

Install & Configure Bamboo on Ubuntu

Steps to Install & Configure Bamboo on Ubuntu 20.04 LTS

Bamboo is a free & open source continuous integration and continuous deployment serve. It is developed by Atlassian. It helps to provide an automated and reliable build and test process for application source-codes. We can easily Install and configure Bamboo.

Prerequisites:

- Ubuntu system with Sudo Privileges.
- Java 8.0
- 4GM RAM.

There are some steps to install & configure Bamboo on Ubuntu:

Step 1: Update the System.

```
apt-get update
```

Step 2: Install Java.

```
apt-get install openjdk-8-jdk
```

- Check Java version.

```
java -version
```

- Here is the command output.

```
root@ip-172-31-47-209:/home/ubuntu# java -version
openjdk version "1.8.0_312"
OpenJDK Runtime Environment (build 1.8.0_312-8u312-b07-0ubuntu1-20.04-b07)
OpenJDK 64-Bit Server VM (build 25.312-b07, mixed mode)
```

Step 3: Install PostgreSQL on system.

```
apt install postgresql postgresql-contrib
```

- Here is the command output.

```
root@ip-172-31-47-209:/home/ubuntu# apt install postgresql postgresql-contrib
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libllvm10 libpq5 postgresql-12 postgresql-client-12 postgresql-client-common postgresql-common ssl-cert sysstat
Suggested packages:
  postgresql-doc postgresql-doc-12 libjson-perl openssl-blacklist isag
The following NEW packages will be installed:
  libllvm10 libpq5 postgresql postgresql-12 postgresql-client-12 postgresql-client-common postgresql-common postgresql-contrib ssl-cert sysstat
0 upgraded, 10 newly installed, 0 to remove and 57 not upgraded.
Need to get 30.6 MB of archives.
After this operation, 122 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
```

- Login to postgresql shell.

```
sudo -u postgres psql
```

- Here is the command output.

```
root@ip-172-31-47-209:/home/ubuntu# sudo -u postgres psql
psql (12.9 (Ubuntu 12.9-0ubuntu0.20.04.1))
Type "help" for help.

postgres=#
```

- Create database.

```
create database bamboo;
```

- Create user.

```
create user user_bamboo with encrypted password 'Password';
```

- Provide the Grant all privileges.

```
grant all privileges on database bamboo to user_bamboo;
```

- Type \q to quit.

```
\q
```

Step 4: Download the Bamboo.

```
cd /opt
```

```
wget https://www.atlassian.com/software/bamboo/downloads/binary/atlassian-bamboo-8.1.2.tar.gz
```

- Here is the command output.

```
root@ip-172-31-47-209:/home/ubuntu# cd /opt
root@ip-172-31-47-209:/opt# wget https://www.atlassian.com/software/bamboo/downloads/binary/atlassian-bamboo-8.1.2.tar.gz
--2022-02-10 08:14:05-- https://www.atlassian.com/software/bamboo/downloads/binary/atlassian-bamboo-8.1.2.tar.gz
Resolving www.atlassian.com (www.atlassian.com)... 104.192.142.13, 104.192.142.12, 104.192.142.14
Connecting to www.atlassian.com (www.atlassian.com)|104.192.142.13|:443... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://product-downloads.atlassian.com/software/bamboo/downloads/atlassian-bamboo-8.1.2.tar.gz [following]
--2022-02-10 08:14:06-- https://product-downloads.atlassian.com/software/bamboo/downloads/atlassian-bamboo-8.1.2.tar.gz
Resolving product-downloads.atlassian.com (product-downloads.atlassian.com)... 54.192.4.164, 2600:9000:20fa:c00:1f:ab86:b4a:17e1, ...
Connecting to product-downloads.atlassian.com (product-downloads.atlassian.com)|54.192.4.164|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 344518184 (329M) [application/x-tar]
Saving to: 'atlassian-bamboo-8.1.2.tar.gz'

atlassian-bamboo-8.1.2.tar.gz      100%[=====] 328.56M  25.5MB/s   in 17s
2022-02-10 08:14:23 (19.8 MB/s) - 'atlassian-bamboo-8.1.2.tar.gz' saved [344518184/344518184]
```

- Extract the downloaded folder.

```
tar -xvf atlassian-bamboo-8.1.2.tar.gz
```

- Here is the command output.

```
root@ip-172-31-47-209:/opt# tar -xvf atlassian-bamboo-8.1.2.tar.gz
atlassian-bamboo-8.1.2/
atlassian-bamboo-8.1.2/BUILDING.txt
atlassian-bamboo-8.1.2/CONTRIBUTING.md
atlassian-bamboo-8.1.2/NOTICE
atlassian-bamboo-8.1.2/README.html
atlassian-bamboo-8.1.2/README.md
atlassian-bamboo-8.1.2/README.txt
atlassian-bamboo-8.1.2/atlassian-bamboo/
atlassian-bamboo-8.1.2/atlassian-bamboo/.compile-less.less-compilation-marker
atlassian-bamboo-8.1.2/atlassian-bamboo/META-INF/
atlassian-bamboo-8.1.2/atlassian-bamboo/META-INF/maven/
atlassian-bamboo-8.1.2/atlassian-bamboo/META-INF/maven/com.atlassian.bamboo/
atlassian-bamboo-8.1.2/atlassian-bamboo/META-INF/maven/com.atlassian.bamboo/atlassian-bamboo-web-app/
atlassian-bamboo-8.1.2/atlassian-bamboo/META-INF/maven/com.atlassian.bamboo/atlassian-bamboo-web-app/pom.properties
atlassian-bamboo-8.1.2/atlassian-bamboo/META-INF/maven/com.atlassian.bamboo/atlassian-bamboo-web-app/pom.xml
atlassian-bamboo-8.1.2/atlassian-bamboo/WEB-INF/
```

- Change the name.

```
mv atlassian-bamboo-8.1.2 bamboo
```

- change the path.

```
cd /opt/bamboo/
```

- List the files.

```
ll
```

- Here is the command output.

```

root@ip-172-31-47-209:/opt# mv atlassian-bamboo-8.1.2 bamboo
root@ip-172-31-47-209:/opt# cd /opt/bamboo/
root@ip-172-31-47-209:/opt/bamboo# ll
total 168
drwxr-xr-x 14 root root 4096 Jan 26 09:11 ./
drwxr-xr-x  3 root root 4096 Feb 10 08:15 ../
-rw-r--r--  1 root root 19848 Jan 26 09:10 BUILDING.txt
-rw-r--r--  1 root root 6375 Jan 26 09:10 CONTRIBUTING.md
-rw-r--r--  1 root root 1777 Jan 26 09:10 NOTICE
-rw-r--r--  1 root root 3754 Jan 26 09:10 README.html
-rw-r--r--  1 root root 3453 Jan 26 09:10 README.md
-rw-r--r--  1 root root 2026 Jan 26 09:10 README.txt
drwxr-xr-x 42 root root 4096 Jan 26 09:11 atlassian-bamboo/
-rwxr-xr-x  1 root root 1375 Jan 26 09:10 bamboo.sh*
drwxr-xr-x  2 root root 4096 Jan 26 09:11 bin/
drwxr-xr-x  2 root root 4096 Jan 26 09:11 conf/
drwxr-xr-x  2 root root 4096 Jan 26 09:11 lib/
drwxr-xr-x  2 root root 69632 Jan 26 09:11 licenses/
drwxr-xr-x  2 root root 4096 Jan 26 09:11 logs/
drwxr-xr-x  6 root root 4096 Jan 26 09:11 scripts/
drwxr-xr-x  2 root root 4096 Jan 26 09:11 temp/
drwxr-xr-x  2 root root 4096 Jan 26 09:11 tomcat-docs/
drwxr-xr-x  5 root root 4096 Jan 26 09:11 tools/
drwxr-xr-x  2 root root 4096 Jan 26 09:11 webapps/
drwxr-xr-x  2 root root 4096 Jan 26 09:11 work/

```

Step 5: Configure Bamboo.

- Create a directory.

```
mkdir -p /home/ubuntu//bamboo/bamboo-home
```

- Open the following file.

```
vim /opt/bamboo/atlassian-bamboo/WEB-INF/classes/bamboo-init.properties
```

- Un-comment the line.

```
#bamboo.home=C:/bamboo/bamboo-home
```

- Edit the un-commented line.

```
bamboo.home=/home/ubuntu/bamboo/bamboo-home
```

- Here is the command output.

```

## You can specify your bamboo.home and bamboo.shared.home property here or in your system environment variables.
#Local Bamboo home. If running in HA (multi-node) mode, you need to provide a unique, not shared, home directory for node specific content
bamboo.home=/home/ubuntu/bamboo/bamboo-home
#If running in HA mode, you need to provide a shared home directory that will be used by all nodes
#It is allowed to mount this shared directory as a subdirectory of bamboo.home
#Can be left undefined when running in single node mode, in which case the data will be stored in ${bamboo.home}/shared
#bamboo.shared.home=

```

Step 6: Start the bamboo service.

- Change the directory.

```
cd /opt/bamboo/bin
```

- Run the following command.

```
./start-bamboo.sh
```

- Here is the command output.

```

root@ip-172-31-47-209:/opt/bamboo# cd bin/
root@ip-172-31-47-209:/opt/bamboo/bin# ./start-bamboo.sh

To run Bamboo in the foreground, start the server with start-bamboo.sh -fg

Server startup logs are located in /opt/bamboo/bin/logs/catalina.out

Bamboo Data Center
Version : 8.1.2

If you encounter issues starting or stopping Bamboo Server, please see the Troubleshooting guide at https://confluence.atlassian.com/display/BAMBOO/Installing+and+upgrading+Bamboo

Using CATALINA_BASE: /opt/bamboo
Using CATALINA_HOME: /opt/bamboo
Using CATALINA_TMPDIR: /opt/bamboo/temp
Using JRE_HOME: /usr
Using CLASSPATH: /opt/bamboo/bin/bootstrap.jar:/opt/bamboo/bin/tomcat-juli.jar
Using CATALINA_OPTS:
Tomcat started.

```

- Open the following port number in firewall.

```
ufw allow 8085
```

- Here is the command output.

```

root@ip-172-31-47-209:/opt/bamboo/bin# ufw allow 8085
Rules updated
Rules updated (v6)

```

Step 7: Open Bamboo web interface.

```
http://server-ip:8085
```

- Here is the output.
- We need a License key.
- Click on Generate a Bamboo Data Center license option.

The screenshot shows the Bamboo Data Center web interface. The top navigation bar is blue with the 'Bamboo' logo and a user icon. Below the navigation bar, there are five tabs: 'Enter license' (active), 'Configure instance', 'Configure database', 'Import data', and 'Create admin'. The main content area is titled 'Welcome to Bamboo Data Center'. It contains a message: '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.' Below this, there is a section 'Enter your license key' with a 'Server id' field containing 'BWRS-EO08-556U-B956' and a 'License key' field with a red asterisk. A red box highlights the 'Generate a Bamboo Data Center license' link at MyAtlassian. At the bottom, there is a blue 'Continue' button.

- Provide a Organization name.
- Click on Generate License.

My Atlassian

New Trial License

Product Bamboo

License type Bamboo (Data Center)

Organization

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](#)

- Copy the License key.

Licenses

[Explore Cloud Pricing](#) [New Trial License](#)

Filter by SEN, product, or name				
<input type="checkbox"/> Licenses <input checked="" type="checkbox"/> Trials 1 <input type="checkbox"/> Archived				
SEN	Product	Name	Support Expires	Support
<div> <div>SEN-L18054512</div> <div> <div>SEN</div> <div>SEN-L18054512</div> </div> </div>	Bamboo (Data Center): Trial		11 Mar 2022	Request Support
		<div> <div>License Key</div> <div> AAABuw0ODAoPeNqNklFv2jAQgN/9KyztZV MFOAFGhRRpqQkrWwKMICZNvDjmSrwmd mQ70PTXLYrk7 aZV2pt9Pt199/nebdMSzyHBDsHEnQ7dqUsw jbfYJa6LHqHagTZCSr/5SMIE3A6HDkpYnijV DwUHa </div> </div>		
		<div> <div>Actions</div> <div> Buy Download Bamboo (Data Center) Archive </div> </div>		

- Paste in license key column.
- Click on Continue.

Bamboo

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 licence key.

Enter your license key

Server id

BWRS-EO08-556U-B956

License key *

SA4CHT3C7bbYLPeL0IAUSUt43b3cvC85oXtGyGP6aeUFYUAY3MhD6bPVd6VWpZ5Anr1cNdcQ8VZ5h9BwU1frEbMctoHQPTlMv0CMpeap8xAHQfvQtsJbs8hqM6KoSuXj0e47bkQURE9n/odXZ4gRty3/Sb1BXfQ64dIEEZS38PT0pF9Eznd+fkp/j5kqyCw0ed5/vvg+ey/nEpz+KyE+/qeonJueq/HLz/HU88TL/Knk/t10Enffe3klxnRluRdFYfptjnth52tfVw7YqoPKIuoqLYEMKfojq6WuPkn+hqZrldgyffH9w0IdndJfZAsXszhy9KLnLoxH4zq/vnL/Rlb6yKQwrIGmms0P2AJPpcrUsfaMCy10dV0ciVxY0CCqocn9+zeVlrstdNE0Xn50g+P3L9XA7H582E9xcGJZZVRDL8fW3C9Eh//RMCwCFFp2J5XnzW3eHMXlIAwc13Ln6LheAhQd05Tj6s6gcVrwrUHD8KaoKJNPcA==X82L9j

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

Continue

- Configure the instance.
- Provide the Bamboo instance name & check Base URL.

Bamboo

Enter license

Configure instance

Configure database

Import data

Create admin

Configure instance

Configure your Bamboo Data Center instance.

Bamboo instance details

The following details are required to identify your Bamboo instance:

Name

Atlassian Bamboo

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

Base URL *

http://54.207.226.211:8085

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.

- Check Shared system directories.

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

/home/ubuntu/bamboo/bamboo-home/shared

Configuration directory *

/home/ubuntu/bamboo/bamboo-home/shared/configuration

This is where your settings for Bamboo are stored.

Build data directory *

/home/ubuntu/bamboo/bamboo-home/shared/builds

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

Artifacts directory *

/home/ubuntu/bamboo/bamboo-home/shared/artifacts

This is where Bamboo stores build artifacts.

Repository logs directory *

/home/ubuntu/bamboo/bamboo-home/shared/repository-specs

This is where logs for Bamboo Specs executions are stored.

- Click on Continue.

Local build directory

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

Local home path **/home/ubuntu/bamboo/bamboo-home**

Build working directory* **/home/ubuntu/bamboo/bamboo-home/local-working-dir**

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* **failover:(tcp://ip-172-31-47-209.sa-east-1.compute.internal:54663?wireFormat**

Continue

- Select Database Type.For example: select PostgreSQL database type.
- Click on Continue.

Bamboo

Enter license

Configure instance

Configure database

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Create admin

Configure database

Database type

Select the type of database for your Bamboo instance. [Learn more about supported databases.](#)

PostgreSQL

Continue

- Configure the database.
- Provide the Db Username & Password.
- Click on Continue.

Bamboo

Enter license

Configure instance

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Configure how Bamboo will connect to your database

Connection type ☒ Connect using JDBC
☐ Connect using a datasource (configured externally in an application server)

Driver class name **org.postgresql.Driver**
The class name of the database driver. This class must be in your classpath.

Database URL **jdbc:postgresql://localhost:5432/bamboo**
The URL to access the database.

User name
The username to access the database.

Password
Enter the password if the database configuration requires it.

Continue Back

- As first time installation,Click on Create a New Bamboo home.
- Click on Continue.

Bamboo

Enter license Configure instance Configure database **Import data** Create admin

Import data

Bamboo data: ☐ Import existing data
☒ Create a new Bamboo home

Continue

- Provide the Admin credentials such as username,password,full name & email-address.
- Click on Finish.

Bamboo

Enter license Configure instance Configure database Import data **Create admin**

Create admin

Enter the details of the administrator user for this installation of Bamboo.

Username*

Password*

Confirm password*

Full name*

Email*

Finish

- Click on Install Remote Agent.

Bamboo My Bamboo Projects Build Deploy Specs **Create**

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Build dashboard

Time for an agent!

The installation and the setup of Bamboo is complete. It's time to install your first agent.

Agents run plans, test, and assemble your software.

Install remote agent

Continuous integration powered by Atlassian Bamboo version 8.1.2 build 80109 - 26 Jan 22

[Report a problem](#) · [Request a feature](#) · [Contact Atlassian](#) · [Contact Administrators](#)

- Now,we need a Agent Machine.
- Install Java 8.0 on Agent Machine.
- Download the Remote Agent JAR file on Agent machine.
- Right click on Download Remote Agent JAR option—>Copy the link Address.Run on Agent machine

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Installing a remote agent

To install a remote agent, please follow these instructions:

1. Make sure that you have Java Runtime Environment 8.0 installed on the agent machine.

2. Download the remote agent JAR file to a directory on the agent machine.

DOWNLOAD

Remote Agent JAR

Running a remote agent

Once installed, you can run the remote agent by executing the following command line from the directory containing the remote agent jar file:

java -jar atlassian-bamboo-agent-installer-8.1.2.jar http://54.207.226.211:8085/agentServer/

This will start a service wrapper for your agent, which will automatically restart in case of failure. You may also add extra system properties like `-Dbamboo.home=...` to customize the agent's home location. For more information, see our [Bamboo remote agent installation guide](#).

Running the agents without the service wrapper

For customers wanting to run the Bamboo agent without the service wrapper, the direct agent jar is available at [bamboo-agent-8.1.2.jar](#). For more information about using the JAR directly please consult our [documentation](#).

- Here is the output.

```
root@ip-172-31-17-88:/home/ubuntu# wget http://54.207.226.211:8085/agentServer/agentInstaller/atlassian-bamboo-agent-installer-8.1.2.jar
--2022-02-10 09:14:05-- http://54.207.226.211:8085/agentServer/agentInstaller/atlassian-bamboo-agent-installer-8.1.2.jar
Connecting to 54.207.226.211:8085... connected.
HTTP request sent, awaiting response... 200
Length: 156621051 (149M) [application/octet-stream]
Saving to: 'atlassian-bamboo-agent-installer-8.1.2.jar'

atlassian-bamboo-agent-installer-8.1.2.jar 100%[=====] 149.37M 98.6MB/s in 1.5s

2022-02-10 09:14:07 (98.6 MB/s) - 'atlassian-bamboo-agent-installer-8.1.2.jar' saved [156621051/156621051]
```

- Once remote agent JAR installed,Run the Remote Agent command.
- Here is the output.

```
root@ip-172-31-17-88:/home/ubuntu# java -jar atlassian-bamboo-agent-installer-8.1.2.jar http://54.207.226.211:8085/agentServer/
Reinstalling wrapper binaries, reason: agent either not installed or outdated
Installing agent wrapper
Installing file: /generic/conf/wrapper-license.conf to: /root/bamboo-agent-home/conf/wrapper-license.conf
Installing file: /generic/lib/wrapper.jar to: /root/bamboo-agent-home/lib/wrapper.jar
Installing file: /arch/linux/x86_64/wrapper to: /root/bamboo-agent-home/bin/wrapper
Installing file: /arch/linux/x86_64/libwrapper.so to: /root/bamboo-agent-home/lib/libwrapper.so
Installing file: /generic/bin/bamboo-agent.sh to: /root/bamboo-agent-home/bin/bamboo-agent.sh
Installing file: /root/bamboo-agent-home/conf/wrapper.conf
Installing file: /generic/lib/bamboo-agent-bootstrap.jar-with-dependencies.jar to: /root/bamboo-agent-home/lib/bamboo-agent-bootstrap.jar
Unzipping /classpath.zip to /root/bamboo-agent-home/classpath
Extracting 'MANIFEST.DAT'
Extracting 'atlassian-user-core-5.4.14.jar'
Extracting 'atlassian-cache-api-4.0.3.jar'
Extracting 'crowd-api-4.4.0.jar'
Extracting 'ziplet-2.4.1.jar'
Extracting 'jdome-1.1.3.jar'
Extracting 'sourcemap-1.7.7.jar'
Extracting 'reflections-0.9.11.jar'
Extracting 'geronimo-jms-1.1_spec-1.1.1.jar'
Extracting 'panopticon-api-1.1.3.jar'
Extracting 'bcutil-jdk15on-1.69.jar'
Extracting 'activemq-broker-5.16.3.jar'
Extracting 'embedded-crowd-spi-4.4.0.jar'
Extracting 'spring-security-crypto-5.5.3.jar'
Extracting 'aplinks-spi-7.2.9.jar'
```

- After sometime,we need a approval for Remote Agent.

```
INFO | jvm 1 | 2022/02/10 09:19:13 | 2022-02-10 09:19:13,017 INFO [WrapperSimpleAppMain] [AgentContext] Authenticating against Bamboo server at http://54.207.226.211:8085/agentServer/
INFO | jvm 1 | 2022/02/10 09:19:13 | 2022-02-10 09:19:13,032 WARN [WrapperSimpleAppMain] [AgentContext]
INFO | jvm 1 | 2022/02/10 09:19:13 | *****
INFO | jvm 1 | 2022/02/10 09:19:13 | *
INFO | jvm 1 | 2022/02/10 09:19:13 | * This agent requires manual approval.
INFO | jvm 1 | 2022/02/10 09:19:13 | * UUID: 7113907f-1c6a-428f-a9dc-6d68942c5c89
INFO | jvm 1 | 2022/02/10 09:19:13 | * Message from the server is:
INFO | jvm 1 | 2022/02/10 09:19:13 | * Approve this agent at 'http://54.207.226.211:8085/admin/agent/viewAgents.action?focusUuid=7113907f-1c6a-428f-a9dc-6d68942c5c89&selectedTab=Agent+authentication'. Check that the IP is correct.
INFO | jvm 1 | 2022/02/10 09:19:13 | * Next authentication attempt in 60 seconds...
INFO | jvm 1 | 2022/02/10 09:19:13 | *
INFO | jvm 1 | 2022/02/10 09:19:13 | *****
INFO | jvm 1 | 2022/02/10 09:20:13 | 2022-02-10 09:20:13,033 INFO [WrapperSimpleAppMain] [AgentContext] Authenticating against Bamboo server at http://54.207.226.211:8085/agentServer/
INFO | jvm 1 | 2022/02/10 09:20:13 | 2022-02-10 09:20:13,044 WARN [WrapperSimpleAppMain] [AgentContext]
INFO | jvm 1 | 2022/02/10 09:20:13 | *****
INFO | jvm 1 | 2022/02/10 09:20:13 | *
INFO | jvm 1 | 2022/02/10 09:20:13 | * This agent requires manual approval.
INFO | jvm 1 | 2022/02/10 09:20:13 | * UUID: 7113907f-1c6a-428f-a9dc-6d68942c5c89
INFO | jvm 1 | 2022/02/10 09:20:13 | * Message from the server is:
INFO | jvm 1 | 2022/02/10 09:20:13 | * Approve this agent at 'http://54.207.226.211:8085/admin/agent/viewAgents.action?focusUuid=7113907f-1c6a-428f-a9dc-6d68942c5c89&selectedTab=Agent+authentication'. Check that the IP is correct.
INFO | jvm 1 | 2022/02/10 09:20:13 | * Next authentication attempt in 60 seconds...
INFO | jvm 1 | 2022/02/10 09:20:13 | *
INFO | jvm 1 | 2022/02/10 09:20:13 | *****
INFO | jvm 1 | 2022/02/10 09:20:13 | *****
```

- Go to Bamboo web interface.
- Click on Agents.

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2. Download the remote agent JAR file to a directory on the agent machine.

DOWNLOAD

Remote Agent JAR

Running a remote agent

Once installed, you can run the remote agent by executing the following command line from the directory containing the remote agent jar file:

java -jar atlassian-bamboo-agent-installer-8.1.2.jar http://54.207.226.211:8085/agentServer/

This will start a service wrapper for your agent, which will automatically restart in case of failure. You may also add extra system properties like `-Dbamboo.home=...` to customize the agent's home location. For more information, see our [Bamboo remote agent installation guide](#).

Running the agents without the service wrapper

For customers wanting to run the Bamboo agent without the service wrapper, the direct agent jar is available at [bamboo-agent-8.1.2.jar](#). For more information about using the JAR directly please consult our [documentation](#).

- Click on Approve Access.

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Install remote agent

An agent is a service that executes Bamboo builds and deployments. You can use this page to view, add and delete agents. You can also use this [matrix](#) to determine which agents can execute which build plans.

Local agents

Local agents run on the Bamboo server. There are currently no local agents configured on this Bamboo instance.

Remote agents

Remote agents run on computers other than the Bamboo server.

Online remote agents

Offline remote agents

Agent authentication

Below is a list of IP addresses and corresponding unique ids. You may approve agents pending approval or revoke approval from previously approved agents.

Select: All, None, Waiting, Approved

Action: Approve access

Revoke access

IP address	Agent unique ID	Status	Operations
<input type="checkbox"/> 18.228.38.12	7113907f-1c6a-428f-a9dc-6d68942c5c89	Waiting	Approve access

- Access Approved.
- Once Remote Agent installed,click on Bamboo.

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- Click on Create Your First Build Plan.

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Build dashboard

Let's get building!

Now that the installation and the setup of Bamboo is complete, it's time to create your first build plan.

Build plans hold all the instructions to build, test and assemble your software. Whenever you make a change to your code, Bamboo triggers your build plan and notifies you of the result.

[Create your first build plan](#)

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- Provide a Project & Plan name.
- Select Plan access. If we want to allow all users to view this plan then enable the plan access.
- Click on Create.

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Create plan

Configure plan Link repositories Configure job

Select a project and configure a plan

i 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 name*

Project key*

For example AT (for a project named Atlassian)

Project description

Plan name*

Plan key*

For example WEB (for a plan named Website)

Plan description

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

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

- Provide a Repository host.
- Select Link New repository so provide Bitbucket or GitHub link or select none.
- Click on Save & Continue.

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Create plan

Configure plan

Link repositories

Configure job

Link repository to this build plan

Project:Project1

Plan:Test

Plan key:TEST

Repository host*☒None

☐Link new repository

Save and continue

Cancel

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- Configure the Job as per needs or requirements.
- Click on Create.

Create plan

Configure plan

Link repositories

Configure job

Configure Job

Each plan has a default job when it is created. Here, you can configure Tasks for this plan's default job. You can add more jobs to this plan once the plan has been created.

Isolate build

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

Run this job in*☒Agent environment

☐Docker container

Create tasks

A task is an operation that is run on a Bamboo working directory using an **executable**. An example of task would be the execution of a script, a shell command, an Ant Task or a Maven goal. [Learn more about tasks.](#)

No tasks configured

Add task

Create

Save and continue

Cancel

- Now First build plan is successfully created.

Bamboo

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Search

Build dashboard / Project1

Test

Plan branch: Default

Status history data not available

Run

Actions

Plan summaryRecent failuresHistoryTests

Plan summary

Current activity

No builds are currently running.

Recent history

There are no builds to display.

Feed for all builds or just the failed builds.

Showing Last 25 builds

Plan statistics

0 builds

0% successful

< 1s average duration

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