

Containers

Images

Volumes

Builds

Docker Hub

Docker Scout

Extensions

Containers

[Give feedback](#)

View all your running containers and applications. [Learn more](#)

Container CPU usage

0.16% / 1600% (16 CPUs available)

Container memory usage

140.5MB / 7.43GB

Search

Only show running containers

| | Name | Container ID | Image | Port(s) | CPU (%) | Last started | Actions |
|--------------------------|---|--------------|------------------------------------|---------|---------|--------------|--|
| <input type="checkbox"/> | <input type="radio"/> admiring_dijkstra | ee28deb699b7 | 53a18edff809 | | 0% | 7 hours ago | <div><div></div><div></div><div></div></div> |
| <input type="checkbox"/> | <input type="radio"/> hungry_lampport | 062f62a496cf | library/img1docker | | 0% | 1 day ago | <div><div></div><div></div><div></div></div> |
| <input type="checkbox"/> | <input type="radio"/> nervous_buck | 2e173571e47f | library/img1docker | | 0% | 1 day ago | <div><div></div><div></div><div></div></div> |
| <input type="checkbox"/> | <input type="radio"/> zealous_brown | dc58ec45025b | library/img1docker | | 0% | 1 day ago | <div><div></div><div></div><div></div></div> |
| <input type="checkbox"/> | <input type="radio"/> ecstatic_turing | 0aa535ab0102 | ubuntu | | 0% | 14 days ago | <div><div></div><div></div><div></div></div> |

Showing 6 items

Terminal

<none>

<none>

04120b09ff48

2 hours ago

520MB

img1docker

latest

889707b33221

26 hours ago

520MB

nginx

latest

53a18edff809

5 weeks ago

192MB

ubuntu

latest

a04dc4851cbc

7 weeks ago

78.1MB

PS C:\Users\Prasannndh Raaju> docker ls

docker: 'ls' is not a docker command.

See 'docker --help'

PS C:\Users\Prasannndh Raaju> docker ps

CONTAINER ID

IMAGE

COMMAND

CREATED

STATUS

PORTS

NAMES

d7df4719a60b

04120b09ff48

"catalina.sh run"

2 hours ago

Up 2 hours

0.0.0.0:8888->8080/tcp

war-container

PS C:\Users\Prasannndh Raaju>

Engine running

RAM 1.16 GB CPU 0.25% Disk: 2.10 GB used (limit 1006.85 GB)

Terminal

New version available

- Containers
- Images
- Volumes
- Builds
- Docker Hub
- Docker Scout
- Extensions

Containers [Give feedback](#)

View all your running containers and applications. [Learn more](#)

Container CPU usage ⓘ

0.21% / 1600% (16 CPUs available)

Container memory usage ⓘ

140.5MB / 7.43GB

[Show charts](#)

 ☒ Only show running containers

| <input type="checkbox"/> | Name | Container ID | Image | Port(s) | CPU (%) | Last started | Actions |
|--------------------------|---|--------------|------------------------------------|---------|---------|--------------|---|
| <input type="checkbox"/> | <input type="radio"/> admiring_dijkstra | ee28deb699b7 | 53a18edff809 | | 0% | 7 hours ago |    |
| <input type="checkbox"/> | <input type="radio"/> hungry_lamport | 062f62a496cf | library/img1docker | | 0% | 1 day ago |    |
| <input type="checkbox"/> | <input type="radio"/> nervous_buck | 2e173571e47f | library/img1docker | | 0% | 1 day ago |    |
| <input type="checkbox"/> | <input type="radio"/> zealous_brown | dc58ec45025b | library/img1docker | | 0% | 1 day ago |    |
| <input type="checkbox"/> | <input type="radio"/> ecstatic_turing | 0aa535ab0102 | ubuntu | | 0% | 14 days ago |    |

Showing 6 items

Terminal

warimage-jenkins

prasanndh/warimage-jenkins

<none>

prasanndh/warimage-jenkins

biju/simpleapp

<none>

<none>

img1docker

nginx

ubuntu

PS C:\Users\Prasanndh Raaju>

latest

latest

<none>

latest

latest

<none>

<none>

latest

latest

latest

91d51e2e723f

91d51e2e723f

302162a23ae8

979ae692762a

098bb290818f

0c9f55932b8d

04120b09ff48

889707b33221

53a18edff809

a04dc4851cbc

4 minutes ago

4 minutes ago

5 minutes ago

8 minutes ago

45 minutes ago

46 minutes ago

2 hours ago

26 hours ago

5 weeks ago

7 weeks ago

520MB

520MB

520MB

520MB

520MB





520MB

520MB

520MB

192MB

78.1MB




Windo...

X

Engine running

RAM 1.17 GB CPU 0.19% Disk: 2.10 GB used (limit 1006.85 GB)

Terminal New version available



ENG IN

16:19 18-03-2025

How To Uninstall Jenkins

Pipeline Syntax: Snippet G

System » Global credentia

pipe #10 Console - Jenkins

Personal access tokens | D

Google

localhost:7070/job/pipe/10/console

Import favorites | McAfee Security | Dell

Dashboard > pipe > #10

```
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Push to Docker Hub)
[Pipeline] script
[Pipeline] {
[Pipeline] withDockerRegistry
$ docker login -u prasndh -p ***** https://index.docker.io/v1/
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
Login Succeeded
[Pipeline] {
[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\pipe>docker push prasndh/warimage-jenkins
Using default tag: latest
The push refers to repository [docker.io/prasndh/warimage-jenkins]
be839886e2bd: Preparing
5f70bf18a086: Preparing
43c9f8a1dd61: Preparing
5f70bf18a086: Preparing
bc05267c613b: Preparing
4e5b554b7345: Preparing
39cf0ac89a5a: Preparing
f844dcf94898: Preparing
3359bc3d7a6a: Preparing
4b7c01ed0534: Preparing
39cf0ac89a5a: Waiting
f844dcf94898: Waiting
3359bc3d7a6a: Waiting
4b7c01ed0534: Waiting
4e5b554b7345: Pushed
5f70bf18a086: Pushed
bc05267c613b: Pushed
be839886e2bd: Pushed
```

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Search

ENG IN 16:18 18-03-2025

How To Uninstall Jenkins On Windows

pipe Config - Jenkins

Pipeline Syntax: Snippet Generator

PrasannndhRaaju-MR/DevOps

Pavish-kumar/guvidevopswardsday

localhost:7070/job/pipe/configure

Import favoritesMcAfee SecurityDell

Dashboard > pipe > Configuration

Configure

General

Triggers

Pipeline

Advanced

Definition

Pipeline script

Script ?

```
1 pipeline {
2   agent any
3
4   stages {
5     stage('Clone Git Repository') {
6       steps {
7         git branch: 'main', url: 'https://github.com/PrasannndhRaaju-MR/DevOps.git'
8       }
9     }
10
11    stage('Build WAR File') {
12      steps {
13        bat 'mvn clean package' // Build WAR file using Maven
14      }
15    }
16
17    stage('Build Docker Image') {
```

☒ Use Groovy Sandbox ?

[Pipeline Syntax](#)

Advanced

Advanced

SaveApply

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Search

ENG IN14:4318-03-2025

How To Uninstall Jenkins On Windows

pipe - Jenkins


Pipeline Syntax: Snippet Generator

PrasannndhRaaju-MR/DevOps

Pavish-kumar/guvidevopswardsday

localhost:7070/job/pipe/

Import favoritesMcAfee SecurityDell

Jenkins

Prasannndh Raaju M R

log out

Dashboard > pipe >

Status

Changes

Build Now

Configure

Delete Pipeline

Stages

Rename

Pipeline Syntax

pipe

Add description

Permalinks

- Last build (#4), 1 min 49 sec ago
- Last stable build (#4), 1 min 49 sec ago
- Last successful build (#4), 1 min 49 sec ago
- Last failed build (#3), 4 min 27 sec ago
- Last unsuccessful build (#3), 4 min 27 sec ago
- Last completed build (#4), 1 min 49 sec ago

Builds

Filter

Today

- #4 2:41 PM
- #3 2:39 PM
- #2 2:31 PM
- #1 2:25 PM

localhost:7070/job/pipe/multi-pipeline-graph

REST APIJenkins 2.501

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Search

ENG IN

14:4318-03-2025

How To Uninstall Jenkins On Windows

pipe #4 Console - Jenkins

Pipeline Syntax: Snippet Generator

PrasannDhRaaju-MR/DevOps

Pavish-kumar/guvidevopswardsday

localhost:7070/job/pipe/4/console

Import favorites McAfee Security Dell

Dashboard > pipe > #4

```
#6 DONE 0.1s

#7 exporting to image
#7 exporting layers 0.1s done
#7 writing image sha256:04120b09ff485a72bfd1c54b7bcd890dc36384270905295ffde32d5d7e2b0603 done
#7 naming to docker.io/library/warimage-jenkins 0.0s done
#7 DONE 0.1s

[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Run Docker Container)
[Pipeline] script
[Pipeline] {
[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\pipe>docker run -d -p 8888:8080 --name war-container warimage-jenkins
d7df4719a60b728f2dec4a681c05813e7c90dd9bbaa208eea5c2472fa5043c14
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.501

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Windows Start Button

Search

Taskbar Icons: File Explorer, Microsoft Edge, Google Chrome, Firefox, VS Code, Docker Desktop, Jenkins, etc.

System Tray: Network, Volume, Power, Date/Time (14:43 18-03-2025)

JENKINS

Jenkins is an open-source automation tool written in Java programming language that allows continuous integration. Jenkins offers a straightforward way to set up a continuous integration or continuous delivery environment for almost any combination of languages and source code repositories using pipelines, as well as automating other routine development tasks.

The following are the main or most popular Jenkins use cases:

- Continuous Integration: With Jenkins pipelines, we can achieve CI for both applications and infrastructure as code.
- Continuous Delivery: You can set up well-defined and automated application delivery workflows with Jenkins pipelines.

Jenkins achieves CI (Continuous Integration) and CD (Continuous Deployment) with the help of plugins. Plugins are used to allow the integration of various DevOps stages. If you want to integrate a particular tool, you must install the plugins for that tool.

docker

```
# sudo apt install docker.io -y
# sudo service docker restart
# sudo service docker status
```

```
# sudo usermod -aG docker $USER
```

docker images

docker ps

```
# sudo chmod 666 /var/run/docker.sock
curl -LO https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl
sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl
chmod +x kubectl
mkdir -p ~/.local/bin
mv ./kubectl ~/.local/bin/kubectl
kubectl version --client
udo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl
```

```
chmod +x kubectl
mkdir -p ~/.local/bin
mv ./kubectl ~/.local/bin/kubectl
```

```
kubectl version --client
```

Pipeline code

```
pipeline {
  agent any
  tools {maven "maven"}
  stages {
    stage('SCM') {
      steps {
        git branch: 'master', url: 'https://github.com/PrasanndhRaaaju-MR/DevOps.git'
      }
    }
    stage('Build') {
      steps {
        sh 'mvn clean package'
      }
    }
  }
}
```

```
}
stage('build to images') {
  steps {
    script {
      sh 'docker build -t prasnndh/webapp1 .'
    }
  }
}
stage('push to hub') {
  steps {
    script {
      withDockerRegistry(credentialsId: 'docker_cred', toolName: 'docker', url: 'https://index.docker.io/v1/') {
        sh 'docker push prasnndh/webapp1'
      }
    }
  }
}
}
```