url: http://10.1.0.4:8085/agentServer/GetFingerprint.action?hostName=DemoClientMachi.fh23rhoxs0tuejglhwpin2rzkb.bx.internal.cloudapp.net&version=5&agentUuid=ed1a7850-5fe7-4ac1-a2f0-b9581bde19a3
INFO | jvm 1 | 2024/10/09 18:27:53 | 2024-10-09 18:27:53,189 INFO [WrapperSimpleAppMain] [RemoteAgentHttpClientFactory] Creating a new HTTP client...
INFO | jvm 1 | 2024/10/09 18:27:53 | 2024-10-09 18:27:53,252 INFO [WrapperSimpleAppMain] [AgentContext] Authenticating against Bamboo server at http://10.1.0.4:8085/agentServer/
INFO | jvm 1 | 2024/10/09 18:27:53 | 2024-10-09 18:27:53,687 WARN [WrapperSimpleAppMain] [AgentContext]
INFO | jvm 1 | 2024/10/09 18:27:53 | *****
INFO | jvm 1 | 2024/10/09 18:27:53 | *
INFO | jvm 1 | 2024/10/09 18:27:53 | * This agent requires manual approval.
INFO | jvm 1 | 2024/10/09 18:27:53 | * UUID: ed1a7850-5fe7-4ac1-a2f0-b9581bde19a3
INFO | jvm 1 | 2024/10/09 18:27:53 | * Message from the server is:
INFO | jvm 1 | 2024/10/09 18:27:53 | * Approve this agent at 'http://10.1.0.4:8085/admin/agent/viewAgents.action?focusUuid=ed1a7850-5fe7-4ac1-a2f0-b9581bde19a3&selectedTab=Agent+authentication'. Check that the IP is correct.
INFO | jvm 1 | 2024/10/09 18:27:53 | * Next authentication attempt in 60 seconds...
INFO | jvm 1 | 2024/10/09 18:27:53 | *
INFO | jvm 1 | 2024/10/09 18:27:53 | *****
[INFO | jvm 1 | 2024/10/09 18:27:53 |
```

32.

33. Check the agent's status and capabilities after clicking on the Agent.

34.

The screenshot shows the Bamboo administration interface. The left sidebar contains a 'Bamboo administration' section with links to 'Agents', 'Agent matrix', 'Executables', 'JDKs', 'Server capabilities', 'Global variables', 'Linked repositories', 'Shared credentials', 'Repository settings', 'ELASTIC BAMBOO', 'Configuration', 'EPHEMERAL AGENTS', 'Configuration', 'Templates', and 'Pods'. The main content area is titled 'Agents summary' and includes a description of agents, a 'Remote agents' section with a table of agents, and a 'Create' button in the top right.

IP address	Agent unique ID	Status	Operations
☐ 10.1.0.4	ed1a7850-5fe7-4ac1-a2f0-b9581bd19a3	Waiting	Approve access

35. Create and configure a new Bamboo Plan

36. Navigate to the Dashboard and click on **Create > Create Plan**.

37.

The screenshot shows the Bamboo Build dashboard. The top navigation bar includes links to 'My Bamboo', 'Projects', 'Build', 'Deploy', 'Specs', 'Repositories', 'Reports', and a 'Create' button. The 'Create' button is open, showing a dropdown menu with options: 'Create plan', 'Clone plan', 'Create project', 'Create deployment project', and 'Create repository'. The main content area is titled 'Build dashboard' and has tabs for 'Project', 'Plan', 'Build', and 'Tests'.

38. Configure the plan by selecting its Project name, Plan name, and Plan key (Bamboo will auto-generate this key based on the Plan name).

localhost:8085/build/admin/create/newPlan.action?existingProjectKey=

Create plan

Configure plan | Link repositories | Configure job

Select a project and configure a plan

Your build plan defines everything about your build process. Each plan has a Default job when it is created. More advanced configuration options, including those for apps, and the ability to add more jobs will be available to you after creating this plan. [Learn more on creating a plan](#)

Project* codesign

The project the new plan will be created in.

Plan name* demo

Plan key* DEMO

For example WEE (for a plan named Website)

Plan description

Plan access ☐ Allow all users to view this plan, this applies to all new projects.

Create Cancel

39.

40. You will be required to provide a Repository Host. (We're going to sign an already compiled file, so we chose "None").

Create plan

Configure plan | **Link repositories** | Configure job

Link repository to this build plan

Project: codesign

Plan: demo

Plan key: DEMO

Repository host* ☒ None

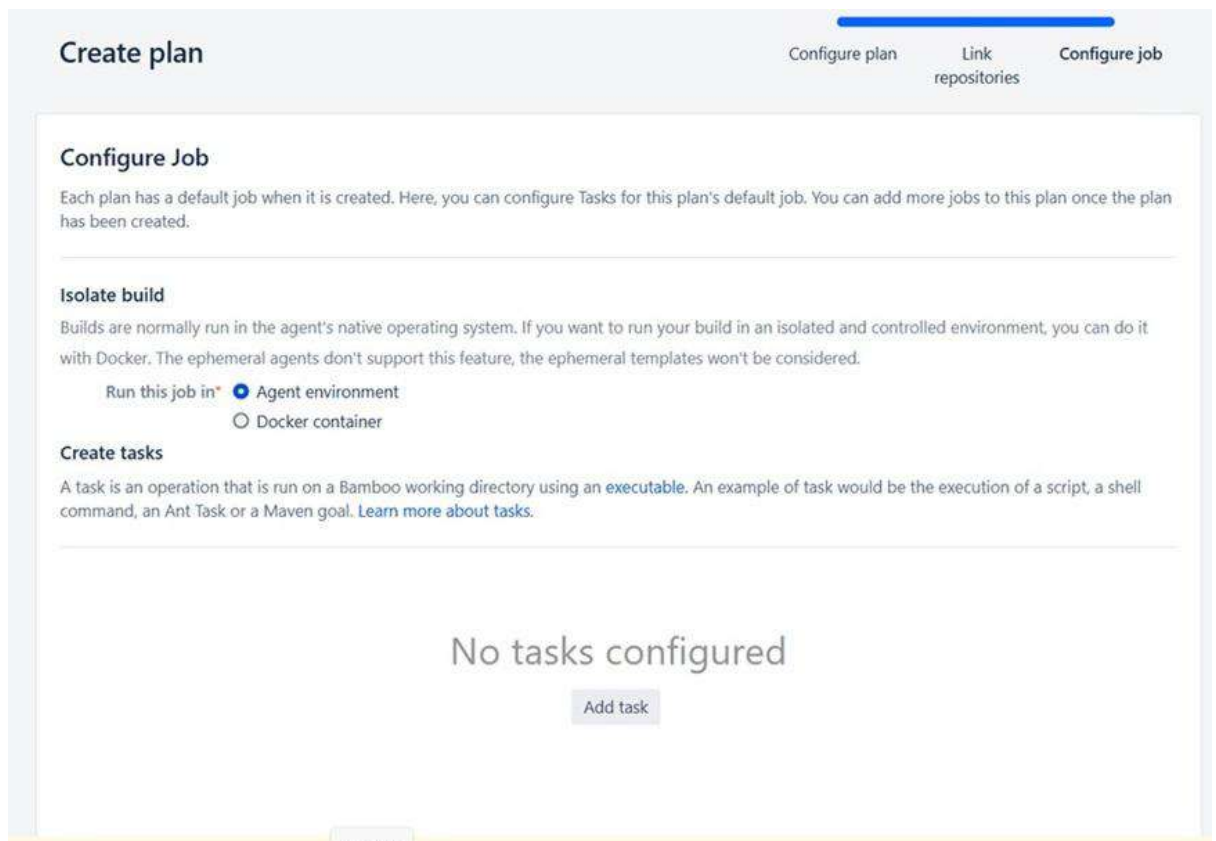
☐ Link new repository

Save and continue Cancel

Continuous integration powered by Atlassian Bamboo version 9.5.7 build 90608 - 07 Oct 24
Generated by Node 833ae098-6b50-4677-858a-c1d11af5db2a. Cluster contains 1 online node.

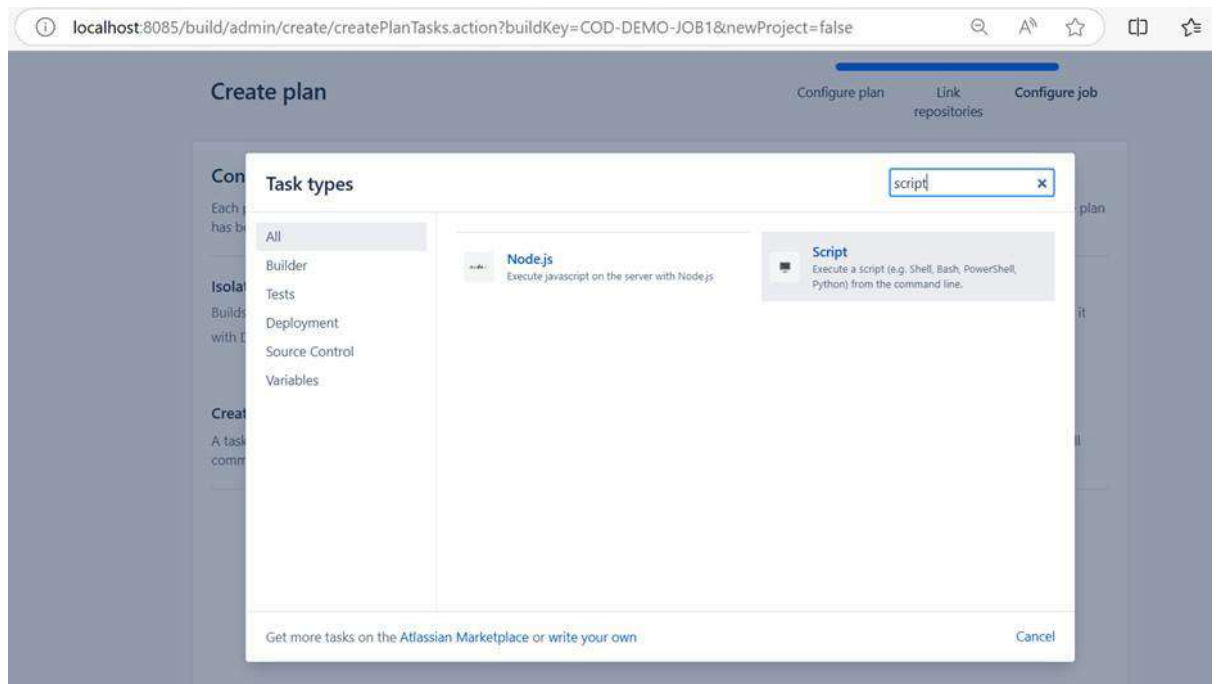
41.

42. Choose the environment you want to run this Job (Agent Environment) and then click on "Add Task."



43.

44. Search and select “Script” for this job.



45.

46. For the script location, select “Inline” and the Interpreter as “Shell” for this job.

47.

The screenshot shows the 'Create tasks' interface in Bamboo. On the left, under 'Create tasks', there is a 'Script' task selected. Below it, a note says 'Final tasks: Are always executed even if a previous task fails.' and a dashed box with the text 'Drag tasks here to make them final'. An 'Add task' button is at the bottom left. On the right, the 'Script configuration' panel is visible. It includes a 'Task description' text area, two checkboxes for 'Disable this task' and 'Add condition to task', a dropdown for 'Interpreter' set to 'Shell', and a dropdown for 'Script location' set to 'Inline'. A link 'How to use the Script task' is at the top right of the configuration panel.

48. In the script body, paste the signtool command you want to run ("**C:\Program Files (x86)\Windows Kits\10\bin\10.0.26100.0\x86\signtool.exe**" **sign /csp "Encryption Consulting Key Storage provider" /kc DemoCertificate /fd SHA256 /f "C:\demo files\Signing Certificates\DemoCertificate.crt" /tr http://timestamp.digicert.com /td SHA256 "C:\demo files\Test Files\TestFile1.exe"**) and click on "Save".

Script body*

```
1 "C:\Program Files (x86)\Windows Kits\10\bin\10.0.26100.0\x86\signtool.e
```

Argument

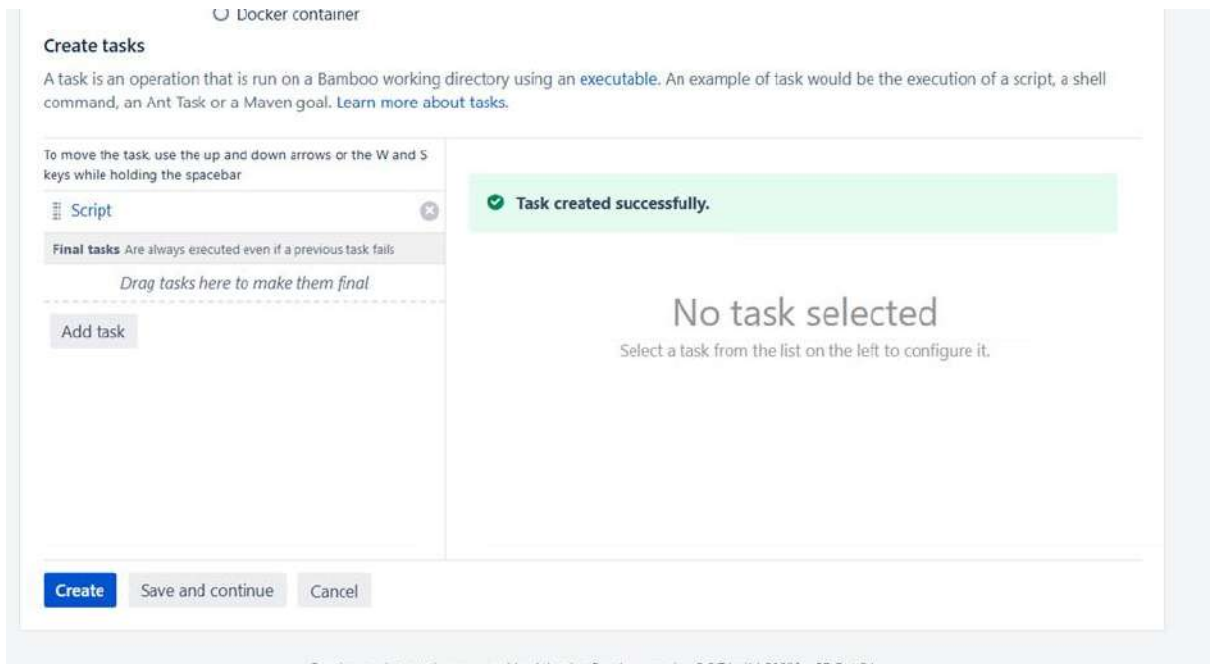
Environment variables

Working subdirectory

Save Cancel

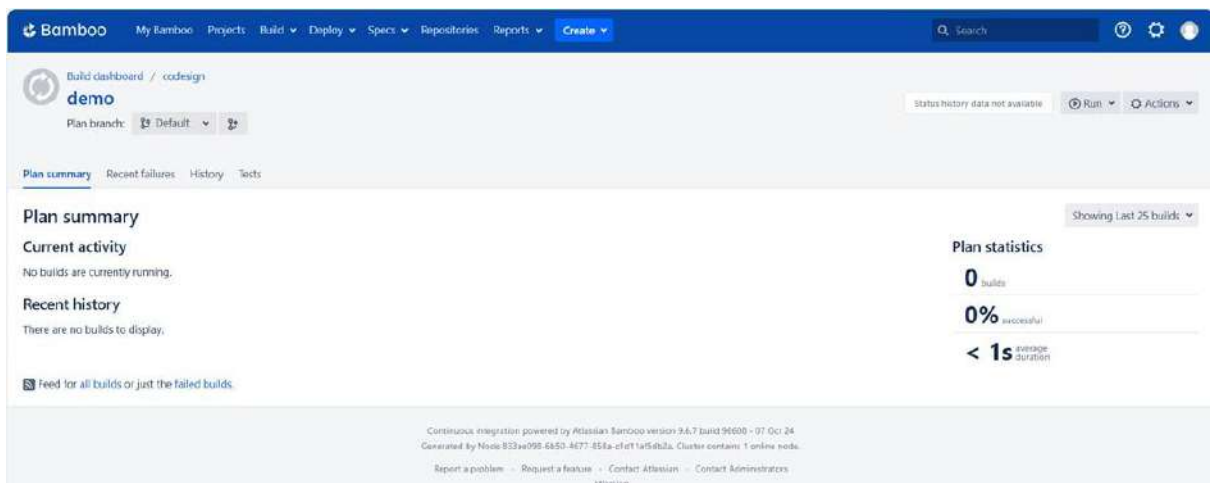
49.

50. After the task has been created successfully, click on "Create".



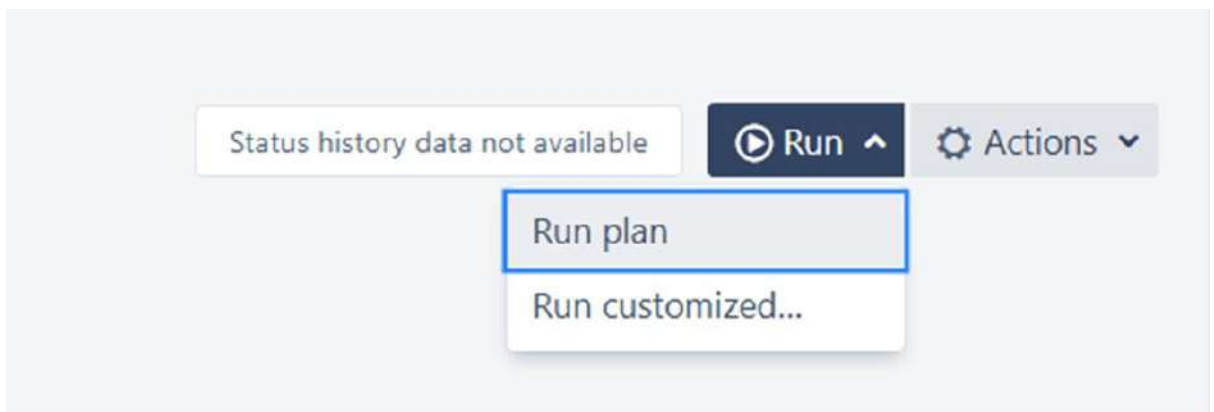
51.

52. You can see the Plan details now.



53.

54. Then click on “Run Plan” in the Run dropdown.



55.

Showing Last 25 builds

56. You can see that your job has been successful.

The screenshot shows the Bamboo web interface. At the top, there's a navigation bar with 'Bamboo', 'My Bamboo', 'Projects', 'Build', 'Deploy', 'Specs', 'Repository', 'Reports', and 'Create'. Below this, the 'Build #1' page is displayed, indicating it was successful and manually run by 'Elby'. The 'Logs' tab is selected, showing a log for the 'Default Job Default Stage'. The log content includes timestamps, build numbers, and various system messages, such as 'Build #1 was successful - Manual run by Elby' and 'Build #1 was successful - Manual run by Elby'.

57.

58. Check the signature details in the executable file's properties.

