

## JENKINS PIPELINE TO DOCKER SWARM

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Provisioning Test Page</title>
```

```
  <link href="https://fonts.googleapis.com/css?family=Slabo+27px"
rel="stylesheet">
```

```
  <style type="text/css">
```

```
    body {
```

```
      text-align:center;
```

```
      font-family: 'Slabo 27px', serif;
```

```
      height:100vh;
```

```
    }
```

```
    .vertical-center {
```

```
      position:relative;
```

```
      top:50%;
```

```
      transform: translateY(-50%);
```

```
    }
```

```
    img {
```

```
      width:100px;
```

```
}
</style>
</head>
<body>
  <div class="vertical-center">
    <h1>Fibonacci Generator</h1>

    <p>The number at position <%= index %> is <%= value %></p>
    
  </div>
</body>
</html>
```

HACKABLE:

```
<!DOCTYPE html>
<html>
<head>
  <title>Provisioning Test Page</title>
  <link href="https://fonts.googleapis.com/css?family=Slabo+27px"
rel="stylesheet">
  <style type="text/css">
    body {
      text-align:center;
```

```
font-family: 'Slabo 27px', serif;  
height:100vh;  
}
```

```
.vertical-center {
```

```
    position:relative;  
    top:50%;  
    transform: translateY(-50%);
```

```
}
```

```
img {  
    width:100px;  
}
```

```
#command {  
    width:50%;  
    display: inline-block;  
}
```

```
#stdout {  
    width:50%;  
    display: inline-block;
```

```
}
</style>
</head>
<body>
  <div class="vertical-center">

    
    <h1>Hackable: Code Injection</h1>

    <p>The following command was run on the server!</p>
    <code id="command">
      <%= command %>
    </code>
    <p>This was the result</p>
    <code id="stdout">
      <%= stdout %>
    </code>
  </div>
</body>
</html>
```

POSTS:

```
<!DOCTYPE html>
<html>
```

```
<head>

  <title>Provisioning Test Page</title>

  <link href="https://fonts.googleapis.com/css?family=Slabo+27px"
rel="stylesheet">

  <style type="text/css">

    body {

      font-family: 'Slabo 27px', serif;

      height:100vh;

    }


    img {

      width:100px;

    }


    .blog {

      padding:50px;

    }


    .post {

      padding:20px;

    }

  </style>

</head>

<body>
```

```

<div class="blog">
  
  <h1>Recent Posts</h1>
  <hr/>

  <% posts.forEach(function(post){ %>
    <div class="post">
      <h3><%= post.title %></h3>
      <p><%= post.body %></p>
    </div>
  <% }) %>
</div>
</body>
</html>

```

## JENKINSFILES:

```

pipeline {
  environment {
    registry = "naistangz/docker_automation"
    registryCredential = "dockerhub"
    dockerImage = "
    PATH = "$PATH:/usr/local/bin"
  }
}

```

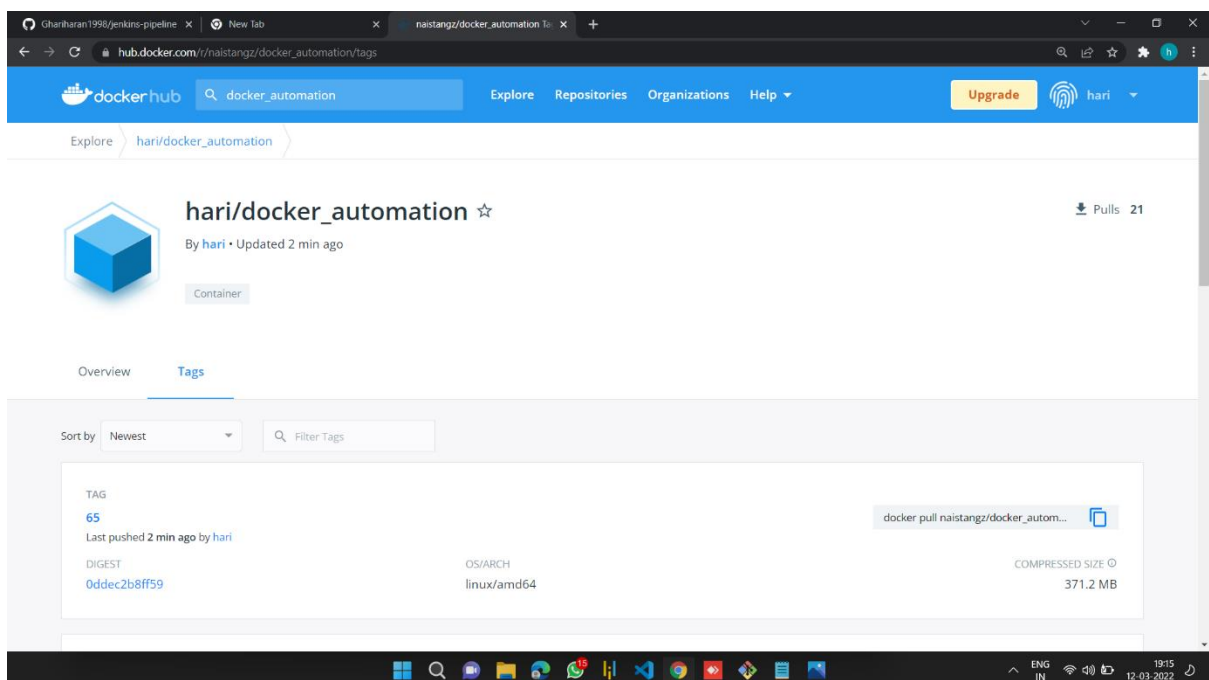
```
agent {  
    'docker'}  
stages {  
    stage('Cloning our Git') {  
        steps {  
            git  
            'https://github.com/naistangz/Docker_Jenkins_Pipeline.git'  
        }  
    }  
  
    stage('Building Docker Image') {  
        steps {  
            script {  
                dockerImage = docker.build registry +  
                ":$BUILD_NUMBER"  
            }  
        }  
    }  
  
    stage('Deploying Docker Image to Dockerhub') {  
        steps {  
            script {  
                docker.withRegistry("", registryCredential) {
```

```

        dockerImage.push()
    }
}
}
}

stage('Cleaning Up') {
    steps{
        sh "docker rmi $registry:$BUILD_NUMBER"
    }
}
}
}
}

```





Jenkins > Global Tool Configuration

Mercurial

Mercurial installations

Add Mercurial

List of Mercurial installations on this system

Ant

Ant installations

Add Ant

List of Ant installations on this system

Maven

Maven installations

Add Maven

List of Maven installations on this system

NodeJS

NodeJS installations...

Docker

Docker installations

Add Docker

Docker

Name

docker

Installation root

/usr/local/bin/

☐ Install automatically

Delete Docker

Add Docker

List of Docker installations on this system

Save

Apply

Page generated:

31 Aug 2020, 18:45:42 BST

Jenkins 2.235.5

Jenkins

search

1

Anais Tang

log out

Jenkins > docker-deployment-test-v1 >

Back to Dashboard

Status

Changes

Build Now

Delete Pipeline

Configure

Full Stage View

GitHub

Open Blue Ocean

Rename

Pipeline Syntax

Pipeline docker-deployment-test-v1

Automating Docker deployment after CI build is successful

edit description

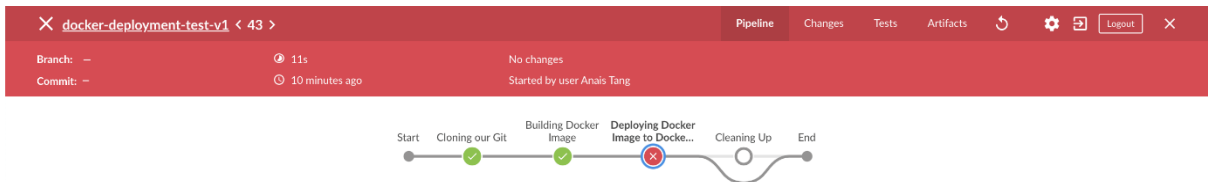
Disable Project

Recent Changes

Stage View

Average stage times:  
(Average full run time: ~33s)

	Cloning our Git	Building Docker Image	Deploying Docker image to Dockerhub	Cleaning Up
#64	2s	5s	7s	293ms
Sep 01 00:03 1 commit	2s	6s	18s	612ms
#63	3s	5s	23s	552ms
Sep 01 00:02 1 commit	1s	5s	23s	622ms
Aug 31 23:56 No Changes	1s	4s	1s failed	116ms failed
Aug 31 23:47 No Changes				





Anais was here



Docker containerised the image successfully!.

✕

docker-deployment-test-v1 < 19

Branch: —

Commit: —

6s

a few seconds ago

No changes

Started by user Anaïs Tang

PipelineChangesTestsArtifacts🔄⚙️📄Logout✕

Start

Cloning our Git

Building Docker image

Deploy Docker Image to Docker...

Cleaning up

End

Building Docker image - 2s

Restart Building Docker image

📄📄

✓

> Checks if running on a Unix-like node

<1s

✕

Shell Script

<1s

1

2

3

+ docker build -t naistangz/docker\_automation:19 .

/Users/anaistang/.jenkins/workspace/docker-deployment-test-v1/tmp/durable-09f719f9/script.sh: line 1: docker: command not found

script returned exit code 127

✓ docker-deployment-test-v1 < 62

PipelineChangesTestsArtifacts🔄⚙️🔗Logout✕

Branch: — 34s No changes  
Commit: — a minute ago Started by user Anais Tang



Cleaning Up - <1s [Restart Cleaning Up](#) 🗑️ ⬇️

✓ > Shell Script <1s