

Docker: Creating a Jenkins pipeline and running the job of docker and pushing image to the Docker hub by integrating with GitHub.

Step1: Create an Ec2 instance with amazon Linux Ami, all required fields and update it.

The image shows two screenshots of the AWS Management Console. The top screenshot displays the 'Launch an instance' page, where the 'Amazon Linux' AMI is selected. The 'Architecture' is set to '64-bit (x86)' and the 'AMI ID' is 'ami-09f6caae59175ba13'. The bottom screenshot shows the 'Instances' page with a table listing the created instance 'Docker-Jenkins' with ID 'i-0c49384495d91898d' in a 'Running' state. Below the table, the 'Details' tab for this instance is expanded, showing its public IPv4 address as '34.254.197.5' and its instance state as 'Running'.

Launch an instance | EC2 Management Console

eu-west-1.console.aws.amazon.com/ec2/home?region=eu-west-1#LaunchInstances:

Search our full catalog including 1000s of application and OS images

Quick Start

- Amazon Linux
- macOS
- Ubuntu
- Windows
- Red Hat
- SUSE Linux

Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
ami-09f6caae59175ba13 (64-bit (x86)) / ami-01d024789b7899a80 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2 Kernel 5.10 AMI 2.0.20230628.0 x86_64 HVM gp2

Architecture
64-bit (x86)

AMI ID
ami-09f6caae59175ba13

Verified provider

Instances (1/1) Info

Name	Instance ID	Instance state	Instance type	Status
Docker-Jenkins	i-0c49384495d91898d	Running	t2.micro	-

Instance: i-0c49384495d91898d (Docker-Jenkins)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary Info

Instance ID i-0c49384495d91898d (Docker-Jenkins)	Public IPv4 address 34.254.197.5 open address	Private IPv4 addresses 172.31.44.202
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-34-254-197-5.eu-west-1.compute.amazonaws.com open

Step2: Install Docker, Git, Jenkins using the commands below. Install docker and start docker daemon. Copy the password of jenkins and Install the suggested plugins.

```
yum update -y
```

```
sudo amazon-linux-extras install java-openjdk11 -y
```

```
wget https://get.jenkins.io/war-stable/2.387.1/jenkins.war
```

```
java -jar jenkins.war --httpPort=80
```

```
yum install git -y
```

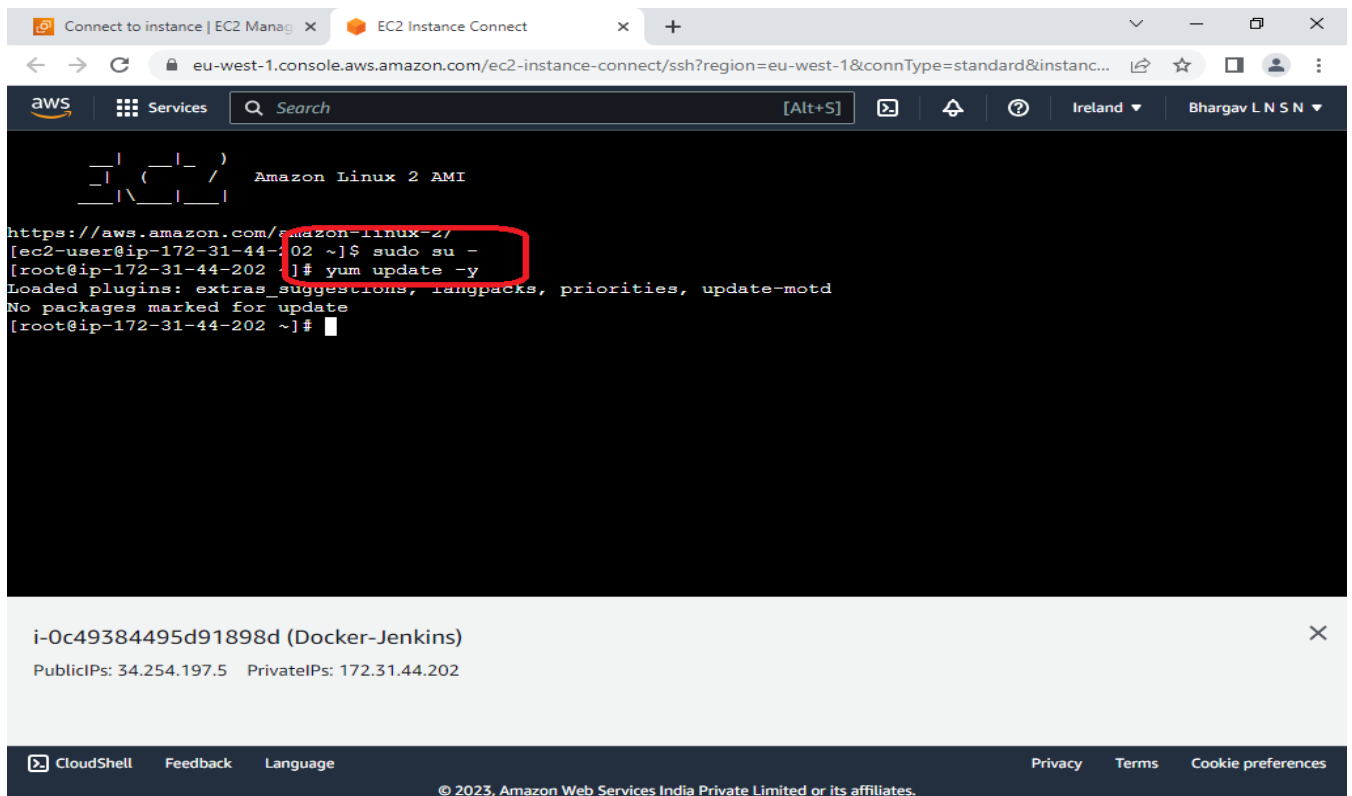
```
yum install docker
```

```
systemctl enable docker
```

```
systemctl start docker
```

```
systemctl status docker
```

```
docker images
```



Install Java package. Unzip jenkins.war and assign it to port 80.

```
Connect to instance | EC2 Manag x EC2 Instance Connect x +
eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-west-1&connType=standard&instanc...
aws Services Search [Alt+S] Ireland Bhargav L N S N
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-44-202 ~]$ sudo su -
[root@ip-172-31-44-202 ~]# yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
No packages marked for update
[root@ip-172-31-44-202 ~]# sudo amazon-linux-extras install java-openjdk11 -y
Installing java-11-openjdk
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-java-openjdk11 amzn2extra-kernel-5.10
17 metadata files removed
6 sqlite files removed
0 metadata files removed
```

i-0c49384495d91898d (Docker-Jenkins)

PublicIPs: 34.254.197.5 PrivateIPs: 172.31.44.202

```
CloudShell Feedback Language Privacy Terms Cookie preferences
© 2023 Amazon Web Services India Private Limited or its affiliates
Connect to instance | EC2 Manag x EC2 Instance Connect x +
eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-west-1&connType=standard&instanc...
aws Services Search [Alt+S] Ireland Bhargav L N S N
62 kernel-5.15 available [ =stable ]
63 postgresql14 available [ =stable ]
64 firefox available [ =stable ]
65 lustre available [ =stable ]
66 php8.1 available [ =stable ]
67 awscli1 available [ =stable ]
68 php8.2 available [ =stable ]
69 dnsmasq available [ =stable ]
70 unbound1.17 available [ =stable ]
71 golang1.19 available [ =stable ]
72 collectd-python3 available [ =stable ]
[root@ip-172-31-44-202 ~]# wget https://get.jenkins.io/war-stable/2.387.1/jenkins.war
--2023-07-04 10:45:09-- https://get.jenkins.io/war-stable/2.387.1/jenkins.war
Resolving get.jenkins.io (get.jenkins.io)... 20.119.232.75, 2603:1030:408:7::44
Connecting to get.jenkins.io (get.jenkins.io)|20.119.232.75|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://ftp.halifax.rwth-aachen.de/jenkins/war-stable/2.387.1/jenkins.war [following]
--2023-07-04 10:45:10-- https://ftp.halifax.rwth-aachen.de/jenkins/war-stable/2.387.1/jenkins.war
Resolving ftp.halifax.rwth-aachen.de (ftp.halifax.rwth-aachen.de)... 137.226.34.46, 2a00:8a60:e012:a00::21
Connecting to ftp.halifax.rwth-aachen.de (ftp.halifax.rwth-aachen.de)|137.226.34.46|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 98336194 (94M) [application/java-archive]
Saving to: 'jenkins.war'

2% [>] 2,055,932 9.10MB/s
```

i-0c49384495d91898d (Docker-Jenkins)

PublicIPs: 34.254.197.5 PrivateIPs: 172.31.44.202

```
Connect to instance | EC2 Manag x EC2 Instance Connect x +
eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-west-1&connType=standard&instanc...
aws Services Search [Alt+S] Ireland Bhargav L N S N
HTTP request sent, awaiting response... 302 Found
Location: https://ftp.halifax.rwth-aachen.de/jenkins/war-stable/2.387.1/jenkins.war [following]
--2023-07-04 10:45:10-- https://ftp.halifax.rwth-aachen.de/jenkins/war-stable/2.387.1/jenkins.war
Resolving ftp.halifax.rwth-aachen.de (ftp.halifax.rwth-aachen.de)... 137.226.34.46, 2a00:8a60:e012:a00::21
Connecting to ftp.halifax.rwth-aachen.de (ftp.halifax.rwth-aachen.de)|137.226.34.46|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 98336194 (94M) [application/java-archive]
Saving to: 'jenkins.war'

100%[=====>] 98,336,194 23.0MB/s in 4.5s

2023-07-04 10:45:14 (20.8 MB/s) - 'jenkins.war' saved [98336194/98336194]

[root@ip-172-31-44-202 ~]# java -jar jenkins.war --httpPort=80
Running from: /root/.jenkins.war
webroot: /root/.jenkins/war
2023-07-04 10:45:48.253+0000 [id=1] INFO winstone.Logger#logInternal: Beginning extraction from war file
2023-07-04 10:45:50.039+0000 [id=1] WARNING o.e.j.s.handler.ContextHandler#setContextPath: Empty contextPath
2023-07-04 10:45:50.213+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: jetty-10.0.13; built: 2022-12-07T20:13:20.134Z; git: 1c2636ea05c0ca8de1ffd6ca7f3a98ac084c766d; jvm 11.0.19+7-LTS
2023-07-04 10:45:51.180+0000 [id=1] INFO o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.jsp.JettyJspServlet
2023-07-04 10:45:51.377+0000 [id=1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: Session workerName=none0

i-0c49384495d91898d (Docker-Jenkins)
PublicIPs: 34.254.197.5 PrivateIPs: 172.31.44.202
```

```
Connect to instance | EC2 Manag x EC2 Instance Connect x 34.254.197.5 x +
eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-west-1&connType=standard&instanc...
aws Services Search [Alt+S] Ireland Bhargav L N S N
ates server
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.codehaus.groovy.vmplugin.v7.Java7$1 (file:/root/.jenkins/war/WEB-INF/lib/groovy-all-2.4.21.jar) to constructor java.lang.invoke.MethodHandles$Lookup(java.lang.Class,int)
WARNING: Please consider reporting this to the maintainers of org.codehaus.groovy.vmplugin.v7.Java7$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
2023-07-04 10:45:57.918+0000 [id=30] INFO jenkins.install.SetupWizard#init:

*****
*****

Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:

8042f9c0c3ec4fdb89b5d5b50103b07b

This may also be found at: /root/.jenkins/secrets/initialAdminPassword

*****
*****

i-0c49384495d91898d (Docker-Jenkins)
PublicIPs: 34.254.197.5 PrivateIPs: 172.31.44.202
```

Installing Git and Docker.

```
Connect to instance | E x EC2 Instance Connect x EC2 Instance Connect x Sign in [Jenkins] x + - [ ] [ ] [ ]
eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-west-1&connType=standard&instanc...
aws Services Search [Alt+S] [ ] [ ] [ ] Ireland Bhargav L N S N
Last login: Tue Jul 4 10:43:27 2023 from ec2-18-202-216-53.eu-west-1.compute.amazonaws.com

_ _ | _ _ | _ _ )
_ _ | ( _ _ | /
_ _ | \ _ _ | _ _ |

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-44-202 ~]$ sudo su -
Last login: Tue Jul 4 10:43:27 2023 from ec2-18-202-216-53.eu-west-1.compute.amazonaws.com
[root@ip-172-31-44-202 ~]# yum install git -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package git.x86_64 0:2.40.1-1.amzn2.0.1 will be installed
--> Processing Dependency: perl-Git = 2.40.1-1.amzn2.0.1 for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core-doc = 2.40.1-1.amzn2.0.1 for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core = 2.40.1-1.amzn2.0.1 for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Term::ReadKey) for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git) for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Running transaction check
--> Package git-core.x86_64 0:2.40.1-1.amzn2.0.1 will be installed
```

i-Oc49384495d91898d (Docker-Jenkins)

PublicIPs: 34.254.197.5 PrivateIPs: 172.31.44.202

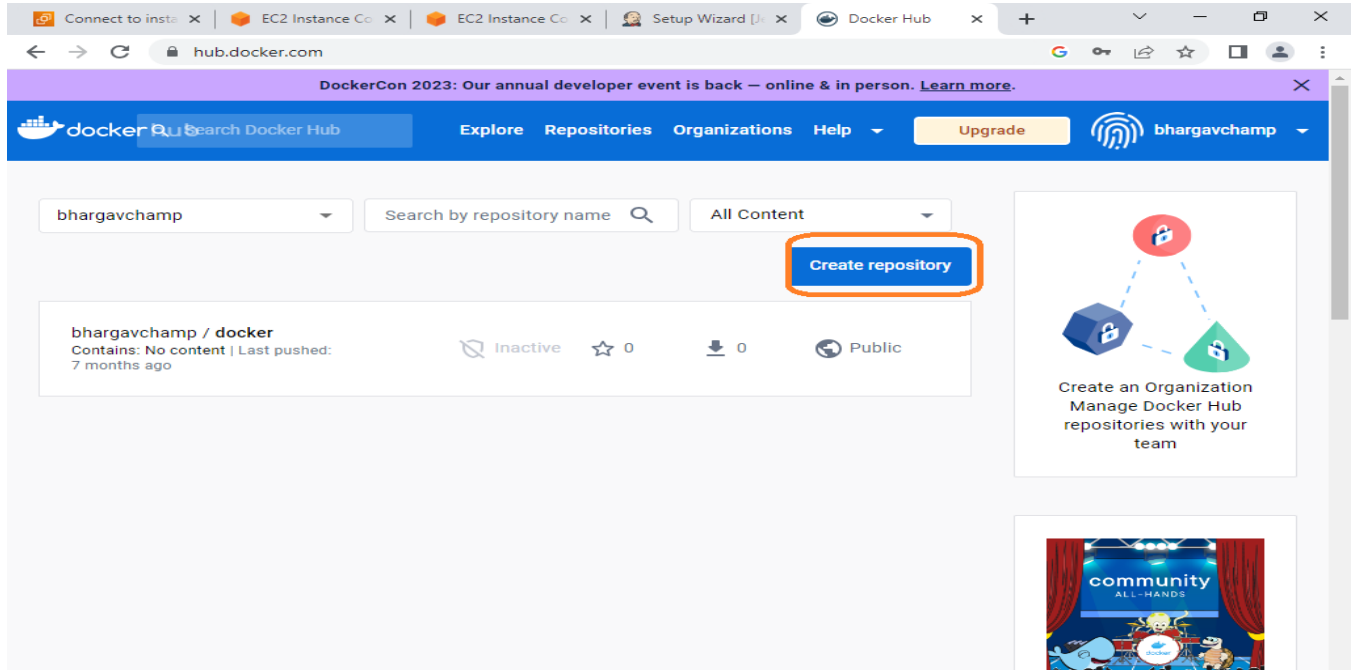
```
Connect to instance | E x EC2 Instance Connect x EC2 Instance Connect x Sign in [Jenkins] x + - [ ] [ ] [ ]
eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-west-1&connType=standard&instanc...
aws Services Search [Alt+S] [ ] [ ] [ ] Ireland Bhargav L N S N
Dependency Installed:
git-core.x86_64 0:2.40.1-1.amzn2.0.1 git-core-doc.noarch 0:2.40.1-1.amzn2.0.1
perl-Error.noarch 1:0.17020-2.amzn2 perl-Git.noarch 0:2.40.1-1.amzn2.0.1
perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2
Complete!
[root@ip-172-31-44-202 ~]# yum install docker
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package docker.x86_64 0:20.10.23-1.amzn2.0.1 will be installed
--> Processing Dependency: runc >= 1.0.0 for package: docker-20.10.23-1.amzn2.0.1.x86_64
--> Processing Dependency: libcgrouper >= 0.40.rc1-5.15 for package: docker-20.10.23-1.amzn2.0.1.x86_64
--> Processing Dependency: containerd >= 1.3.2 for package: docker-20.10.23-1.amzn2.0.1.x86_64
--> Processing Dependency: pigz for package: docker-20.10.23-1.amzn2.0.1.x86_64
--> Running transaction check
--> Package containerd.x86_64 0:1.6.19-1.amzn2.0.1 will be installed
--> Package libcgrouper.x86_64 0:0.41-21.amzn2 will be installed
--> Package pigz.x86_64 0:2.3.4-1.amzn2.0.1 will be installed
--> Package runc.x86_64 0:1.1.7-1.amzn2 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
```

i-Oc49384495d91898d (Docker-Jenkins)

PublicIPs: 34.254.197.5 PrivateIPs: 172.31.44.202

Step3: Create an empty repository in docker hub.

Generate an access token for docker hub.



The screenshot shows the Docker Hub homepage for user 'bhargavchamp'. The 'Create repository' button is highlighted with an orange box. The interface includes a search bar, navigation links (Explore, Repositories, Organizations, Help), and a user profile section.

hub.docker.com

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docker Explore Repositories Organizations Help Upgrade bhargavchamp

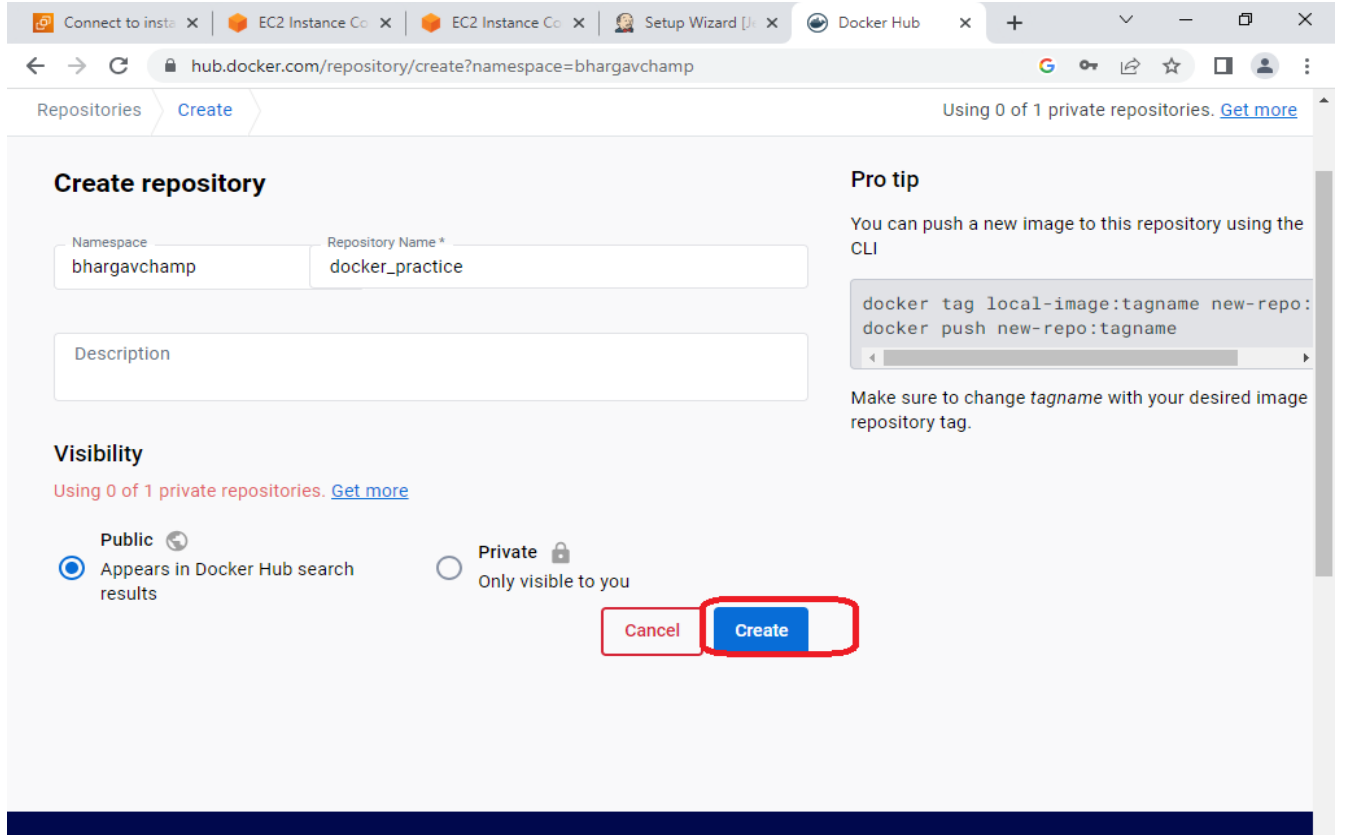
bhargavchamp Search by repository name All Content

Create repository

bhargavchamp / docker
Contains: No content | Last pushed: 7 months ago
Inactive 0 0 Public

Create an Organization
Manage Docker Hub repositories with your team

community ALL-HANDS



The screenshot shows the 'Create repository' form. The 'Namespace' is 'bhargavchamp' and the 'Repository Name' is 'docker_practice'. The 'Description' field is empty. The 'Visibility' section shows 'Public' selected. The 'Create' button is highlighted with a red box.

hub.docker.com/repository/create?namespace=bhargavchamp

Repositories Create Using 0 of 1 private repositories. [Get more](#)

Create repository

Namespace Repository Name *
bhargavchamp docker_practice

Description

Pro tip
You can push a new image to this repository using the CLI

```
docker tag local-image:tagname new-repo:  
docker push new-repo:tagname
```

Make sure to change tagname with your desired image repository tag.

Visibility
Using 0 of 1 private repositories. [Get more](#)

Public ☒ Appears in Docker Hub search results

Private ☐ Only visible to you

Cancel Create

Connect to insta x EC2 Instance Co x EC2 Instance Co x Setup Wizard [x bhargavchamp/ x

hub.docker.com/repository/docker/bhargavchamp/docker_practice/general

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docker Search Docker Hub Explore Repositories Organizations Help Upgrade bhargavchamp

bhargavchamp > Repositories > docker_practice > General Using 0 of 1 private repositories. [Get more](#)

General Tags Builds Collaborators Webhooks Settings

Add a short description for this repository Update
The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results.

bhargavchamp / docker_practice

Description
This repository does not have a description [✎](#)
Last pushed: a few seconds ago

Docker commands [Public View](#)
To push a new tag to this repository,
`docker push bhargavchamp/docker_practice:tagname`

Tags
This repository is empty. When it's not empty, you'll see a list of the most recent tags here.

Automated Builds
Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.


Connect to insta x EC2 Instance Co x EC2 Instance Co x Dashboard [Jen] x Docker Hub x

hub.docker.com/settings/security

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docker Search Docker Hub Explore Repositories Organizations Help Upgrade bhargavchamp

Account Settings > Security

 **bhargavchamp**
User Joined December 7, 2022

General
Security
Default Privacy
Notifications
Convert Account
Deactivate Account

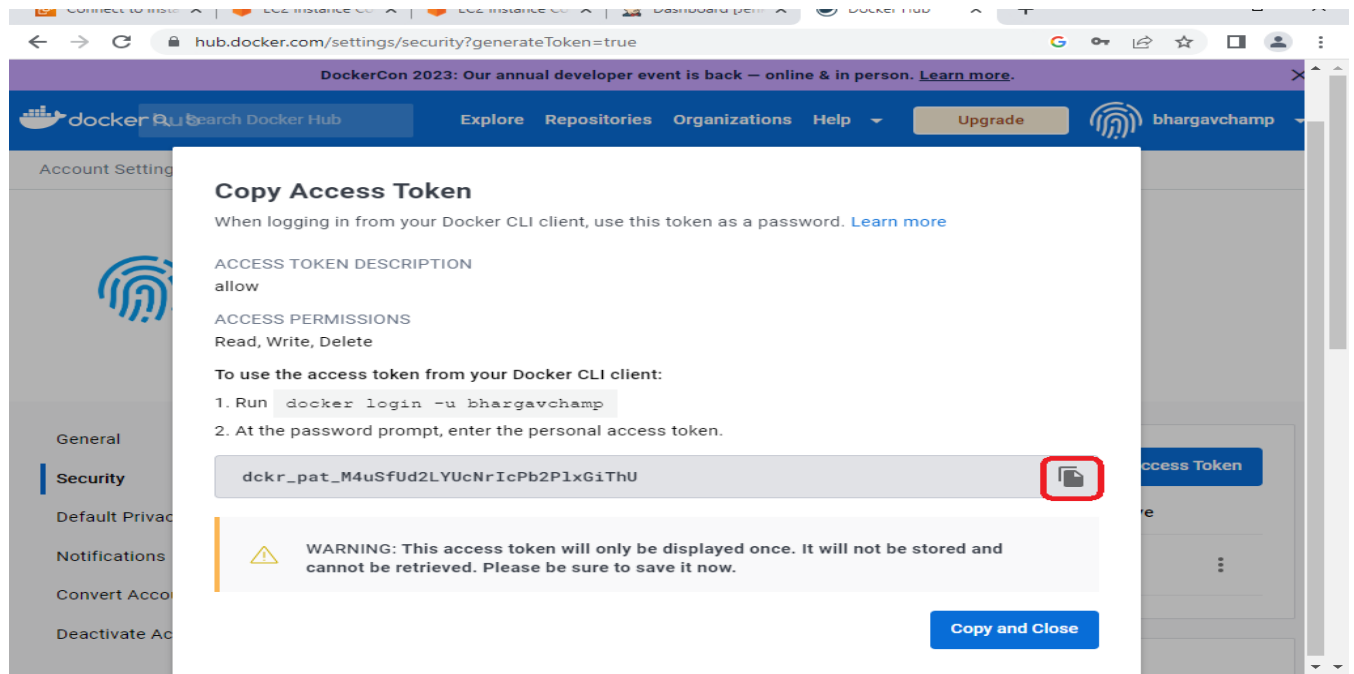
Access Tokens

It looks like you have not created any access tokens.
Docker Hub lets you create tokens to authenticate access. Treat personal access tokens as alternatives to your password. [Learn more](#)

[New Access Token](#)

https://hub.docker.com/settings/security 4:21 PM

Creating access token.



Setp4: Navigate to Jenkins and login with username password.

- Go to manage Jenkins, Add credentials.
- Add the username of Docker hub.
- Add token as password.

Global credentials (unrestricted)

+ Add Credentials

Credentials that should be available irrespective of domain specification to requirements matching.

ID	Name	Kind	Description
This credential domain is empty. How about adding some credentials?			

Icon: S M L

Connect to insta x EC2 Instance Co x EC2 Instance Co x New credentials x Docker Hub x +

REST API Jenkins 2.387.1

Not secure | 34.254.197.5/manage/credentials/store/system/domain/_/newCredentials

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) >

New credentials

Kind

Username with password

Scope ?

Global (Jenkins, nodes, items, all child items, etc)

Username ?

bhargavchamp

☐ Treat username as secret ?

Password ?

.....

ID ?

Create

Connect to insto x EC2 Instance Co x EC2 Instance Co x New credentials x Docker Hub x +

Not secure | 34.254.197.5/manage/credentials/store/system/domain/_/newCredentials

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) >

Username: bhargavchamp

☐ Treat username as secret ?

Password:

ID: docker-hub-bhargavchamp

Description:

Create

REST API Jenkins 2.387.1

Step5: Create a Jenkins file with a pipeline script, add the stages in the file.

Also create a docker file to pull images.

Connect to x EC2 Instance x EC2 Instance x Dashboard x Repositories x Bhargav-L x +

github.com/Bhargav-LNSN/docker-demo/tree/master

Bhargav-LNSN / docker-demo

<> Code Pull requests Actions Projects Wiki Security Insights Settings

docker-demo Public

forked from sai-313/nodejs-demo

Pin Watch 0 Fork 364 Star 0

master 1 branch 0 tags

Go to file Add file <> Code

This branch is 2 commits ahead of sai-313:master. Contribute Sync fork

Bhargav-LNSN Update Jenkinsfile		
nodeapp	nodejs-demo app	last year
Dockerfile	Update Dockerfile	5 minutes ago
Jenkinsfile	Update Jenkinsfile	now
README.md	Initial commit	2 years ago

README.md

nodeapp

About

No description, website, or topics provided.

- Readme
- Activity
- 0 stars
- 0 watching
- 364 forks

Releases

No releases published

Create a new release

Packages

No packages published

Connect to x EC2 Instanc x EC2 Instanc x Dashboard x Repositorie x docker-den x

github.com/Bhargav-LNSN/docker-demo/blob/master/Jenkinsfile

Bhargav-LNSN Update Jenkinsfile dd72b30 · now History

Code Blame 35 lines (33 loc) · 860 Bytes Raw

```
1 pipeline {
2   agent any
3   environment {
4     DOCKERHUB_CREDENTIALS = credentials('docker-hub-bhargavchamp')
5   }
6   stages {
7     stage('SCM Checkout') {
8       steps{
9         git 'https://github.com/Bhargav-LNSN/docker-demo.git'
10      }
11    }
12
13    stage('Build docker image') {
14      steps {
15        sh 'docker build -t bhargavchamp/docker_practice:$BUILD_NUMBER .'
16      }
17    }
18    stage('login to dockerhub') {
19      steps{
20        sh 'echo $DOCKERHUB_CREDENTIALS_PSW | docker login -u $DOCKERHUB_CREDENTIALS_USR --password-stdin'
21      }
22    }
23    stage('push image') {
24      steps{
25        sh 'docker push bhargavchamp/docker_practice:$BUILD_NUMBER'
26      }
27    }
28  }
```

Connect to x EC2 Instanc x EC2 Instanc x Dashboard x Repositorie x Editing doc x

github.com/Bhargav-LNSN/docker-demo/edit/master/Dockerfile

Bhargav-LNSN / docker-demo

Type to search

<> Code Pull requests Actions Projects Wiki Security Insights Settings

docker-demo / Dockerfile in master Cancel changes Commit changes...

Edit Preview Spaces 2 No wrap

```
1 FROM node:latest
2 WORKDIR /usr/src/app
3 COPY nodeapp/* /
4 RUN npm install
5 EXPOSE 3000
6 CMD ["npm","start"]
```

giving focus. Alternatively, use `esc` then `tab` to move to the next interactive element on the page.

Step6: Create new pipeline job. Configure pipeline and PCM with git as source. Add credentials in that . Then save and build the job.

See the stage view.

The image consists of two screenshots of the Jenkins web interface.

The first screenshot shows the 'Enter an item name' dialog. The input field contains 'dockerjob'. Below the input field, there are three options: 'Freestyle project', 'Pipeline' (which is highlighted with a green box), and 'Multi-configuration project'. The 'Pipeline' option is described as 'Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.' There is an 'OK' button at the bottom.

The second screenshot shows the 'Configure' page for the 'dockerjob'. The 'Definition' dropdown is set to 'Pipeline script from SCM'. The 'SCM' dropdown is set to 'Git'. Under 'Repositories', there is a 'Repository URL' field with the value 'https://github.com/Bhargav-LNSN/docker-demo.git' and a 'Credentials' dropdown set to 'bhargavchamp/***** (docker-hub-bhargavchamp)'. There are 'Add' and 'Remove' buttons for the repository. At the bottom, there are 'Save' and 'Apply' buttons.

Connect to x EC2 Instanc x EC2 Instanc x dockerjob x Repositorie x Bhargav-LN x +

Not secure | 34.254.197.5/job/dockerjob/configure

Dashboard > dockerjob > Configuration

Configure

- General
- Advanced Project Options
- Pipeline

Advanced ▾

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/master

Add Branch

Repository browser ?

(Auto) ▾

Additional Behaviours

Add ▾

Save Apply

Connect to x EC2 Instanc x EC2 Instanc x dockerjob x Repositorie x Bhargav-LN x +

Not secure | 34.254.197.5/job/dockerjob/

Jenkins

Search (CTRL+K) ?

1 2 admin ▾ log out

Dashboard > dockerjob >

Pipeline dockerjob

Add description

Disable Project

Stage View

Average stage times:

Declarative: Checkout SCM

251ms

#1 Jul 04 16:42 No Changes

251ms

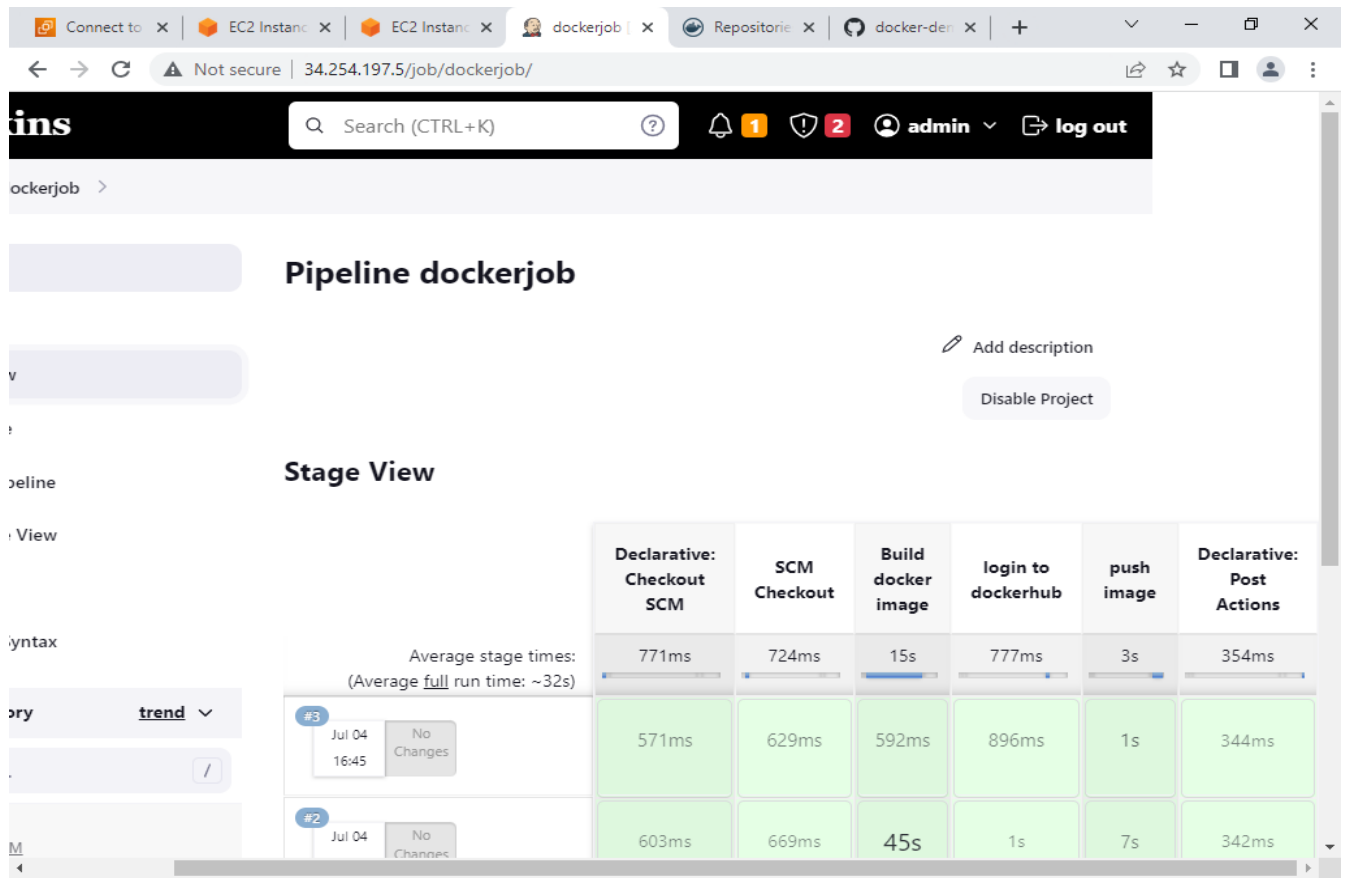
Permalinks

Build History

trend ▾

Filter builds... /

#1 Jul 4, 2023, 11:12 AM



Job has been successfully done. Now we can see the image has been pulled to docker hub which reflects in the repository. Also see the image in the instance.

By running below command.

- docker images

Connect to x EC2 Instance x EC2 Instance x dockerjob x Image Layer x docker-de x

hub.docker.com/layers/bhargavchamp/docker_practice/3/images/sha256-abc284a970a583939451e68...

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docker Search Docker Hub Explore Repositories Organizations Help Upgrade bhargavchamp

bhargavchamp Repositories docker_practice 3

bhargavchamp/docker_practice:3

DELETE TAG

DIGEST: sha256:abc284a970a583939451e6873b8a96b4f02706f0e990be5cb8271d43c36cde67

OS/ARCH	COMPRESSED SIZE	LAST PUSHED	TYPE
linux/amd64	387.58 MB	a minute ago by bhargavchamp	Image

Image Layers Vulnerabilities

IMAGE LAYERS

1	ADD file ... in /	47.26 MB
2	CMD ["bash"]	0 B
3	/bin/sh -c set -eux; apt-get	22.92 MB

Command

```
ADD
file:98cacc5890a8c0b29d7a2b296774428cb2268b01b4ff97a84deadcd3b513f319
in /
```

Connect to x EC2 Instance x EC2 Instance x dockerjob x Image Layer x docker-de x

eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-west-1&connType=standard&instanc...

aws Services Search [Alt+S] Ireland Bhargav L N S N

```
Process: 20778 ExecStartPre=/usr/libexec/docker/docker-setup-runtimes.sh (code=exited, status=0/SUCCESS)
Process: 20776 ExecStartPre=/bin/mkdir -p /run/docker (code=exited, status=0/SUCCESS)
Main PID: 20782 (dockerd)
Tasks: 7
Memory: 82.2M
CGroup: /system.slice/docker.service
└─20782 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --default-ulimit no...
```

```
Jul 04 11:14:01 ip-172-31-44-202.eu-west-1.compute.internal dockerd[20782]: time="2023-07-04T11:14:01.631234..."
Jul 04 11:14:01 ip-172-31-44-202.eu-west-1.compute.internal dockerd[20782]: time="2023-07-04T11:14:01.657991..."
Jul 04 11:14:01 ip-172-31-44-202.eu-west-1.compute.internal dockerd[20782]: time="2023-07-04T11:14:01.658413..."
Jul 04 11:14:01 ip-172-31-44-202.eu-west-1.compute.internal dockerd[20782]: time="2023-07-04T11:14:01.659318..."
Jul 04 11:14:01 ip-172-31-44-202.eu-west-1.compute.internal dockerd[20782]: time="2023-07-04T11:14:01.860030..."
Jul 04 11:14:01 ip-172-31-44-202.eu-west-1.compute.internal dockerd[20782]: time="2023-07-04T11:14:01.912911..."
Jul 04 11:14:02 ip-172-31-44-202.eu-west-1.compute.internal dockerd[20782]: time="2023-07-04T11:14:02.010039..."
Jul 04 11:14:02 ip-172-31-44-202.eu-west-1.compute.internal dockerd[20782]: time="2023-07-04T11:14:02.010716..."
Jul 04 11:14:02 ip-172-31-44-202.eu-west-1.compute.internal systemd[1]: Started Docker Application Container...
Jul 04 11:14:02 ip-172-31-44-202.eu-west-1.compute.internal dockerd[20782]: time="2023-07-04T11:14:02.046863..."
Hint: Some lines were ellipsized, use -l to show in full.
[root@ip-172-31-44-202 ~]# docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
bhargavchamp/docker_practice	2	0dedce6dce72	About a minute ago	1.12GB
bhargavchamp/docker_practice	3	0dedce6dce72	About a minute ago	1.12GB
code	latest	929e12cf091f	12 days ago	1.1GB

```
[root@ip-172-31-44-202 ~]#
```

i-Oc49384495d91898d (Docker-Jenkins)

PublicIPs: 34.254.197.5 PrivateIPs: 172.31.44.202

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