

```
[root@ip-172-31-90-234 ~]# dob jenkins --help
Usage: dob jenkins [OPTIONS] COMMAND [ARGS]...
```


Commands to manage Jenkins server.

Options:

--help Show this message and exit.

Commands:


add-job-to-folder	Add an existing Jenkins job to a folder.
backup-system	Backup the entire Jenkins system...
check-health	Check Jenkins and plugin health status.
check-plugin-status	Check the health and status of installed...
clear-queue	Clear all items in the Jenkins build queue.
configure	Configure Jenkins and save credentials...
create-credential	Create a Jenkins credential.
create-folder	Create a new folder in Jenkins to organize...
create-job	Create a Jenkins job with a specified...
create-multibranch-pipeline	Create a new multi-branch pipeline job in...
create-node	Create a Jenkins worker node and prepare...
create-user	Create a new Jenkins user using stored...
create-webhook	Create or update a Jenkins webhook for a...
deactivate-token	Deactivate a Jenkins API token for a user.
delete-credential	Delete a specific Jenkins credential.
delete-node	Delete a Jenkins worker node.
delete-user	Delete a Jenkins user.
delete-webhook	Delete a Jenkins webhook from a job trigger.
disable-security	Disable Jenkins security settings.
get-logs	Retrieve logs from Jenkins master or a...
get-system-info	Retrieve Jenkins system information.
list-installed-plugins	Get a list of all installed plugins.
list-webhooks	List all Jenkins webhooks configured for a...
replay-pipeline	Replay a previous pipeline build.
restart	Restart the Jenkins server.
restore-system	Restore Jenkins system configuration and...
set-env-variables	Set global environment variables in Jenkins.
set-quiet-mode	Set Jenkins to quiet mode, preventing new...
token	Retrieve Jenkins API token using existing...
trigger-job	Trigger a Jenkins job.
uninstall-plugin	Uninstall or remove a specific Jenkins...
update-credential	Update an existing Jenkins credential.
update-pipeline	Update a Jenkins pipeline script for an...


 **Jenkins**


Search (#+K) ? 1 devops log out

Dashboard >

+ New Item

 Build History

 Manage Jenkins

 My Views

Build Queue ▾

No builds in the queue.

Build Executor Status 0/2 ▾

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

Create a job +

Set up a distributed build

Set up an agent

Configure a cloud

Learn more about distributed builds

REST API Jenkins 2.479.3

```
[root@ip-172-31-90-234 ~]# dob jenkins configure --help
Usage: dob jenkins configure [OPTIONS]

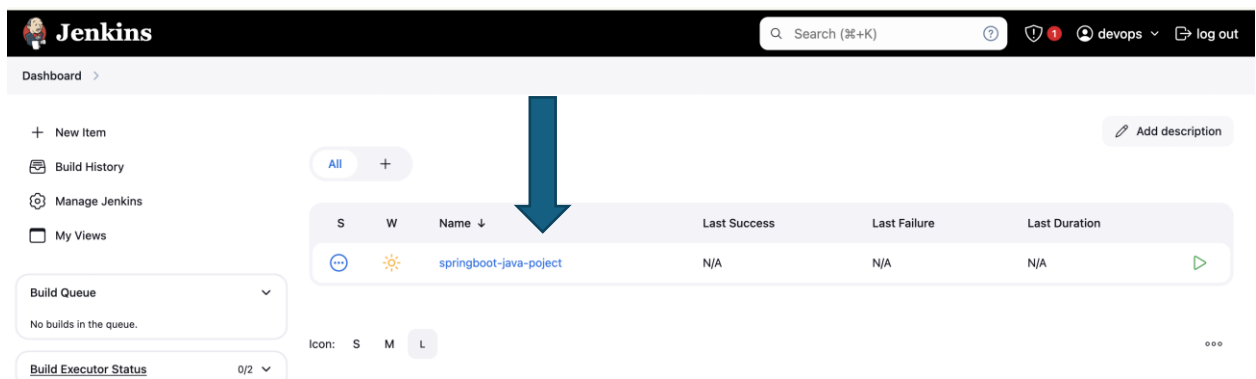
Configure Jenkins and save credentials locally.

Options:
  --ip TEXT          Jenkins server IP. [required]
  -u, --user TEXT     Jenkins user in format username:password. [required]
  --token-name TEXT   Name for the new API token. [required]
  --job-name TEXT     Jenkins Job Name. [required]
  --help             Show this message and exit.
[root@ip-172-31-90-234 ~]# dob jenkins configure --ip 54.226.82.234 -u devops-bot:sabine --token-name devops-token --job-name my-job
Retrieving crumb...
Crumb retrieved successfully: 64b3f62f827566d87e21b81bfde5c120e256a6406db1fcb4511b0ef795caf422
Requesting new API token...
New token generated successfully: 118b9d328eaf7e7b0fe3429b78318353a7
Ensuring base directory exists: /etc/devops-bot
Jenkins encryption key generated and saved.
Generated new Jenkins key at: /etc/devops-bot/jenkins_key.key
Loaded Jenkins key: b'fZq1RgYKc-Xn4_R9thghVDFjN7xwvun2dRf7JRb4pfo='
Encrypted Jenkins credentials: b'gAAAAABnmgiGf5w864IhbQH78soClxP0_bPYIq11NqM6Z9n07hMrhtvgYanedo2adUr77fW9tdUo6YeYeF59LMqIO4edc9T9ph0Hvkv
fn_k90EYF4mNb11T3JZ3UyVafWwLVuoXZTjBNB42qtKH-duErUTSAUOdLou0VLk6WATIP1QHM2mpqN8cHHnA_5V4cYHSH5skN8HCD0f-Otmd1A8TWE3xd4bFdyM9KxYSELlvksP
DtQJbAeYW_TY6QM2koV6yGW1Wl0GW'
Saving credentials to /etc/devops-bot/jenkins_credentials.enc...
Jenkins credentials saved successfully in /etc/devops-bot/jenkins_credentials.enc.
[root@ip-172-31-90-234 ~]#
```

```
[root@ip-172-31-90-234 ~]# dob jenkins create-job --help
Usage: dob jenkins create-job [OPTIONS] JOB_NAME JENKINSFILE_PATH

Create a Jenkins job with a specified Jenkinsfile.

Options:
  --help Show this message and exit.
[root@ip-172-31-90-234 ~]# dob jenkins create-job springboot-java-poject jenkinsfile
Job 'springboot-java-poject' created successfully.
[root@ip-172-31-90-234 ~]#
```






The screenshot shows the Jenkins web interface. At the top is a navigation bar with the Jenkins logo, a search bar, and user information. Below is a sidebar with links to 'New Item', 'Build History', 'Manage Jenkins', and 'My Views'. The main content area displays a table of jobs. A blue arrow points from the terminal command 'dob jenkins create-job springboot-java-poject jenkinsfile' to the 'springboot-java-poject' entry in the table. The table has columns for status (S), icon (W), name, last success, last failure, and last duration. The 'springboot-java-poject' job is listed with a status of 'S', a sun icon, and 'N/A' for the last success, failure, and duration. Below the table, there are buttons for 'Build Queue' and 'Build Executor Status'.

S	W	Name ↓	Last Success	Last Failure	Last Duration
S	☀	springboot-java-poject	N/A	N/A	N/A

```
[root@ip-172-31-90-234 ~]# dob jenkins trigger-job springboot-java-poject
Job 'springboot-java-poject' triggered successfully.
[root@ip-172-31-90-234 ~]#
```

Dashboard >

- + New Item
-  Build History
-  Manage Jenkins
-  My Views


Build Queue 
No builds in the queue.

Build Executor Status  1/2




 **springboot-java-project** #1  (Git checkout) 

 **springboot-java-project** #1 



 Add description

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration	
		springboot-java-poject	N/A	N/A	N/A	

Icon: S M L

...

Download Copy View as plain text

```

Downloading from central: https://repo.maven.apache.org/maven2/org/junit/jupiter/junit-jupiter/5.5.2/junit-jupiter-5.5.2.jar
Progress (4): 116/223 kB | 97/158 kB | 112/210 kB | 82/115 kB
Progress (4): 116/223 kB | 112/158 kB | 112/210 kB | 82/115 kB
Progress (4): 116/223 kB | 112/158 kB | 128/210 kB | 82/115 kB
Progress (4): 116/223 kB | 112/158 kB | 145/210 kB | 82/115 kB
Progress (4): 128/223 kB | 112/158 kB | 145/210 kB | 82/115 kB
Progress (4): 128/223 kB | 112/158 kB | 145/210 kB | 98/115 kB
Progress (4): 128/223 kB | 129/158 kB | 145/210 kB | 98/115 kB
Progress (4): 128/223 kB | 145/158 kB | 145/210 kB | 98/115 kB
Progress (4): 128/223 kB | 145/158 kB | 161/210 kB | 98/115 kB
Progress (4): 145/223 kB | 145/158 kB | 161/210 kB | 98/115 kB
Progress (4): 145/223 kB | 145/158 kB | 161/210 kB | 115/115 kB
Progress (4): 145/223 kB | 145/158 kB | 161/210 kB | 115 kB
Progress (5): 145/223 kB | 145/158 kB | 161/210 kB | 115 kB | 6.2 kB

Downloaded from central: https://repo.maven.apache.org/maven2/org/junit/jupiter/junit-jupiter/5.5.2/junit-jupiter-5.5.2.jar (6.2 kB at 14
kB/s)
Progress (4): 145/223 kB | 158 kB | 161/210 kB | 115 kB

Downloaded from central: https://repo.maven.apache.org/maven2/org/springframework/boot/spring-boot-test-autoconfigure/2.2.4.RELEASE/spring-boot-test-autoconfigure-2.2.4.RELEASE.jar (158 kB at 363 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/junit/jupiter/junit-jupiter-api/5.5.2/junit-jupiter-api-5.5.2.jar
Progress (3): 145/223 kB | 178/210 kB | 115 kB
Progress (3): 161/223 kB | 178/210 kB | 115 kB
Progress (3): 178/223 kB | 178/210 kB | 115 kB

Downloading from central: https://repo.maven.apache.org/maven2/org/opentest4j/opentest4j/1.2.0/opentest4j-1.2.0.jar






```


Create a Jenkins worker node and prepare the worker server.

```
--node_name TEXT      The name of the Jenkins worker node [required]
--remote_fs TEXT      The remote file system directory for the agent
                      [required]
--labels TEXT         Labels to associate with the worker node
--num_executors INTEGER Number of executors for the worker node
--host TEXT           Host where the worker node will connect from
                      [required]
--ssh_port INTEGER     SSH port for the worker node
--credentials_id TEXT  Jenkins SSH credentials ID for the worker node
                      [required]
--identifier TEXT      Identifier for the worker to generate SSH keys
                      [required]
--username_ssh TEXT    Username to use on the worker [required]
--help                Show this message and exit.
```

```
[root@ip-172-31-90-234 ~]# doo jenkins create-node --node_name docker-agent --remote_fs /root/ --labels docker-agent --num_executors 2 -i
--host 172.31.28.85 --credentials_id docker-agent --identifier docker --username_ssh root
Generating SSH key on the worker node 'docker'...
Running SSH key generation on worker docker and setting up authorized keys...
Private SSH key (PEM format) retrieved. Saving to host.
Private SSH key retrieved. Saving to host...
Installing Java on the worker 'docker' if not installed...
Creating Jenkins SSH credential for the worker node 'docker-agent'...
Credential 'docker-agent' created successfully.
Adding worker node 'docker-agent' to Jenkins...
Worker node 'docker-agent' created and configured successfully.
[root@ip-172-31-90-234 ~]#
```

Dashboard >

- + New Item
-  Build History
-  Project Relationship
-  Check File Fingerprint
-  Manage Jenkins
-  My Views

 Add description

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration
		springboot-java-poject	44 min #1	N/A	37 sec 

Icon: S M L

...

Build Queue ▾

No builds in the queue.

Build Executor Status ▾

 Built-in Node

0/2

 docker-agent

0/2

