

Capstone Projects

You have been Hired Sr. DevOps Engineer in Abode Software. They want to implement DevOpsLifecycle in their company. You have been asked to implement this lifecycle as fast as possible. Abode Software is a product-based company, their product is available on this GitHub link.

<https://github.com/hshar/website.git>

Following are the specifications of the lifecycle:

1. Install the necessary software on the machines using a configuration management tool.
2. Git Workflow has to be implemented
3. Code Build should automatically be triggered once commit is made to master branch or develop branch.

If commit is made to master branch, test and push to prod

If commit is made to develop branch, just test the product, do not push to prod

4. The Code should be containerized with the help of a Dockerfile. The Dockerfile should be built every time there is a push to GitHub. Use the following pre-built container for your application:

hshar/webapp

The code should reside in '/var/www/html'

5. The above tasks should be defined in a Jenkins Pipeline, with the following jobs:

Job1 : build

Job2: test

Job3 : prod

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several open windows:

- Start Course | Intellipaat
- 9949342177/website
- Instances | EC2 Management Con...

The main window is a GitHub repository page for "9949342177/website". The URL in the address bar is github.com/9949342177/website. The repository is public and was forked from "hshar/website".

Key details from the repository page:

- Branch: master (1 branch, 0 tags)
- Last commit: 883b439 on Feb 8, 2019 (2 commits)
- Files modified:
 - images (final, 4 years ago)
 - index.html (modified, 4 years ago)
- Contributors: 0 stars, 0 watching, 1.6k forks
- Releases: No releases published. Create a new release.
- Packages: No packages published. Publish your first package.
- Languages: (not visible in the screenshot)

Below the GitHub window, the taskbar displays the following icons from left to right:

- Type here to search
- Globe icon (likely a network or proxy icon)
- Magnifying glass icon (Search)
- File Explorer icon
- Edge browser icon
- File icon
- Email icon
- Opera browser icon
- Firefox browser icon
- Google Chrome browser icon
- File icon
- Power icon
- Network icon
- Signal strength icon
- Battery icon
- ENG (language setting)
- Date and time: 27-05-2023

Screenshot of the AWS Management Console showing the EC2 Instances page.

The browser tabs are:

- Start Course | Intellipaat
- 9949342177/website
- Instances | EC2 Management Con...

The AWS navigation bar shows the user is in the N. Virginia region, signed in as Yaswanth Kumar Desineedi.

The left sidebar menu includes:

- New EC2 Experience (with feedback link)
- EC2 Dashboard
- EC2 Global View
- Events
- Limits
- Instances
 - Instances (selected)
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Scheduled Instances
 - Capacity Reservations
- Images
 - AMIs
 - AMI Catalog
- Elastic Block Store
 - Volumes

The main content area displays the EC2 Instances table:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
proj-M	i-01f33c33f662906dc	Running	t2.micro	Initializing	No alarms	+ us-east-1a
proj-Test	i-021e5ea6ace024e25	Running	t2.micro	Initializing	No alarms	+ us-east-1a
proj-Prod	i-0a521cccd1813391a	Running	t2.micro	Initializing	No alarms	+ us-east-1a

A modal window titled "Select an instance" is open at the bottom of the screen.

The taskbar at the bottom shows the Windows Start button, a search bar, and pinned icons for various applications including File Explorer, Mail, and Google Chrome.

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-01f33c33f662906dc&osUser=ubuntu®ion=us-east-1&sshPort=22#/" and displays a terminal session on an AWS Lambda instance. The terminal output shows the user running commands to update the system:

```
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [249 kB]
Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [839 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [172 kB]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [17.8 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.9 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5488 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (5058 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-95-66:~$ sudo apt install software-properties-common ✓
Reading package lists... Done
Building dependency tree
Reading state information... Done
software-properties-common is already the newest version (0.99.9.11).
software-properties-common set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 8 not upgraded.
ubuntu@ip-172-31-95-66:~$ sudo add-apt-repository --yes --update ppa:ansible/ansible ✓
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease
Get:4 http://ppa.launchpad.net/ansible/ansible/ubuntu focal InRelease [18.0 kB]
Hit:5 http://security.ubuntu.com/ubuntu focal-security InRelease
Get:6 http://ppa.launchpad.net/ansible/ansible/ubuntu focal/main amd64 Packages [1132 B]
Get:7 http://ppa.launchpad.net/ansible/ansible/ubuntu focal/main Translation-en [756 B]
Fetched 19.9 kB in 1s (19.9 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-95-66:~$ []
i-01f33c33f662906dc (proj-M) ✓
```

Below the terminal output, the browser status bar shows "PublicIPs: 3.85.135.158 PrivateIPs: 172.31.95.66". The browser interface includes standard navigation controls, a search bar, and a toolbar with various icons.

The screenshot shows a Windows desktop environment with several open windows. In the top taskbar, there are tabs for 'Start Course | Intellipaat', '9949342177/website', 'Instances | EC2 Management', 'EC2 Instance Connect' (three separate tabs), and 'EC2 Instance Connect'. Below the taskbar, the system tray shows icons for Gmail, YouTube, Maps, Sample Avro File, How to create a Da..., google cloud stor..., Read AVRO messag..., Quickstart: stream..., Handling Avro files..., python - Adding a..., Adding timestamp..., and a user icon for 'Yaswanth Kumar Desineedi'.

The main window is a CloudShell terminal titled 'i-01f33c33f662906dc (proj-M)'. It displays the following terminal session:

```
0 upgraded, 0 newly installed, 0 to remove and 8 not upgraded.  
ubuntu@ip-172-31-95-66:~$ sudo add-apt-repository --yes --update ppa:ansible/ansible  
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease  
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease  
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease  
Get:4 http://ppa.launchpad.net/ansible/ubuntu focal InRelease [18.0 kB]  
Hit:5 http://security.ubuntu.com/ubuntu focal-security InRelease  
Get:6 http://ppa.launchpad.net/ansible/ubuntu focal/main amd64 Packages [1132 B]  
Get:7 http://ppa.launchpad.net/ansible/ubuntu focal/main Translation-en [756 B]  
Fetched 19.9 kB in 1s (19.9 kB/s)  
Reading package lists... Done  
ubuntu@ip-172-31-95-66:~$ sudo apt install ansible ✓  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  ansible-core python3-bcrypt python3-jmespath python3-kerberos python3-ntlm-auth python3-packaging python3-paramiko python3-pyparsing python3-requests-kerberos  
  python3-requests-ntlm python3-resolverlib python3-winrm python3-xmldict sshpass  
Suggested packages:  
  python3-gssapi python-pyparsing-doc  
The following NEW packages will be installed:  
  ansible ansible-core python3-bcrypt python3-jmespath python3-kerberos python3-ntlm-auth python3-packaging python3-paramiko python3-pyparsing python3-requests-kerberos  
  python3-requests-ntlm python3-resolverlib python3-winrm python3-xmldict sshpass  
0 upgraded, 15 newly installed, 0 to remove and 8 not upgraded.  
Need to get 22.3 MB of archives.  
After this operation, 323 MB of additional disk space will be used.  
Do you want to continue? [Y/n] y
```

At the bottom of the terminal window, it says 'PublicIPs: 3.85.135.158 PrivateIPs: 172.31.95.66'.

The status bar at the bottom of the screen includes links for 'CloudShell', 'Feedback', and 'Language', along with copyright information ('© 2023, Amazon Web Services India Private Limited or its affiliates.'), and links for 'Privacy', 'Terms', and 'Cookie preferences'. On the right side of the status bar, there are icons for weather (36°C Sunny), battery level, signal strength, network, language ('ENG'), date ('27-05-2023'), and a clock ('12:06').

A screenshot of a Windows desktop environment. At the top, there is a taskbar with several open tabs: "Start Course | Intellipaat", "9949342177/website", "Instances | EC2 Manager", "EC2 Instance Connect", "EC2 Instance Connect", and "EC2 Instance Connect". Below the taskbar is a search bar with the placeholder "Search [Alt+S]" and a user profile for "N. Virginia" and "Yaswanth Kumar Desineedi".

The main window is a terminal session titled "aws" with the title bar "Services". It displays the following command-line output:

```
ubuntu@ip-172-31-95-66:~$ ssh-keygen ✓
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ubuntu/.ssh/id_rsa
Your public key has been saved in /home/ubuntu/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:tJ5Qxd0alGLjUFWHcuHaNg9NAAC730ANnLWpP92HU ubuntu@ip-172-31-95-66
The key's randomart image is:
+---[RSA 3072]----+
| +%%X+o*+|
| .X.B*o+*|
| oo +o=O =|
| o .. .B =E|
| . S o .o+|
| o . . . o|
| o . . . o|
| . . . . . |
| . . . . . |
+---[SHA256]----+
ubuntu@ip-172-31-95-66:~$ sudo cat /home/ubuntu/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAABgQDZZHBqndr7Epr2x2Fl35fGCI+0QkTZ0kedbc5VxB7pfvXyAeYex/W+AOFn/Xf8TFXZHxgmp6k0YbGMccPquFJcqD09RpXRYUCONnTfbSic/CgMvxT4jT4sTXDqF87LuLdSRAP
/XYKkuR+jyiqHJM2qpqF0uHWFrQs9OSdw7G2U21u6kE/43sMIX9ruYY11KKWxQe3P8wsxc4/7D+5H2MkKv03aXCLP5rSha0kVh107HH02RpjV7I9zt+luPyUpnUFeHBWYioK99EuEMm4KSN0Jp4NW8YfLkJR9eUbh1z0hgqE8
brhd416RAGaEH4j40DVGKCBaCsgr7apdIyo2DFXIKzc6nE1NDWI0LY+LGys+m8KY4onw9baPjFGD5Yk6bvz5s6Qa4D0qyZMC9efK4R6t1WX6a023KPo2F2TSjCB+xYw45y04n+ploIMnwHePHf0S3hAYpf+9DAqaxE0kCXW4yz
E04m0E2SQQNJKzITvhNa+2w/f/GkeHqUgRk= ubuntu@ip-172-31-95-66 ✓
ubuntu@ip-172-31-95-66:~$ 
```

Below the terminal, the command "i-01f33c33f662906dc (proj-M)" is highlighted with a red checkmark. The status line shows "PublicIPs: 3.85.153.158 PrivateIPs: 172.31.95.66".

The bottom of the screen shows the Windows Start button, a search bar, and a taskbar with icons for File Explorer, Edge, Mail, and others. The system tray shows the date (27-05-2023), time (12:10), weather (36°C Sunny), and battery status.

The screenshot shows a terminal window titled "AWS Services" with the search bar set to "Search". The terminal is running the "GNU nano 4.8" editor. The file being edited is ".ssh/authorized_keys". The content of the file is a single line of text representing an SSH public key:

```
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQCCk5o1H8bon2bz6qQrm7GYJjNSVjcXOYE9x5e3m199JyP+gM62R9pSkzRGXuyBpC47s8+wSyi+ih6EoMRjVIodyDi49A1x8KvmPiOrOuly+E4sVvp/6eonMo/NONCwsRlmb43hAYpf+9DAqaxE0kCXW4yzyE04m0E2SQNJKzITvHNa+2w/f/GkeHqUgRk= ubuntu@ip-172-31-95-66
```

The terminal has a red arrow pointing to the end of the public key line. Below the terminal, the status bar displays the instance ID "i-021e5ea6ace024e25 (proj-Test)" and the IP addresses "PublicIPs: 52.205.250.67 PrivateIPs: 172.31.85.228".

```
GNU nano 4.8
.ssh/authorized keys ✓
Modified
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQCCk501H8bon2bz6qQrm7CYJjNSVjcXOYE9x5e3m199jyP+gHM62R9pSKsZKGxuyBpC47s8+wSyi+ih6EoMRjViodyDi49A1x8KvmPiOrOuly+E4sVvp/6eonMo/NONCwsRlmb
<3hAYpf+9DaqaxE0kCXW4yzyE04m0E2SQQNJKzITvHNa+2w/f/GkeHqUgRk= ubuntu@ip-172-31-95-66[]
```

^G Get Help ^O Write Out ^W Where Is ^R Cut Text ^J Justify ^C Cur Pos M-U Undo M-A Mark Text M-] To Bracket M-Q Previous
^X Exit ^R Read File ^\ Replace ^U Paste Text ^T To Spell ^ Go To Line M-B Redo M-C Copy Text ^Q Where Was M-W Next

i-0a521cccd1813391a (proj-Prod) ✓

PublicIPs: 54.165.211.84 PrivateIPs: 172.31.82.137

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Type here to search 36°C Sunny 12:12 27-05-2023

```
GNU nano 4.8
[test]
[prod] ✓

ls
/etc/ansible/hosts
Modified

^G Get Help      ^O Write Out    ^W Where Is      ^K Cut Text      ^J Justify      ^C Cur Pos      M-U Undo      M-A Mark Text      M-] To Bracket      M-Q Previous
^X Exit          ^R Read File    ^\ Replace       ^U Paste Text    ^T To Spell     ^I Go To Line   M-E Redo      M-B Copy Text    ^Q Where Was      M-W Next

i-01f33c33f662906dc (proj-M) ✓
PublicIPs: 3.85.135.158  PrivateIPs: 172.31.95.66
```

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36°C Sunny 12:15 27-05-2023

```
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [24.3 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [25.2 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7408 B]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [612 B]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [45.7 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [16.3 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1420 B]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [25.0 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.3 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:30 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [2192 kB]
Get:31 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [354 kB]
Get:32 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [13.0 kB]
Get:33 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1770 kB]
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [249 kB]
Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [899 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [172 kB]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [17.8 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.9 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5488 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (5093 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-85-228:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-85-228:~$
```

i-021e5ea6ace024e25 (proj-Test) ✓

PublicIPs: 52.205.250.67 PrivateIPs: 172.31.85.228

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36°C Sunny 12:16
27-05-2023 ENG

```
[test]
172.31.85.228
[prod]
```

GNU nano 4.8 /etc/ansible/hosts Modified

^G Get Help ^O Write Out ^W Where Is ^R Cut Text ^J Justify ^C Cur Pos M-U Undo ^X Exit ^S Read File ^\ Replace ^U Paste Text ^T To Spell ^M Go To Line M-E Redo M-A Mark Text M-C Copy Text ^Q Where Was M-N Previous M-M Next

i-01f33c33f662906dc (proj-M)

PublicIPs: 3.85.135.158 PrivateIPs: 172.31.95.66

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36°C Sunny 12:16 27-05-2023

The screenshot shows a browser window with multiple tabs open, including 'Start Course | Intellipaat', '9949342177/website', 'Instances | EC2 Management', 'EC2 Instance Connect', 'EC2 Instance Connect', 'EC2 Instance Connect', and 'EC2 Instance Connect'. The main content area displays a log of HTTP requests from an EC2 instance. Below the log, a terminal window shows the command 'sudo nano .ssh/authorized_keys' being run, followed by the public IP address '54.165.211.84' and private IP address '172.31.82.137'. A red checkmark is placed next to the terminal output. At the bottom, a CloudShell interface is visible with a search bar, file icons, and system status information.

```
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [253 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [24.3 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [25.2 kB]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7408 B]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [612 B]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [45.7 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [16.3 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1420 B]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [25.0 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.3 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [354 kB]
Get:32 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [13.0 kB]
Get:33 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1770 kB]
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [249 kB]
Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [839 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [172 kB]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [17.8 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.9 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5408 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (4989 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-82-137:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-82-137:~$
```

i-0a521cccd1813391a (proj-Prod) ✓

PublicIPs: 54.165.211.84 PrivateIPs: 172.31.82.137

```
GNU nano 4.8
[test]
172.31.85.228
[prod]
172.31.82.137
```

[Alt+S]

/etc/ansible/hosts

[Wrote 4 lines]

^G Get Help ^C Write Out ^W Where Is ^K Cut Text ^I Justify ^O Cur Pos ^U Undo ^A Mark Text ^J To Bracket ^Q Previous
^X Exit ^P Read File ^R Replace ^T To Spell ^L Go To Line ^D Redo ^B Copy Text ^Q Where Was ^W Next

i-01f33c33f662906dc (proj-M)

Public IPs: 3.85.135.158 Private IPs: 172.31.95.66

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36°C Sunny 12:18 27-05-2023

Start Course | Intellipaat | 9949342177/website | Instances | EC2 Management | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | + | - | X

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-01f33c33f662906dc&osUser=ubuntu®ion=us-east-1&sshPort=22#/
Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

aws Services Search [Alt+S]

```
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQbQDZZHPqndR7Epr2x2FL35fGCI+0QkT20kedbC5VxBTpfxYyAeYeX/W+AOFn/XF8TFXZHxgmp6k0YbGMccPquFJccD09RpXRyUCOnnTfbSic/QgMvxT4jT4sTXDqF87LuldSRAP/YKkuR+jyiQHJM2pqf8uHWFrQs90Sdw7GzU21u6kE/34sMYX9ruYY1lKKWxQe3P8wsxc4/7/D+5h2MKrv03aXCLP5rSHaOkvHw107HH02RpjV7I9zt+1uPyUPnUFeHWYioK99EuEMm4KSN0Jp4NW8YflkJR9eJdhz0hggEbprhd416FAGaEH4j4DVGKCBACsq#7pdIyo2DFXIKzC6nF1NDWIFOLY+LGys+m8KY4onw9baPjFGD5Yk6bvz5s6Qa4D0gy2MC9efk4R6tiWX6aO23Kfo2FTSJCB+xyw45y04n+plIMnwHePHF0S3hAYpf+9DAqaxE0kCXW4yzyB04m0E2S0QNJkzITvHNa+2w/f/GkeHQgRk= ubuntu@ip-172-31-95-66  
ubuntu@ip-172-31-95-66:~$ sudo nano /etc/ansible/hosts  
ubuntu@ip-172-31-95-66:~$ ansible -m ping all ✓  
The authenticity of host '172.31.85.228 (172.31.85.228)' can't be established.  
ECDSA key fingerprint is SHA256:t9sR6ynts0Q/88IpstsWdyYzgUPYJgorJHvgPYiwyJiU.  
The authenticity of host '172.31.82.137 (172.31.82.137)' can't be established.  
ECDSA key fingerprint is SHA256:hM1owdARCUvm0Z0m5VaGIy1ELwikNhacdGydmeAIKIA.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
172.31.85.228 | SUCCESS => {  
    "ansible_facts": {  
        "discovered_interpreter_python": "/usr/bin/python3" ✓  
    },  
    "changed": false,  
    "ping": "pong"  
}  
yes  
172.31.82.137 | SUCCESS => {  
    "ansible_facts": {  
        "discovered_interpreter_python": "/usr/bin/python3" ✓  
    },  
    "changed": false,  
    "ping": "pong"  
}  
ubuntu@ip-172-31-95-66:~$ ✓  
i-01f33c33f662906dc (proj-M) ✓  
PublicIPs: 3.85.135.158 PrivateIPs: 172.31.95.66
```

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36°C Sunny 12:19 27-05-2023

```
GNU nano 4.8 play.yaml
---
- name: master task
  hosts: localhost
  become: true
  tasks:
    - name: executing master.sh
      script: master.sh

- name: slave task
  hosts: all
  become: true
  tasks:
    - name: executing slave.sh
      script: slave.sh
```

[Wrote 14 lines]

i-01f33c33f662906dc (proj-M)

PublicIPs: 3.85.135.158 PrivateIPs: 172.31.95.66

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The screenshot shows a CloudShell terminal window with the following content:

```
GNU nano 4.8
master.sh
sudo apt update
sudo apt install openjdk-11-jdk -y
curl -fsSL https://pkg.jenkins.io/debian/jenkins.io-2023.key | sudo tee \
  /usr/share/keyrings/jenkins-keyring.asc > /dev/null
echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
  https://pkg.jenkins.io/debian binary/ | sudo tee \
  /etc/apt/sources.list.d/jenkins.list > /dev/null
sudo apt-get update
sudo apt-get install jenkins -y
```

The terminal shows a red checkmark at the bottom right of the command area. Below the terminal is a status bar with various keyboard shortcuts. At the bottom of the screen, there is a navigation bar with links like CloudShell, Feedback, Language, and a search bar.

A screenshot of a Windows desktop environment. The taskbar at the bottom shows several open browser tabs, including 'Start Course | Intellipaat', '9949342177/website', 'Instances | EC2 Management', 'EC2 Instance Connect', 'EC2 Instance Connect', and 'EC2 Instance Connect'. Above the taskbar is the AWS CloudShell interface. The terminal window displays the following command-line session:

```
ubuntu@ip-172-31-95-66:~$ sudo nano /etc/ansible/hosts
ubuntu@ip-172-31-95-66:~$ ansible -m ping all
The authenticity of host '172.31.85.228' (172.31.85.228) can't be established.
ECDSA key fingerprint is SHA256:t9sR8ynts0Q/88IptsWdyYzgUPYJgorJHvgPYiywJiU.
The authenticity of host '172.31.82.137' (172.31.82.137) can't be established.
ECDSA key fingerprint is SHA256:hM1owdARCUvm0Z0m5VaGIy1ELwiKhacdGydmeAIKIA.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
172.31.85.228 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
yes
172.31.82.137 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
ubuntu@ip-172-31-95-66:~$ sudo nano play.yaml ✓
ubuntu@ip-172-31-95-66:~$ ls
play.yaml ✓
ubuntu@ip-172-31-95-66:~$ sudo nano master.sh ✓
ubuntu@ip-172-31-95-66:~$ sudo nano slave.sh ✓
i-01f33c33f662906dc (proj-M) ✓
PublicIPs: 3.85.135.158 PrivateIPs: 172.31.95.66
```

The terminal window has a dark theme with white text. Red checkmarks are placed next to the file names 'play.yaml', 'master.sh', and 'slave.sh' in the command history. A red checkmark is also placed next to the project name 'i-01f33c33f662906dc (proj-M)'.

```
GNU nano 4.8
slave.sh
✓
sudo apt update
sudo apt install openjdk-11-jdk -y
sudo apt install docker.io -y[]

[ Wrote 3 lines ]
^G Get Help      ^O Write Out    ^W Where Is      ^F Cut Text      ^J Justify      ^C Cur Pos      M-U Undo
^X Exit          ^R Read File     ^L Replace       ^P Paste Text    ^T To Spell     ^U Go To Line   M-E Redo
M-A Mark Text   M-B To Bracket M-Q Previous
M-W Where Was   M-N Next

i-01f33c33f662906dc (proj-M) ✓
PublicIPs: 3.85.135.158  PrivateIPs: 172.31.95.66

CloudShell  Feedback  Language  © 2023, Amazon Web Services India Private Limited or its affiliates.  Privacy  Terms  Cookie preferences
Type here to search  38°C Sunny  12:28  ENG  27-05-2023
```

The screenshot shows a terminal session on an AWS CloudShell. The user has run several commands to set up an Ansible environment:

```
ubuntu@ip-172-31-95-66:~$ sudo nano play.yaml
ubuntu@ip-172-31-95-66:~$ ls
play.yaml
ubuntu@ip-172-31-95-66:~$ sudo nano master.sh
ubuntu@ip-172-31-95-66:~$ sudo nano slave.sh
ubuntu@ip-172-31-95-66:~$ ls
master.sh play.yaml slave.sh
ubuntu@ip-172-31-95-66:~$ ansible-playbook play.yaml --syntax-check ✓

playbook: play.yaml
ubuntu@ip-172-31-95-66:~$ ansible-playbook play.yaml --check ✓

PLAY [master task] ****
TASK [Gathering Facts] ****
ok: [localhost]

TASK [executing master.sh] ****
skipping: [localhost]

PLAY [slave task] ****
TASK [Gathering Facts] ****
ok: [172.31.85.228]
ok: [172.31.82.137]
```

After executing the playbook, the terminal shows the host identifier and its public and private IP addresses:

i-01f33c33f662906dc (proj-M)
PublicIPs: 3.85.135.158 PrivateIPs: 172.31.95.66



Start Course | IntelliJ IDEA | 9949342177/website | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | Sign in [Jenkins] | + | - | X

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-01f33c33f662906dc&osUser=ubuntu®ion=us-east-1&sshPort=22#/
Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

aws Services Search [Alt+S]

^C [ERROR]: User interrupted execution
ubuntu@ip-172-31-95-66:~\$ ansible-playbook play.yaml ✓

```
PLAY [master task] ****  
TASK [Gathering Facts] ****  
ok: [localhost]  
TASK [executing master.sh] ****  
changed: [localhost]  
  
PLAY [slave task] ****  
TASK [Gathering Facts] ****  
ok: [172.31.82.137]  
ok: [172.31.85.228]  
TASK [executing slave.sh] ****  
changed: [172.31.85.228]  
changed: [172.31.82.137]  
  
PLAY RECAP ****  
172.31.82.137 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0  
172.31.85.228 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0  
localhost      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0  
  
ubuntu@ip-172-31-95-66:~$ [ ]
```

i-01f33c33f662906dc (proj-M) ✓
Public IPs: 3.85.135.158 Private IPs: 172.31.95.66

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Type here to search 38°C Sunny 12:46 27-05-2023

Start Course | IntelliJ IDEA | 9949342177/website | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | Sign in [Jenkins] | + | - | X

Not secure | 3.85.135.158:8080/login?from=%2F

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Getting Started

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

/var/lib/jenkins/secrets/initialAdminPassword

Please copy the password from either location and paste it below.

Administrator password

Continue

Start Course | IntelliJ IDEA | 9949342177/website | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | Sign in [Jenkins] | +

us-east-1.console.aws.amazon.com/ec2-instance-connect ssh?region=us-east-1&connType=standard&instanceId=i-021e5ea6ace024e25&osUser=ubuntu&sshPort=22#

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

aws Services Search [Alt+S]

N. Virginia ▾ Yaswanth Kumar Desineedi

```
Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [839 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [172 kB]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [17.8 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.9 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5488 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (5093 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-85-228:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-85-228:~$ java --version

Command 'java' not found, but can be installed with:

sudo apt install openjdk-11-jre-headless # version 11.0.19+7~us1~Ubuntu1~20.04.1, or
sudo apt install default-jre # version 2:1.11-72
sudo apt install openjdk-13-jre-headless # version 13.0.7+5~Ubuntu1~20.04
sudo apt install openjdk-16-jre-headless # version 16.0.1+9-1~20.04
sudo apt install openjdk-17-jre-headless # version 17.0.7+7~us1~Ubuntu1~20.04
sudo apt install openjdk-8-jre-headless # version 8u372~ga~us1~Ubuntu1~20.04

ubuntu@ip-172-31-85-228:~$ java --version ✓
openjdk 11.0.19 2023-04-18
OpenJDK Runtime Environment (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1)
OpenJDK 64-Bit Server VM (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1, mixed mode, sharing)
ubuntu@ip-172-31-85-228:~$ docker --version ✓
Docker version 20.10.21, build 20.10.21~Ubuntu1~20.04.2
ubuntu@ip-172-31-85-228:~$ ]
```

i-021e5ea6ace024e25 (proj-Test) ✓

PublicIPs: 52.205.250.67 PrivateIPs: 172.31.85.228

CloudShell Feedback Language

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38°C Sunny 12:50 27-05-2023

The screenshot shows a browser window with multiple tabs open. The active tab is titled "EC2 Instance Connect" and displays a terminal session on an AWS CloudShell instance. The terminal output shows the user performing several commands:

```
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [16.3 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1420 B]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [25.0 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.3 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [354 kB]
Get:32 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [13.0 kB]
Get:33 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1770 kB]
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [249 kB]
Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [839 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [172 kB]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [17.8 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.9 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5488 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (4989 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-82-137:~$ sudo nano .ssh/authorized_keys ✓
ubuntu@ip-172-31-82-137:~$ java --version ✓
openjdk 11.0.19 2023-04-18
OpenJDK Runtime Environment (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1)
OpenJDK 64-Bit Server VM (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1, mixed mode, sharing)
ubuntu@ip-172-31-82-137:~$ docker --version ✓
Docker version 20.10.21, build 20.10.21-0ubuntu1~20.04.2
ubuntu@ip-172-31-82-137:~$ 
```

At the bottom of the terminal window, there is a note: "i-0a521cccd1813391a (proj-Prod) ✓". Below the terminal, it says "PublicIPs: 54.165.211.84 PrivateIPs: 172.31.82.137".

The screenshot shows a Windows desktop environment with a taskbar at the bottom and a browser window displaying a GitHub repository page.

Taskbar (Bottom):

- Windows Start button
- Type here to search (text input field)
- File Explorer icon
- Edge browser icon
- File icon
- Mail icon
- OneDrive icon
- Google Chrome icon
- Filezilla icon
- Notepad icon
- Calculator icon
- Power icon
- System tray icons: battery (38°C), signal strength, volume, and date/time (27-05-2023, 12:51).

Browser Window (Top):

Address bar: github.com/9949342177/website

Tab bar (top of the GitHub page):
Start Course | IntelliJ IDEA | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | Sign in [Jenkins]

Toolbar (GitHub page):
Search or jump to... | Pull requests | Issues | Codespaces | Marketplace | Explore

Repository details:
9949342177 / website | Public
forked from hshar/website

Code navigation:
Code (highlighted) | Pull requests | Actions | Projects | Wiki | Security | Insights | Settings

Branch status:
master | 1 branch | 0 tags
This branch is up to date with hshar/website:master.

Code editor toolbar:
Go to file | Add file | Create new file (highlighted) | Upload files | Sync fork

Repository stats:
About: No description, website, or topics provided.
0 stars | 0 watching | 1.6k forks

Releases:
No releases published | Create a new release

Packages:
No packages published | Publish your first package

Languages:

Screenshot of a Microsoft Edge browser window showing a GitHub repository page for a Dockerfile.

The GitHub page URL is github.com/9949342177/website/new/master.

The Dockerfile content is:

```
1 FROM ubuntu
2 RUN apt update
3 RUN apt install apache2 -y
4 ADD . /var/www/html
5 ENTRYPOINT apachectl -D FOREGROUND
```

A red checkmark is placed next to the fifth line of the Dockerfile.

The GitHub interface shows the following details:

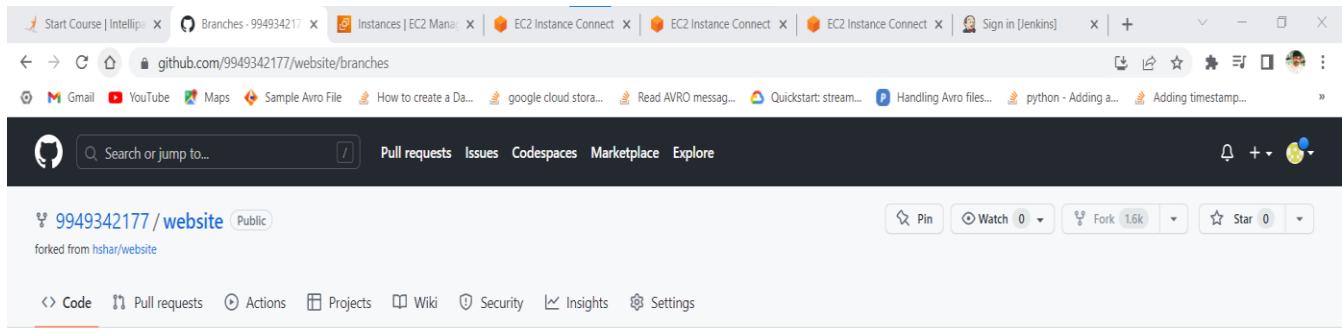
- Repository: [9949342177 / website](#) (Public)
- Forked from [hshar/website](#)
- Code tab is selected.
- Dockerfile is the current file being viewed.
- Commit changes... button is highlighted with a red box.

The taskbar at the bottom of the screen includes the following icons:

- Type here to search
- File Explorer
- Task View
- Edge browser icon (highlighted with a red circle)
- Mail
- OneDrive
- Google Chrome
- File Explorer
- Calculator
- PowerShell
- Task Manager

System tray icons include:

- Temperature: 38°C
- Weather: Sunny
- Network
- Battery: ENG
- Date: 27-05-2023
- Time: 12:56



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Start Course | IntelliJ IDEA | 9949342177/website | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | Sign in [Jenkins]

github.com/9949342177/website/tree/develop

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

9949342177 / website Public forked from hshar/website

Code Pull requests Actions Projects Wiki Security Insights Settings

branches: develop (selected), 2 branches, 0 tags

Switch branches/tags

Find or create a branch...

Branches Tags

master (default)

✓ develop

View all branches

index.html

87b843b 2 minutes ago 3 commits

final 4 years ago

Create Dockerfile 2 minutes ago

modified 4 years ago

About

No description, website, or topics provided.

0 stars 0 watching 1.6k forks

Releases

No releases published Create a new release

Packages

No packages published Publish your first package

Help people interested in this repository understand your project by adding a README. Add a README

Windows Start Type here to search

38°C Sunny 12:59 ENG 27-05-2023

The screenshot shows a Windows desktop environment with several open browser tabs and a terminal window.

Browser Tabs:

- Start Course | IntelliJ IDEA
- 9949342177/website
- Instances | EC2 Manager
- EC2 Instance Connect
- EC2 Instance Connect
- EC2 Instance Connect
- Sign in [Jenkins]

Taskbar:

- Gmail
- YouTube
- Maps
- Sample Avro File
- How to create a Da...
- google cloud stor...
- Read AVRO messag...
- Quickstart: stream...
- Handling Avro files...
- python - Adding a...
- Adding timestamp...

Jenkins Pipeline Log:

```
PLAY [master task] ****
TASK [Gathering Facts] ****
ok: [localhost]
TASK [executing master.sh] ****
changed: [localhost]
PLAY [slave task] ****
TASK [Gathering Facts] ****
ok: [172.31.82.137]
ok: [172.31.85.228]
TASK [executing slave.sh] ****
changed: [172.31.85.228]
changed: [172.31.82.137]
PLAY RECAP ****
172.31.82.137      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.85.228      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
localhost          : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-31-95-66:~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
9bc6ea33f6844a03b17c112df73546e5 ✓
ubuntu@ip-172-31-95-66:~$ [ ]
```

Terminal Window:

```
i-01f33c33f662906dc (proj-M) ✓
Public IPs: 3.85.135.158 Private IPs: 172.31.95.66
```

System Bar:

- CloudShell
- Feedback
- Language
- © 2023, Amazon Web Services India Private Limited or its affiliates.
- Privacy
- Terms
- Cookie preferences

38°C Sunny 13:02
27-05-2023

Getting Started

Instance Configuration

Jenkins URL: ✓

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the `BUILD_URL` environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

Jenkins 2.406 Not now Save and Finish

Start Course | Intellipaat | Add webhook | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | Setup Wizard [Jenkins]

github.com/9949342177/website/settings/hooks/new

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

9949342177 / website Public

forked from hshar/website

Code Pull requests Actions Projects Wiki Security Insights Settings

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules Beta

Actions

Webhooks Beta

Environments

Codespaces

Pages

Secret

Webhooks / Add webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in our developer documentation.

Payload URL *

http://3.85.135.158:8080/github-webhook/

Content type

application/x-www-form-urlencoded

Secret

Which events would you like to trigger this webhook?

Just the push event.

Send me everything.

37°C Sunny 13:06 27-05-2023

The screenshot shows a Microsoft Edge browser window with multiple tabs open at the top, including "Instances | EC2 Manager", "EC2 Instance Connect", "EC2 Instance Connect", "Setup Wizard [Jenkins]", and others. The main content area is a GitHub repository settings page for "9949342177 / website".

The "Webhooks" section is highlighted, showing a single webhook entry:

- URL: <http://3.85.135.158:8080/github-webhook> (push)
- Buttons: "Edit" (highlighted with a red arrow) and "Delete"

The left sidebar lists other settings sections: General, Access, Collaborators, Moderation options, Code and automation (Branches, Tags, Rules, Actions), Webhooks (selected), Environments, Codespaces, Pages, and Security.

The bottom taskbar shows the Windows Start button, a search bar, and various pinned application icons. The system tray indicates the date as 27-05-2023 and time as 13:07.

Start Course | IntelliJ... X | Webhooks X | Instances | EC2 Man... X | EC2 Instance Connect X | EC2 Instance Connect X | EC2 Instance Connect X | Dashboard [Jenkins] X

Not secure | 3.85.135.158:8080

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Jenkins

Search (CTRL+K)

admin log out

Dashboard >

+ New Item Add description

People

Build History

Manage Jenkins

My Views

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



The screenshot shows the Jenkins interface for managing nodes. At the top, there's a navigation bar with links like 'Start Course | IntelliJ', 'Webhooks', 'Instances | EC2 Manager', 'EC2 Instance Connect', 'EC2 Instance Connect', 'Nodes [Jenkins]', and others. Below the navigation is a search bar and user authentication information ('admin' logged in). The main content area is titled 'Nodes' and displays a table of existing nodes. The table columns are: S, Name (sorted by name), Architecture, Clock Difference, Free Disk Space, Free Swap Space, Free Temp Space, and Response Time. One node, 'Data obtained', is listed with details: Linux (amd64), In sync, 4.51 GB free disk space, 0 B free swap space, 4.51 GB free temp space, 0ms response time, and 41 min since last check. A red arrow points from the left margin to the 'Nodes' tab in the sidebar. Another red arrow points from the right margin to the '+ New Node' button.

S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
1	Built-In Node	Linux (amd64)	In sync	4.51 GB	! 0 B	4.51 GB	0ms
	Data obtained	41 min	41 min	41 min	41 min	41 min	41 min



Screenshot of a Jenkins node configuration page. The URL is 3.85.135.158:8080/manage/computer/createItem. The page shows fields for Name (test), Description (empty), Number of executors (1), Remote root directory (/home/ubuntu/jenkins), and Labels (empty). A red box highlights the 'Remote root directory' field. A 'Save' button is at the bottom.

Start Course | IntelliJ IDEA | Webhooks | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | Jenkins

Not secure | 3.85.135.158:8080/manage/computer/createItem

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Jenkins

Dashboard > Manage Jenkins > Nodes >

Name ?
test

Description ?

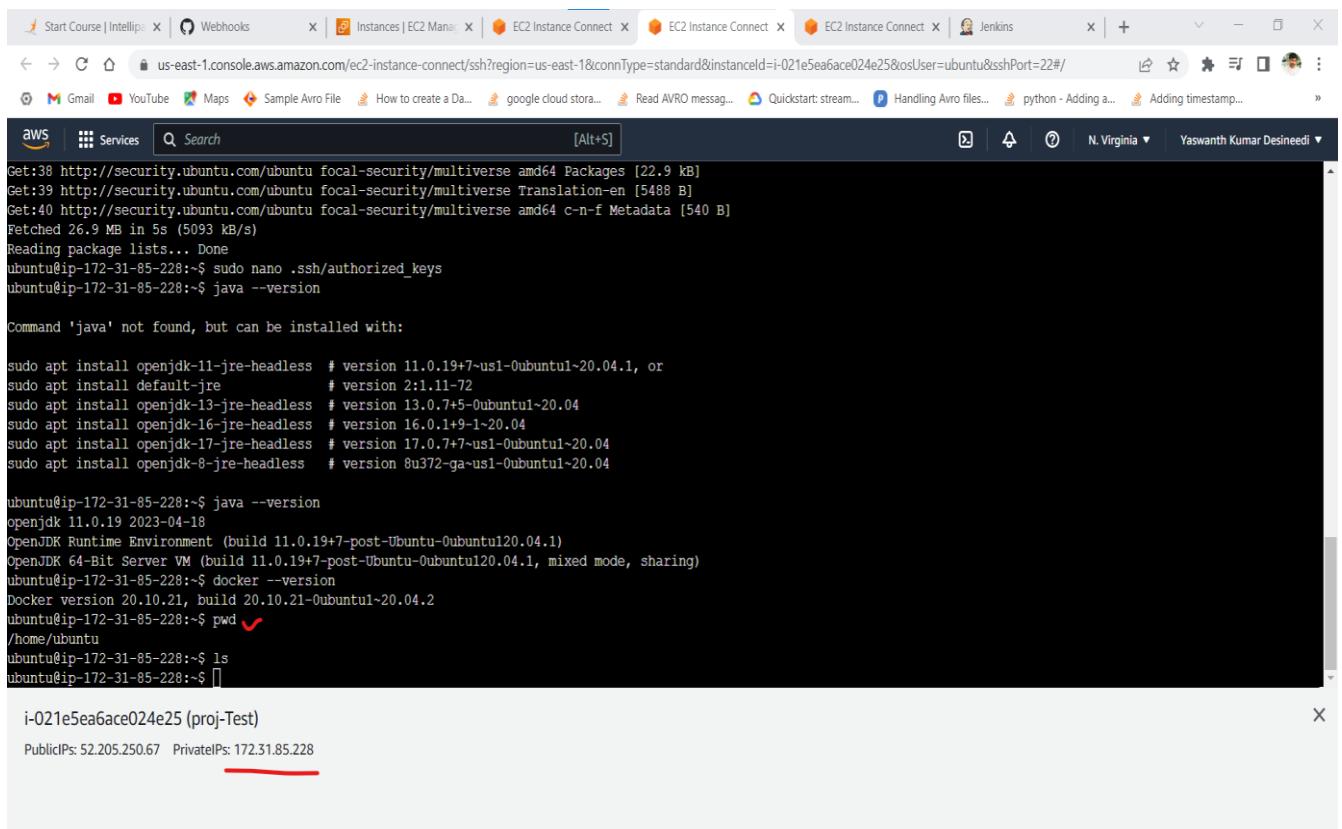
Plain text [Preview](#)

Number of executors ?
1

Remote root directory ?
/home/ubuntu/jenkins

Labels ?

Save



```
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.9 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5488 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (5093 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-85-228:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-85-228:~$ java --version
Command 'java' not found, but can be installed with:
sudo apt install openjdk-11-jre-headless # version 11.0.19+7~us1~Ubuntu1~20.04.1, or
sudo apt install default-jre # version 2:1.11-72
sudo apt install openjdk-13-jre-headless # version 13.0.7+5~Ubuntu1~20.04
sudo apt install openjdk-16-jre-headless # version 16.0.1+9-1-20.04
sudo apt install openjdk-17-jre-headless # version 17.0.7+7~us1~Ubuntu1~20.04
sudo apt install openjdk-8-jre-headless # version 8u372~ga~us1~Ubuntu1~20.04

ubuntu@ip-172-31-85-228:~$ java --version
openjdk 11.0.19 2023-04-18
OpenJDK Runtime Environment (Build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1)
OpenJDK 64-Bit Server VM (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1, mixed mode, sharing)
ubuntu@ip-172-31-85-228:~$ docker --version
Docker version 20.10.21, build 20.10.21~Ubuntu-0ubuntu1~20.04.2
ubuntu@ip-172-31-85-228:~$ pwd ✓
/home/ubuntu
ubuntu@ip-172-31-85-228:~$ ls
ubuntu@ip-172-31-85-228:~$
```

i-021e5ea6ace024e25 (proj-Test)

PublicIPs: 52.205.250.67 PrivateIPs: 172.31.85.228



Screenshot of a Jenkins node configuration page. The URL is 3.85.135.158:8080/manage/computer/createlnode. The page shows fields for Usage, Launch method, Host, Credentials, and Host Key Verification Strategy. A red checkmark is placed over the 'Host' field (172.31.85.228) and the 'Credentials' field (ubuntu). The 'Advanced' button is also highlighted with a red checkmark.

Usage ?
Use this node as much as possible

Launch method ?
Launch agents via SSH

Host ?
172.31.85.228

Credentials ?
ubuntu

Add ▾

Host Key Verification Strategy ?
Known hosts file Verification Strategy

Advanced ▾

Save

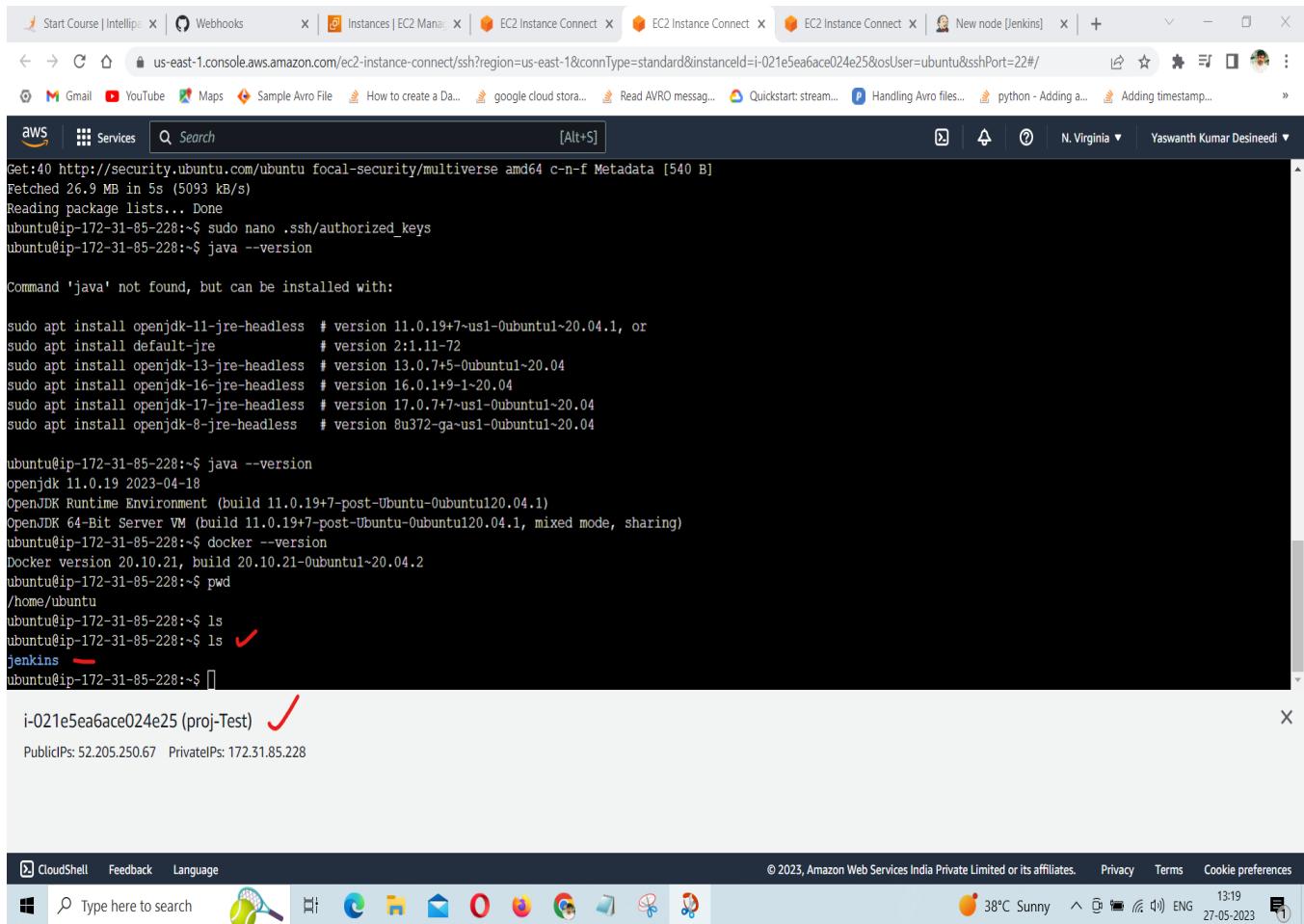
The screenshot shows a browser window with several tabs open. The active tab is 'Nodes [Jenkins]'. The page displays a table of nodes:

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
1	Built-In Node	Linux (amd64)	In sync	4.29 GB	! 0 B	4.29 GB	0ms
2	test	Linux (amd64)	In sync	5.07 GB	! 0 B	5.07 GB	76ms
	Data obtained	0.35 sec	0.36 sec	0.33 sec	0.3 sec	0.33 sec	0.31 sec

The screenshot shows the 'Nodes' page in Jenkins. The left sidebar includes sections for 'Clouds', 'Node Monitoring', 'Build Queue' (empty), and 'Build Executor Status' (listing 'Built-In Node' and 'test' both as 'Idle'). The main content area shows a table of nodes:

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
1	Built-In Node	Linux (amd64)	In sync	4.29 GB	! 0 B	4.29 GB	0ms
2	test	Linux (amd64)	In sync	5.07 GB	! 0 B	5.07 GB	76ms
	Data obtained	0.35 sec	0.36 sec	0.33 sec	0.3 sec	0.33 sec	0.31 sec





Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (5093 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-85-228:~\$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-85-228:~\$ java --version
Command 'java' not found, but can be installed with:
sudo apt install openjdk-11-jre-headless # version 11.0.19+7~us1~Ubuntu1~20.04.1, or
sudo apt install default-jre # version 2:1.11-72
sudo apt install openjdk-13-jre-headless # version 13.0.7+5~Ubuntu1~20.04
sudo apt install openjdk-16-jre-headless # version 16.0.1+9-1~20.04
sudo apt install openjdk-17-jre-headless # version 17.0.7+7~us1~Ubuntu1~20.04
sudo apt install openjdk-8-jre-headless # version 8u372~ga~us1~Ubuntu1~20.04

ubuntu@ip-172-31-85-228:~\$ java --version
openjdk 11.0.19 2023-04-18
OpenJDK Runtime Environment (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1)
OpenJDK 64-Bit Server VM (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1, mixed mode, sharing)
ubuntu@ip-172-31-85-228:~\$ docker --version
Docker version 20.10.21, build 20.10.21~Ubuntu1~20.04.2
ubuntu@ip-172-31-85-228:~\$ pwd
/home/ubuntu
ubuntu@ip-172-31-85-228:~\$ ls
ubuntu@ip-172-31-85-228:~\$ ls ✓
jenkins
ubuntu@ip-172-31-85-228:~\$

i-021e5ea6ace024e25 (proj-Test) ✓

PublicIPs: 52.205.250.67 PrivateIPs: 172.31.85.228



The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several pinned icons: Start Course | IntelliJ, Webhooks, Instances | EC2 Manager, EC2 Instance Connect (two instances), Jenkins, and a user profile icon. Below the taskbar is a search bar with the placeholder "Search [Alt+S]".

The main window is a terminal session titled "AWS Services". It displays a history of package installations from an Ubuntu archive:

```
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [25.0 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.3 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [354 kB]
Get:32 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [13.0 kB]
Get:33 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1770 kB]
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [249 kB]
Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [839 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [172 kB]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [17.8 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.9 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5488 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (4989 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-82-137:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-82-137:~$ java --version
openjdk 11.0.19 2023-04-18
OpenJDK Runtime Environment (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1)
OpenJDK 64-Bit Server VM (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1, mixed mode, sharing)
ubuntu@ip-172-31-82-137:~$ docker --version
Docker version 20.10.21, build 20.10.21-0ubuntu1~20.04.2
ubuntu@ip-172-31-82-137:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-82-137:~$ ls
ubuntu@ip-172-31-82-137:~$
```

Below the terminal window, the status bar shows the command "i-0a521cccd1813391a (proj-Prod)".

The taskbar at the bottom includes icons for CloudShell, Feedback, Language, a search bar, and various system icons. The system tray shows the date and time as "27-05-2023 13:20".

Start Course | IntelliJ IDEA | Webhooks | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | Jenkins

Not secure | 3.85.135.158:8080/manage/computer/createItem

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Dashboard > Manage Jenkins > Nodes >

Number of executors ?
1

Remote root directory ?
/home/ubuntu/jenkins/ 

Labels ?

Usage ?
Use this node as much as possible

Launch method ?
Launch agents via SSH

Host ?
172.31.82.137 

Credentials ?

Save

Type here to search  38°C Sunny 13:21 27-05-2023

Start Course | IntelliJ IDEA | Webhooks | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | Nodes [Jenkins] | + | - | X

Not secure | 3.85.135.158:8080/manage/computer/

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Jenkins

Search (CTRL+K) ? 1 admin log out

Dashboard > Manage Jenkins > Nodes >

Nodes

+ New Node

Nodes Clouds Node Monitoring

Build Queue No builds in the queue.

Build Executor Status

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
1	Built-In Node	Linux (amd64)	In sync	4.29 GB	0 B	4.29 GB	0ms
2	prod	Linux (amd64)	In sync	5.07 GB	0 B	5.07 GB	171ms
3	test	Linux (amd64)	In sync	5.07 GB	0 B	5.07 GB	66ms
	Data obtained	1.4 sec	1.4 sec	1.5 sec	1.5 sec	1.5 sec	1.4 sec

Built-In Node

1 Idle

2 Idle

prod

1 Idle

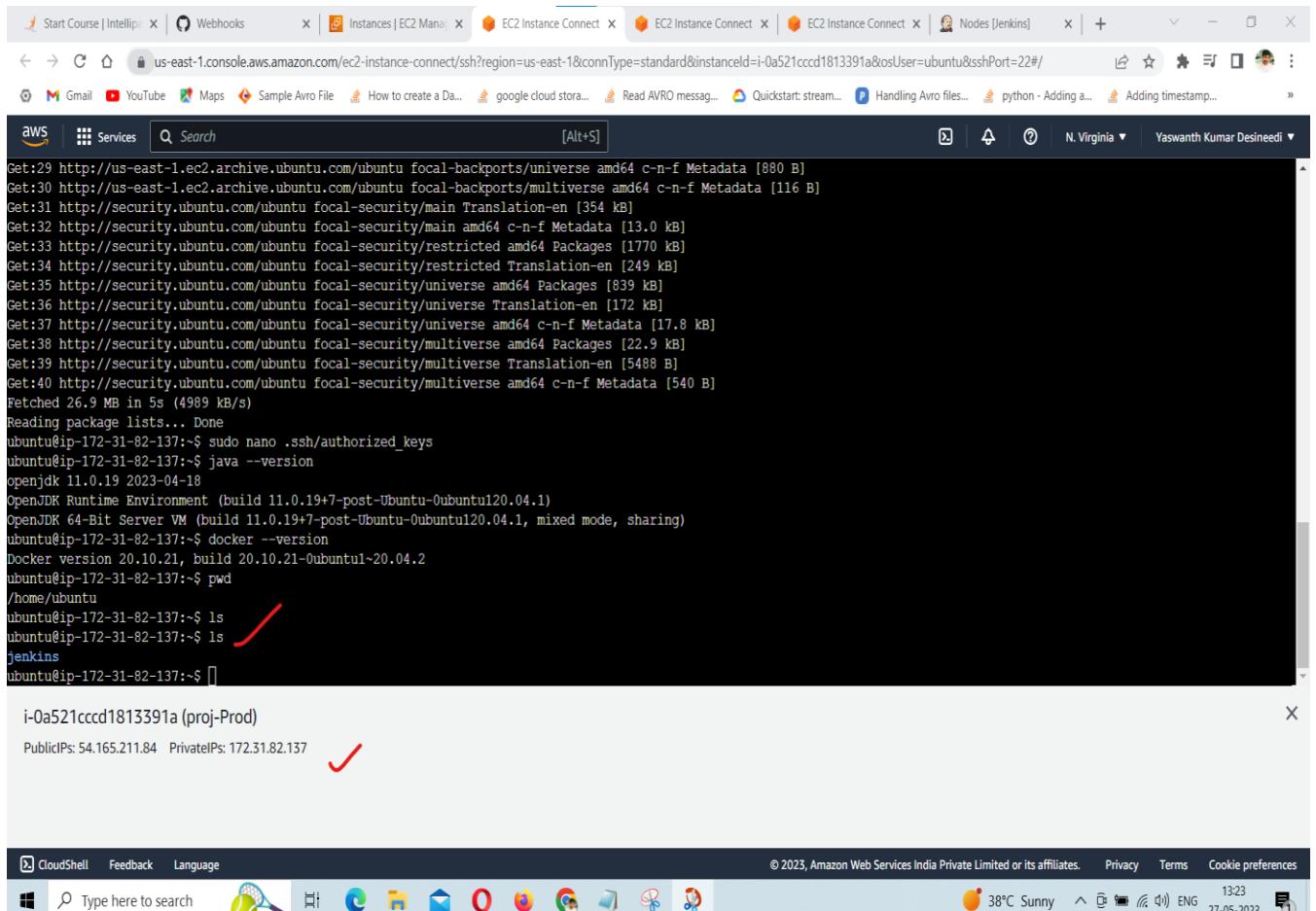
test

1 Idle

Type here to search

REST API Jenkins 2.406

38°C Sunny 13:23 27-05-2023



```
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [354 kB]
Get:32 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [13.0 kB]
Get:33 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1770 kB]
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [249 kB]
Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [839 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [172 kB]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [17.8 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.9 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5488 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (4989 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-82-137:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-82-137:~$ java --version
openjdk 11.0.19 2023-04-18
OpenJDK Runtime Environment (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1)
OpenJDK 64-Bit Server VM (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1, mixed mode, sharing)
ubuntu@ip-172-31-82-137:~$ docker --version
Docker version 20.10.21, build 20.10.21-0ubuntu1~20.04.2
ubuntu@ip-172-31-82-137:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-82-137:~$ ls
ubuntu@ip-172-31-82-137:~$ ls
jenkins
ubuntu@ip-172-31-82-137:~$ 
```

i-0a521cccd1813391a (proj-Prod)

PublicIPs: 54.165.211.84 PrivateIPs: 172.31.82.137

S Start Course | IntelliJ IDEA | Webhooks | Instances | EC2 Manag... | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | job1 Config [Jenkins] | + | - | X

Not secure | 3.85.135.158:8080/job/job1/configure

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Dashboard > job1 > Configuration

Configure

Plain text Preview

General

Discard old builds ?

Source Code Management

GitHub project

Build Triggers

This project is parameterized ?

Build Environment

Throttle builds ?

Build Steps

Execute concurrent builds if necessary ?

Post-build Actions

Restrict where this project can be run ?

Label Expression ?

test

Label test matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Advanced ▾

Source Code Management

Save Apply

Type here to search

INR/USD +0.25% 13:31 27-05-2023

The screenshot shows a Windows desktop environment with a taskbar at the bottom. The taskbar icons include the Start button, a search bar, and various pinned applications like File Explorer, Edge, Mail, and File Explorer. The system tray shows the date (27-05-2023), time (13:32), battery level (37°C), and network status.

The main window is a GitHub repository page for '9949342177 / website'. The repository is public and was forked from 'hshar/website'. It has 2 branches and 0 tags. The master branch is selected. A modal window is open over the repository page, showing cloning options: Local (selected), Codespaces (New), HTTPS (selected), SSH, and GitHub CLI. The HTTPS URL is <https://github.com/9949342177/website.git>. Below the cloning options, there are links to 'Open with GitHub Desktop' and 'Download ZIP'. The repository page also includes sections for About, Releases, Packages, and Languages.

S Start Course | IntelliJ IDEA | 9949342177/website | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | job1 Config [Jenkins] + - ×

Not secure | 3.85.135.158:8080/job/job1/configure

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Dashboard > job1 > Configuration

Configure

General Source Code Management (selected) Build Triggers Build Environment Build Steps Post-build Actions

Repository URL: https://github.com/9949342177/website.git ✓

Credentials: - none - Add Advanced Add Repository

Branches to build: Branch Specifier (blank for 'any'): */develop ✓

Add Branch Save Apply

Type here to search Hot weather ENG 13:32 27-05-2023

The screenshot shows the Jenkins configuration page for a job named 'job1'. The 'Source Code Management' section is selected. The 'Repository URL' field contains 'https://github.com/9949342177/website.git' with a red checkmark. The 'Branches to build' section has a 'Branch Specifier' field containing '*/develop' with a red checkmark. At the bottom, there are 'Save' and 'Apply' buttons.

Screenshot of a Jenkins job configuration page titled "Configure". The "Build Triggers" section is active, showing several trigger options:

- Trigger builds remotely (e.g., from scripts) ?
- Build after other projects are built ?
- Build periodically ?
- GitHub hook trigger for GITScm polling ? ✓
- Poll SCM ?

The "Build Environment" section contains the following build environment options:

- Delete workspace before build starts
- Use secret text(s) or file(s) ?
- Add timestamps to the Console Output
- Inspect build log for published build scans
- Terminate a build if it's stuck
- With Ant ?

The "Build Steps" section includes a toolbar with "Save" (highlighted with a red arrow) and "Apply" buttons, and a search bar.

System tray icons include a magnifying glass, file, mail, browser, and others. Weather information shows 37°C Sunny. The date and time are 27-05-2023 13:33.

The screenshot shows a Windows desktop environment. At the top, there is a browser window with multiple tabs open, including "Start Course | IntelliJ IDEA", "9949342177/website", "Instances | EC2 Manag...", "EC2 Instance Connect", "EC2 Instance Connect", and "job1 [Jenkins]". The address bar indicates the site is not secure (https://3.85.135.158:8080/job/job1/). The browser toolbar includes icons for back, forward, search, and user profile.

The main content area displays the Jenkins interface for a project named "job1". The title bar says "Project job1". On the left, there is a sidebar with various options: Status, Changes, Workspace, Build Now (which is highlighted with a red arrow), Configure, Delete Project, GitHub Hook Log, and Rename. To the right of the sidebar, there is a "Permalinks" section and a "Disable Project" button. A "Build History" section shows one build entry from May 27, 2023, at 8:03 AM, which is also highlighted with a red arrow. Below the build history, there are links for "Atom feed for all" and "Atom feed for failures".

At the bottom of the screen, the Windows taskbar is visible. It features the Start button, a search bar with the placeholder "Type here to search", and several pinned icons for applications like File Explorer, Mail, and Google Chrome. On the far right of the taskbar, there is a system tray showing the date (27-05-2023), time (13:34), battery status (ENG), signal strength, and weather information (37°C Sunny).

Start Course | IntelliJ IDEA | 9949342177/website | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | job1 [Jenkins] | + | - | X

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-021e5ea6ace024e25&osUser=ubuntu&sshPort=22#/
Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

aws Services Search [Alt+S]

ubuntu@ip-172-31-85-228:~\$ docker --version
Docker version 20.10.21, build 20.10.21-0ubuntu1~20.04.2
ubuntu@ip-172-31-85-228:~\$ pwd
/home/ubuntu
ubuntu@ip-172-31-85-228:~\$ ls
ubuntu@ip-172-31-85-228:~\$ ls
jenkins
ubuntu@ip-172-31-85-228:~\$ cd /jenkins
-bash: cd: /jenkins: No such file or directory
ubuntu@ip-172-31-85-228:~\$ vd jenkins/
Command 'vd' not found, but can be installed with:
sudo apt install visidata
ubuntu@ip-172-31-85-228:~\$ cd jenkins/
ubuntu@ip-172-31-85-228:~/jenkins\$ ls ✓
remoting remoting.jar ✓
ubuntu@ip-172-31-85-228:~/jenkins\$ ls ✓
remoting remoting.jar workspace
ubuntu@ip-172-31-85-228:~/jenkins\$ cd workspace/
ubuntu@ip-172-31-85-228:~/jenkins/workspace\$ ls
job1
ubuntu@ip-172-31-85-228:~/jenkins/workspace\$ cd job1
ubuntu@ip-172-31-85-228:~/jenkins/workspace/job1\$ ls ✓
Dockerfile images index.html
ubuntu@ip-172-31-85-228:~/jenkins/workspace/job1\$

i-021e5ea6ace024e25 (proj-Test) ✓
PublicIPs: 52.205.250.67 PrivateIPs: 172.31.85.228

CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences
Type here to search 37°C Sunny 13:35
ENG 27-05-2023

Start Course | IntelliJ IDEA | 9949342177/website | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | job1 Config [Jenkins] | + | - | X

Not secure | 3.85.135.158:8080/job/job1/configure

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Dashboard > job1 > Configuration

Configure

Delete workspace before build starts
 Use secret text(s) or file(s) ?
 Add timestamps to the Console Output
 Inspect build log for published build scans
 Terminate a build if it's stuck
 With Ant ?

General
 Source Code Management
 Build Triggers
 Build Environment
 Build Steps
 Post-build Actions

Build Steps

Execute shell ? ✓

Command
See [the list of available environment variables](#)

```
sudo docker build
```

Save Apply

Type here to search

37°C Sunny 13:39 27-05-2023

The screenshot shows a browser window with multiple tabs open. The active tab is a CloudShell terminal session on an EC2 instance. The terminal output is as follows:

```
ubuntu@ip-172-31-85-228:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-85-228:~$ ls
ubuntu@ip-172-31-85-228:~$ ls
jenkins
ubuntu@ip-172-31-85-228:~$ cd /jenkins
-bash: cd: /jenkins: No such file or directory
ubuntu@ip-172-31-85-228:~$ vd jenkins/
Command 'vd' not found, but can be installed with:
sudo apt install visidata

ubuntu@ip-172-31-85-228:~$ cd jenkins/
ubuntu@ip-172-31-85-228:~/jenkins$ ls
remoting  remoting.jar
ubuntu@ip-172-31-85-228:~/jenkins$ ls
remoting  remoting.jar  workspace
ubuntu@ip-172-31-85-228:~/jenkins$ cd workspace/
ubuntu@ip-172-31-85-228:~/jenkins/workspace$ ls
job1
ubuntu@ip-172-31-85-228:~/jenkins/workspace$ cd job1
ubuntu@ip-172-31-85-228:~/jenkins/workspace/job1$ ls
Dockerfile  images  index.html
ubuntu@ip-172-31-85-228:~/jenkins/workspace/job1$ pwd ✓
/home/ubuntu/jenkins/workspace/job1
ubuntu@ip-172-31-85-228:~/jenkins/workspace/job1$ []
```

Below the terminal, a Jenkins job configuration is shown:

i-021e5ea6ace024e25 (proj-Test) ✓
Public IPs: 52.205.250.67 Private IPs: 172.31.85.228

The status bar at the bottom of the browser window includes:

- CloudShell
- Feedback
- Language
- © 2023, Amazon Web Services India Private Limited or its affiliates.
- Privacy
- Terms
- Cookie preferences
- 37°C Sunny
- 13:40
- 27-05-2023

Start Course | Intellipaat | 9949342177/website | Instances | EC2 Manager | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | job1 Config [Jenkins]

Not secure | 3.85.135.158:8080/job/job1/configure

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Dashboard > job1 > Configuration

Configure

Delete workspace before build starts

Use secret text(s) or file(s) ?

Add timestamps to the Console Output

Inspect build log for published build scans

Terminate a build if it's stuck

With Ant ?

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Build Steps

≡ Execute shell ?

Command

See [the list of available environment variables](#)

```
sudo docker build /home/ubuntu/jenkins/workspace/job1/ -t j1
sudo docker run -itd -p 83:80 --name=c1 j1
```

Save Apply

Windows Start Type here to search 37°C Sunny 13:44 27-05-2023

The screenshot shows a Windows desktop environment with a Jenkins project page open in a browser window and various system icons on the taskbar.

Browser Taskbar:

- Start Course | IntelliJ
- 9949342177/website
- Instances | EC2 Manager
- EC2 Instance Connect
- EC2 Instance Connect
- job1 [Jenkins]

Jenkins Project Page:

Not secure | 3.85.135.158:8080/job/job1/

Dashboard > job1 >

Project job1

Status Changes Workspace Build Now Configure Delete Project GitHub Hook Log Rename Add description Disable Project

Permalinks

- Last build (#1), 10 min ago
- Last stable build (#1), 10 min ago
- Last successful build (#1), 10 min ago
- Last completed build (#1), 10 min ago

Build History trend ▾

Filter builds... /

#2 May 27, 2023, 8:14 AM

#1 May 27, 2023, 8:03 AM

Taskbar:

- Type here to search
- File Explorer
- Task View
- File
- Open
- Save
- Print
- Share
- Help
- System

40°C Sunny 13:45 ENG 27-05-2023

```
ubuntu@ip-172-31-85-228:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-85-228:~$ ls
ubuntu@ip-172-31-85-228:~$ ls
jenkins
ubuntu@ip-172-31-85-228:~$ cd /jenkins
-bash: cd: /jenkins: No such file or directory
ubuntu@ip-172-31-85-228:~$ vd jenkins

Command 'vd' not found, but can be installed with:

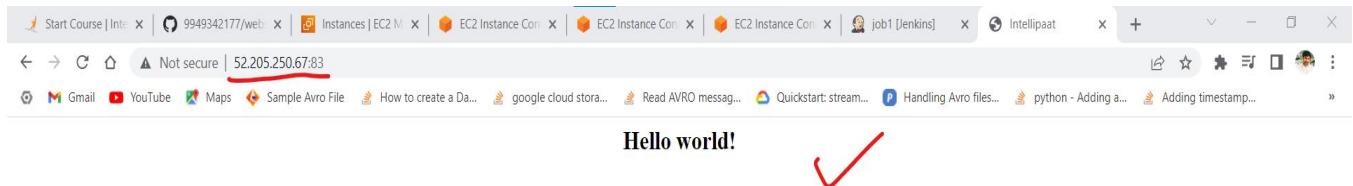
sudo apt install visidata

ubuntu@ip-172-31-85-228:~$ cd jenkins/
ubuntu@ip-172-31-85-228:~/jenkins$ ls
remoting  remoting.jar
ubuntu@ip-172-31-85-228:~/jenkins$ ls
remoting  remoting.jar workspace
ubuntu@ip-172-31-85-228:~/jenkins/workspace$ cd workspace/
ubuntu@ip-172-31-85-228:~/jenkins/workspace$ ls
job1
ubuntu@ip-172-31-85-228:~/jenkins/workspace$ cd job1
ubuntu@ip-172-31-85-228:~/jenkins/workspace/job1$ ls
Dockerfile  images  index.html
ubuntu@ip-172-31-85-228:~/jenkins/workspace/job1$ pwd
/home/ubuntu/jenkins/workspace/job1
ubuntu@ip-172-31-85-228:~/jenkins/workspace/job1$ 
```

i-021e5ea6ace024e25 (proj-Test) ✓
Public IPs: 52.205.250.67 Private IPs: 172.31.85.228

CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

USD/INR -0.20% 13:46 27-05-2023



GitHub



The screenshot shows a web browser window with several tabs open at the top, including "Start Course | Intellipaat", "9949342177/webs...", "Instances | EC2 M...", "EC2 Instance Con...", "EC2 Instance Con...", "job1 [Jenkins]", "Intellipaat", and "Intelli...". The address bar indicates the URL is "Not secure | 3.85.135.158:8080/job/job1/". Below the tabs, the page content is as follows:

Jenkins

Dashboard > job1 >

Project job1

Status Changes Workspace Build Now (highlighted with a red arrow) Configure Delete Project GitHub Hook Log Rename Add description Disable Project

Permalinks

- Last build (#1), 10 min ago
- Last stable build (#1), 10 min ago
- Last successful build (#1), 10 min ago
- Last completed build (#1), 10 min ago

Build History trend ▾

Filter builds... /

May 27, 2023, 8:19 AM (red circle icon) May 27, 2023, 8:14 AM (green circle icon)

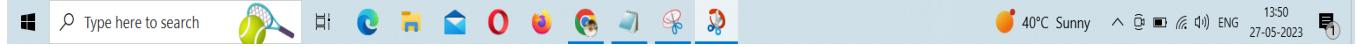
Type here to search

Near record 13:49 ENG 27-05-2023

The screenshot shows the Jenkins job configuration interface for a job named 'job1'. The 'Build Steps' section is currently selected. It contains a single step named 'Execute shell' with the following command:

```
sudo docker rm -f c1
sudo docker build /home/ubuntu/jenkins/workspace/job1/ -t j1
sudo docker run -itd -p 83:80 --name=c1 j1
```

The 'Save' button at the bottom of the step is highlighted with a red arrow.



Start Course | Inte | 9949342177/web | Instances | EC2 M | EC2 Instance Con | EC2 Instance Con | job1 [Jenkins] | Intelliapatt | Not secure | 3.85.135.158:8080/job/job1/

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Jenkins

Dashboard > job1 >

Status Changes Add description

Workspace Build Now Disable Project

Configure Delete Project GitHub Hook Log Rename

Project job1

Permalinks

- Last build (#3), 2 min 25 sec ago
- Last stable build (#2), 6 min 33 sec ago
- Last successful build (#2), 6 min 33 sec ago
- Last failed build (#3), 2 min 25 sec ago
- Last unsuccessful build (#3), 2 min 25 sec ago
- Last completed build (#3), 2 min 25 sec ago

Build History trend ▾

Filter builds... /

#4 May 27, 2023, 8:21 AM

#3 May 27, 2023, 8:19 AM

Type here to search

40°C Sunny 13:51 27-05-2023

Screenshot of a GitHub repository page for '9949342177 / website' (Public). The repository was forked from 'hshar/website'. The 'Code' tab is selected, showing the 'develop' branch. A red arrow points to the 'develop' dropdown menu. The branch is 1 commit ahead of 'hshar:master'. The commit history shows three commits:

- 9949342177 Create Dockerfile (87b843b, 1 hour ago)
- images final (4 years ago)
- Dockerfile Create Dockerfile (1 hour ago)
- index.html modified (4 years ago)

The repository has 2 branches and 0 tags. It includes sections for About, Releases, Packages, and Languages. The Windows taskbar at the bottom shows various pinned icons and the system tray.

Start Course | Intellipaat | website/index.htm | Instances | EC2 M | EC2 Instance Con | EC2 Instance Con | EC2 Instance Con | job1 [Jenkins] | Intellipaat

github.com/9949342177/website/blob/develop/index.html

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

9949342177 / website Public

forked from hshar/website

Code Pull requests Actions Projects Wiki Security Insights Settings

website / index.html

Ubuntu modified 883b439 · 4 years ago History

Code Blame 8 lines (8 loc) · 193 Bytes

```
1 <html>
2 <head>
3 <title> Intellipaat </title>
4 </head>
5 <body style = "background-image:url('images/github3.jpg'); background-size: 100%">
6 <h2 ALIGN=CENTER>Hello world!</h2>
7 </body>
8 </html>
```

Type here to search

40°C Sunny 13:55 27-05-2023

The screenshot shows a Windows desktop environment with a taskbar at the bottom. The taskbar includes icons for File Explorer, Edge browser, Mail, File Explorer, Task View, Task Manager, and a search bar. The system tray shows the date (27-05-2023), time (13:56), battery level (40°C), and network status (Sunny).

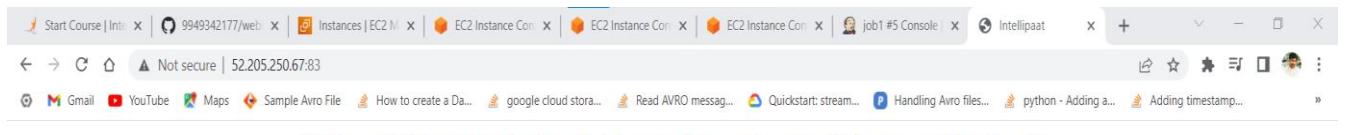
The main window is a GitHub repository for '9949342177 / website'. The repository is public and forked from 'hshar/website'. The 'Code' tab is selected, showing the 'index.html' file. The code editor displays the following HTML:

```
1 <html>
2 <head>
3 <title> Intellipaat </title>
4 </head>
5 <body style = "background-image:url('images/github3.jpg'); background-size: 100%">
6 <h2 ALIGN=CENTER>Hello world! from develop brach (changes done automatically by committing in git)</h2>
7 </body>
8 </html>
```

The 'Commit changes...' button in the top right corner of the code editor is highlighted with a red arrow. Another red arrow points from this highlighted button to the 'Commit changes...' button in the status bar at the bottom right of the screen.

The screenshot shows a Windows desktop environment with a browser window open to a Jenkins console output page. The browser tab bar includes links like 'Start Course | Intellipaat', '9949342177/webs...', 'Instances | EC2 M...', 'EC2 Instance Con...', 'EC2 Instance Con...', 'job1 #5 Console', 'Intellipaat', and several others related to AWS and Python. The Jenkins page itself has a navigation bar with 'Dashboard > job1 > #5 > Console Output'. The main content area is titled 'Console Output' with a green checkmark icon. It displays the build log for job1#5, starting with 'Started by GitHub push by 9949342177 ✓' and 'Running as SYSTEM'. The log continues with various git commands, Docker commands, and file operations, ending with 'Sending build context to Docker daemon 265.7kB'. The Windows taskbar at the bottom shows the Start button, a search bar, pinned icons for File Explorer, Mail, and Edge, and system status icons for weather (40°C Sunny), battery (1357), and date (27-05-2023).

```
Started by GitHub push by 9949342177 ✓
Running as SYSTEM
Building remotely on test in workspace /home/ubuntu/jenkins/workspace/job1
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /home/ubuntu/jenkins/workspace/job1/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/9949342177/website.git # timeout=10
Fetching upstream changes from https://github.com/9949342177/website.git
> git --version # timeout=10
> git --version # 'git version 2.25.1'
> git fetch -t --force --progress -- https://github.com/9949342177/website.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/develop^{commit} # timeout=10
Checking out Revision 4f9f95e0a95bf044fa02a44b044e45942aa28f42 (refs/remotes/origin/develop)
> git config core.sparsecheckout # timeout=10
> git checkout -f 4f9f95e0a95bf044fa02a44b044e45942aa28f42 # timeout=10
Commit message: "Update index.html"
> git rev-list --no-walk 87b843bd513137b49a3890724ea1d7b7b9b838af # timeout=10
[job1] $ /bin/sh -xe /tmp/jenkins8670847619487214989.sh
+ sudo docker rm -f c1
c1
+ sudo docker build /home/ubuntu/jenkins/workspace/job1/ -t j1
Sending build context to Docker daemon 265.7kB
```



Hello world! from develop brach (changes done automatically by committing in git)



GitHub



Screenshot of a Jenkins job configuration page for 'job2' under 'Configuration'.

The 'Restrict where this project can be run' checkbox is checked, and the 'Label Expression' field contains 'test'. A red checkmark is placed over the 'test' entry in the dropdown menu.

The 'Source Code Management' section shows 'None' selected.

At the bottom, there are 'Save' and 'Apply' buttons.

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Label Expression

test

Label test matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Source Code Management

None

Git

Save

Apply

Screenshot of a Jenkins job configuration page titled "Configure".

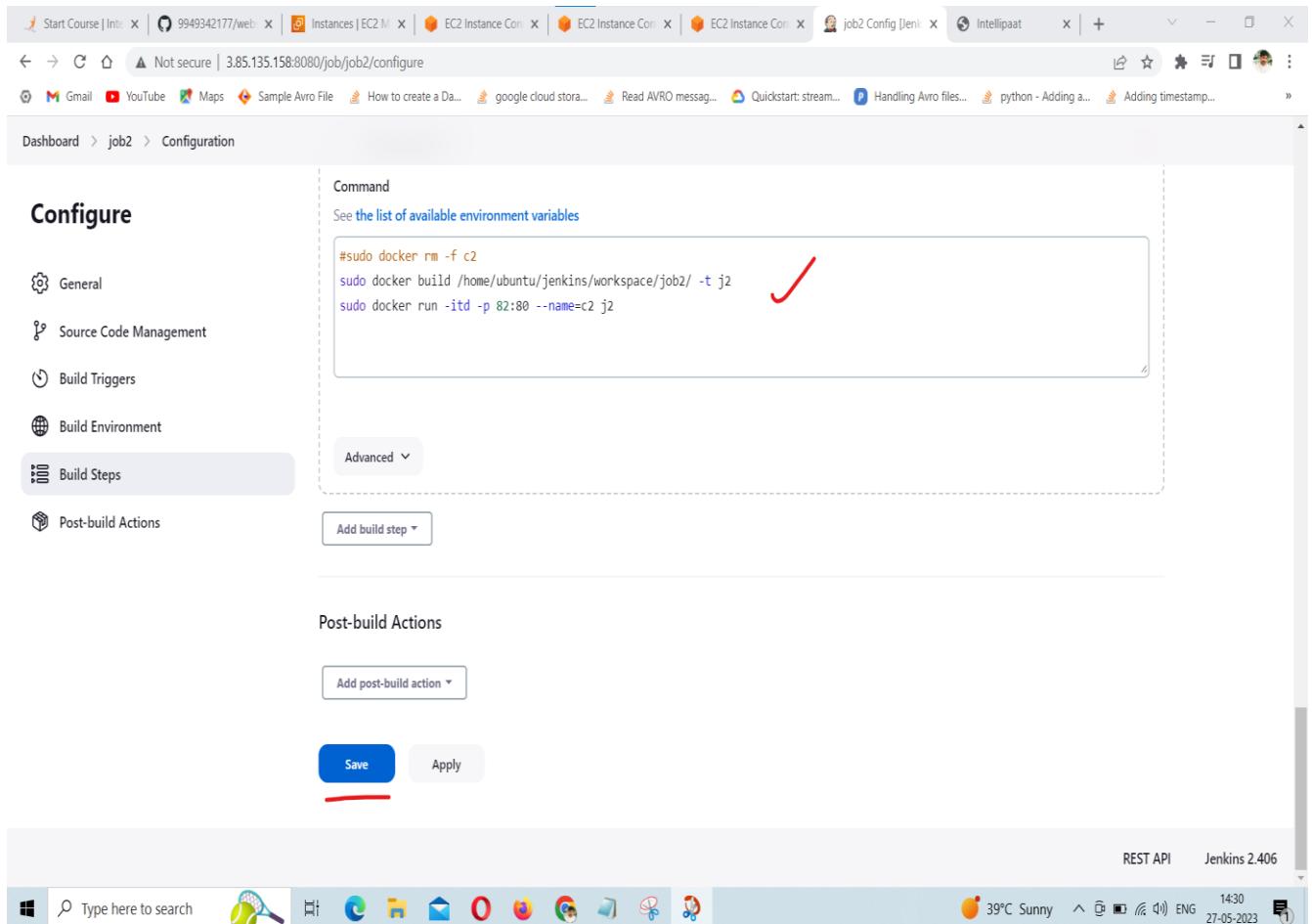
The left sidebar shows navigation: Dashboard > job2 > Configuration.

The main configuration area includes:

- Repository URL:** https://github.com/9949342177/website.git (marked with a red checkmark)
- Credentials:** - none - (dropdown menu with "Add" button)
- Advanced:** (dropdown menu with "Add Repository" button)
- Branches to build:**
 - Branch Specifier (blank for 'any'):** */master (marked with a red checkmark)
 - Add Branch:** (button)

At the bottom are "Save" and "Apply" buttons.





The screenshot shows the Jenkins interface for configuring a job named "job2". The left sidebar lists configuration sections: General, Source Code Management, Build Triggers, Build Environment, **Build Steps** (selected), and Post-build Actions. The main area displays a "Command" section with the following script:

```
#sudo docker rm -f c2
sudo docker build /home/ubuntu/jenkins/workspace/job2/ -t j2
sudo docker run -itd -p 82:80 --name=c2 j2
```

A red checkmark is placed next to the third line of the command. Below the command is an "Advanced" dropdown and a "Save" button with a red underline.

The "Post-build Actions" section contains a "Add post-build action" button. At the bottom right of the configuration screen, there are "Save" and "Apply" buttons.

At the very bottom of the image, a Windows taskbar is visible, showing icons for File Explorer, Edge, Mail, and others, along with the date and time (27-05-2023) and system status.

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several open tabs and icons. The tabs include "Start Course", "9949342177/...", "Instances | EC", "EC2 Instance", "EC2 Instance", "job2 [Jenkins]", "Intellipaat", and "Intellipaat". The "job2 [Jenkins]" tab is active. Below the taskbar is a browser window for Jenkins. The title bar says "Jenkins". The main content area shows a project named "job2". On the left, there is a sidebar with options: "Status" (selected), "Changes", "Workspace", "Build Now" (highlighted in red), "Configure", "Delete Project", "GitHub Hook Log", and "Rename". To the right of the sidebar, the page title is "Project job2". Below the title, there is a section titled "Permalinks" with a bulleted list of build links. At the bottom of the Jenkins page, there is a "Build History" section showing two builds: "#2" from May 27, 2023, at 9:02 AM, and "#1" from May 27, 2023, at 9:01 AM. The Jenkins logo is visible on the right side of the browser window. At the very bottom of the screen is the Windows taskbar, which includes a search bar, pinned application icons (File Explorer, Edge, Mail, etc.), and system status indicators (weather, battery, date/time).

Not secure | 3.85.135.158:8080/job/job2/

Gmail Open the home page Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Jenkins

Search (CTRL+K)

Dashboard > job2 >

Status Changes Workspace Build Now Configure Delete Project GitHub Hook Log Rename

Add description Disable Project

Project job2

Permalinks

- Last build (#1), 1 min 2 sec ago
- Last stable build (#1), 1 min 2 sec ago
- Last successful build (#1), 1 min 2 sec ago
- Last completed build (#1), 1 min 2 sec ago

Build History trend ▾

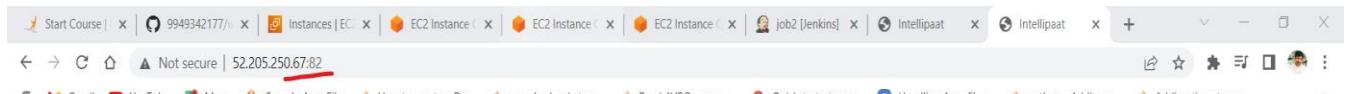
Filter builds... /

#2 May 27, 2023, 9:02 AM

#1 May 27, 2023, 9:01 AM

Type here to search

39°C Sunny 14:32 27-05-2023



Hello world!



GitHub



Screenshot of a GitHub repository page for a website.

The repository is named [9949342177 / website](#) (Public) and is forked from [hshar/website](#).

The code editor shows the file `index.html` in the `master` branch. The code content is:

```
1 <html>
2 <head>
3 <title> Intellipaat </title>
4 </head>
5 <body style = "background-image:url('images/github3.jpg'); background-size: 100%">
6 <h2 ALIGN=“CENTER>Hello world! from master</h2>
7 </body>
8 </html>
9
```

The `Commit changes...` button is highlighted with a red box.



Screenshot of a Jenkins configuration page for a job named "job3". The "Configuration" tab is selected. A red arrow points to the "Configuration" tab in the breadcrumb navigation.

Configure

General (selected)

- GitHub project
- This project is parameterized ?
- Throttle builds ?
- Execute concurrent builds if necessary ?
- Restrict where this project can be run ?
Label Expression ?
prod ✓

Label prod matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Source Code Management

- None
- Git ?

Save **Apply**

Windows taskbar at the bottom:

- Type here to search
- Icons for File Explorer, Mail, Edge, Opera, Google Chrome, Microsoft Edge, and others.
- System tray icons: battery (39°C), signal strength, network, volume, and date/time (27-05-2023, 14:40).

Screenshot of a web-based configuration interface for a build job named "job3". The interface is titled "Configuration" and shows the "Source Code Management" tab selected. The "Repository URL" field contains "https://github.com/9949342177/website.git" with a red checkmark. The "Branches to build" field contains "*/*master" with a red checkmark. The interface includes sections for "General", "Build Triggers", "Build Environment", "Build Steps", and "Post-build Actions". At the bottom, there are "Save" and "Apply" buttons.

Start Course | 994934217 | Instances | EC2 Instances | EC2 Instances | EC2 Instances | job2 Config | job3 Config | Intellipaat | Intellipaat | +

Not secure | 3.85.135.158:8080/job/job3/configure

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Dashboard > job3 > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Repository URL ?

https://github.com/9949342177/website.git ✓

Credentials ?

- none -

Add Advanced

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

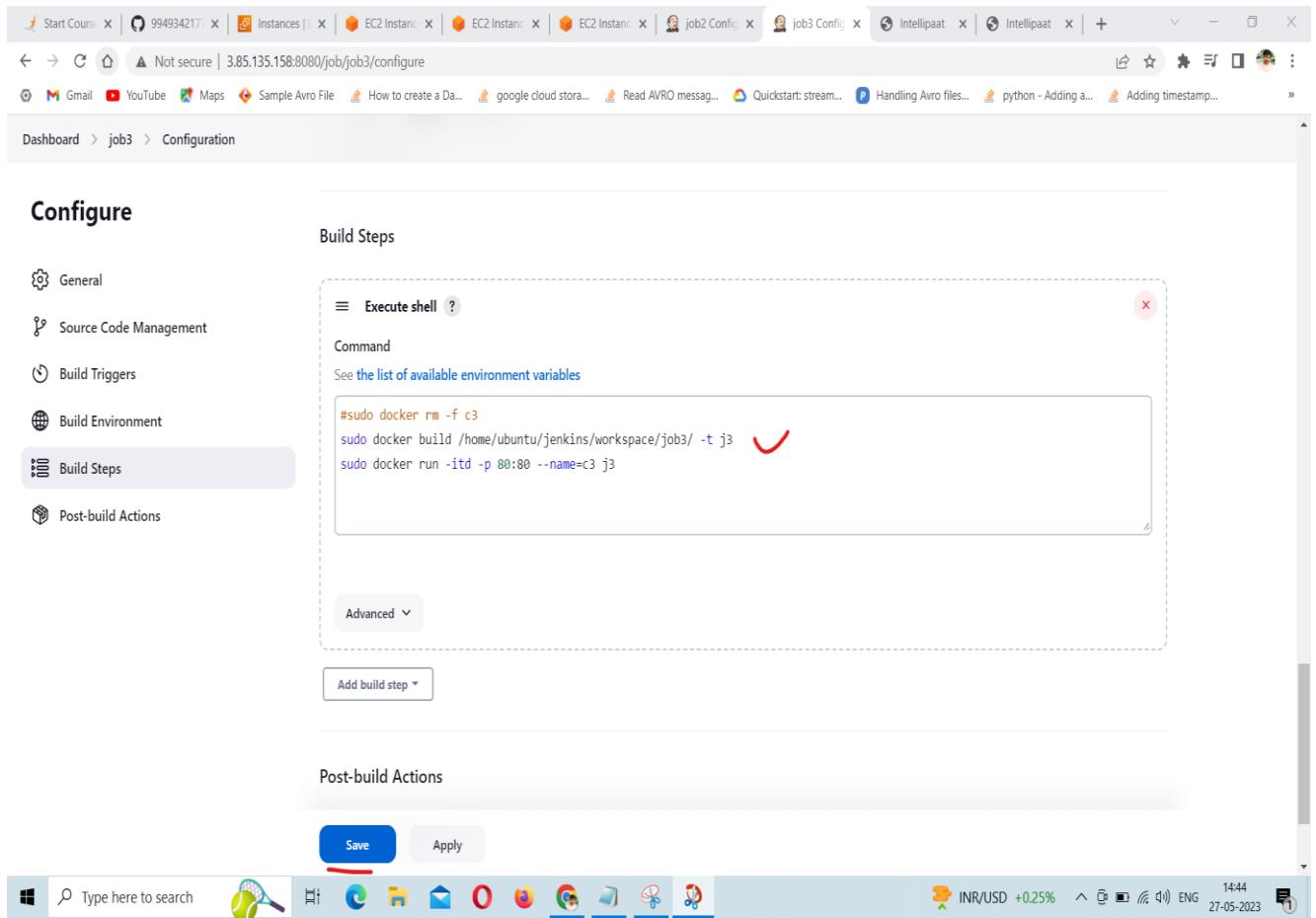
*/*master ✓

Add Branch

Save Apply

Type here to search

40°C Mostly sunny 14:42 27-05-2023 ENG

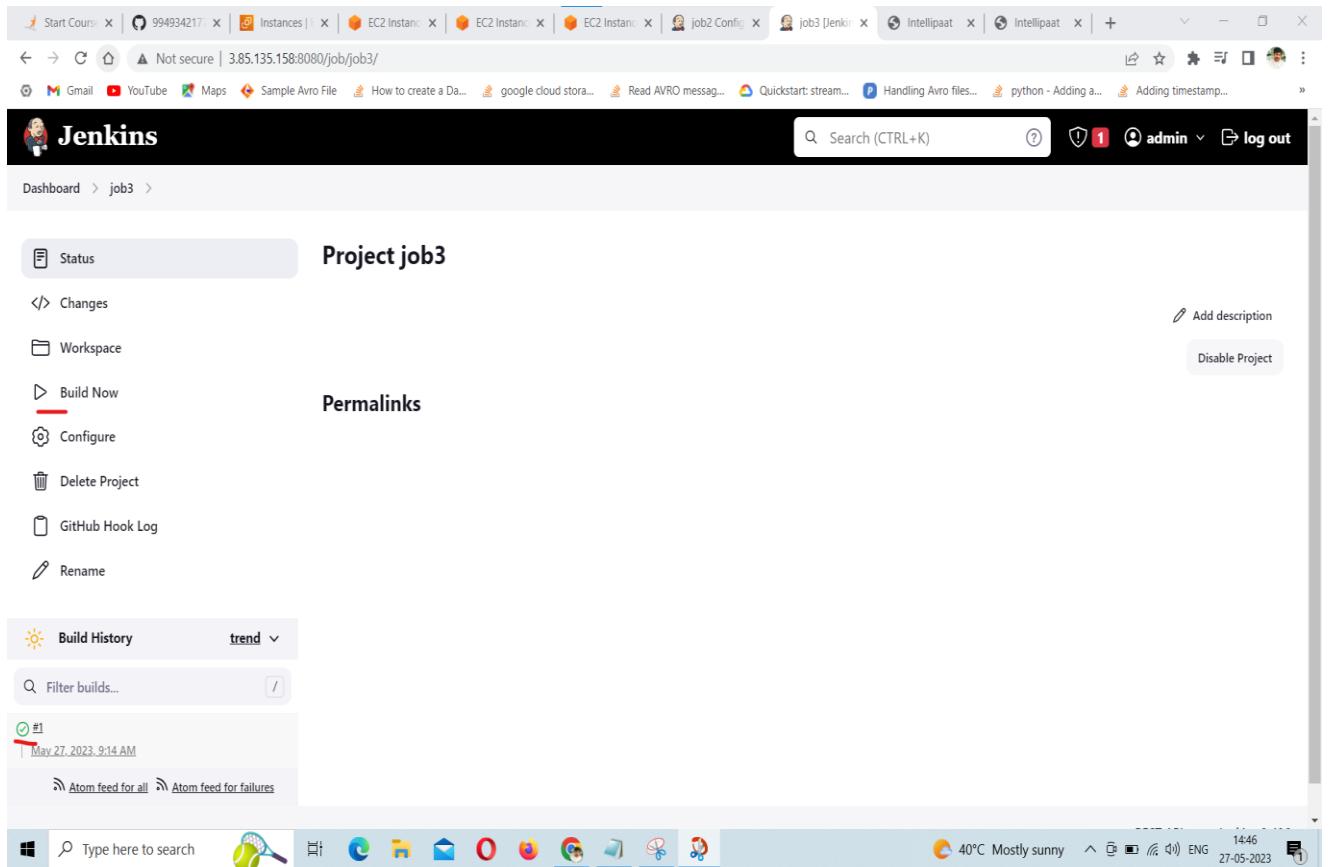


The screenshot shows the Jenkins interface for configuring a job named 'job3'. The left sidebar lists configuration sections: General, Source Code Management, Build Triggers, Build Environment, **Build Steps**, and Post-build Actions. The 'Build Steps' section is active, displaying an 'Execute shell' step. The command entered is:

```
#sudo docker rm -f c3  
sudo docker build /home/ubuntu/jenkins/workspace/job3/ -t j3  
sudo docker run -itd -p 80:80 --name=c3 j3
```

A red checkmark is placed next to the third line of the command. Below the command is an 'Advanced' dropdown and a 'Save' button at the top of the build step panel.

The Windows taskbar at the bottom of the screen includes icons for File Explorer, Edge browser, File Manager, Mail, Task View, Taskbar settings, and a search bar. The system tray shows the date (27-05-2023), time (14:44), battery status (1%), and a notification icon.



Start Course x | 994934217 x | Instances x | EC2 Instances x | EC2 Instances x | job2 Config x | job3 Jenkins x | Intellipaat x | Intellipaat x | +

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0a521cccd1813391a&osUser=ubuntu&sshPort=22#

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

aws Services Search [Alt+S]

[Alt+S]

N. Virginia ▾ Yaswanth Kumar Desineedi ▾

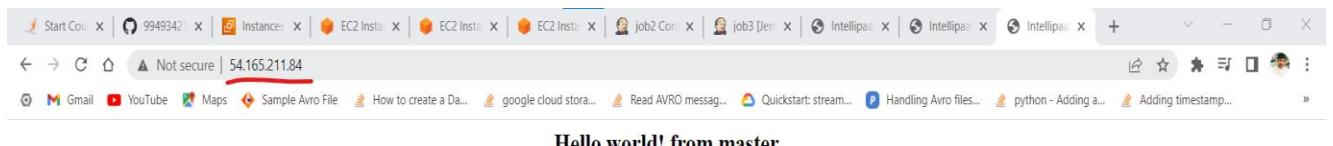
```
Get:31 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [354 kB]
Get:32 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [13.0 kB]
Get:33 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1770 kB]
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [249 kB]
Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [839 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [172 kB]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [17.8 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.9 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5488 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Fetched 26.9 MB in 5s (4989 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-82-137:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-82-137:~$ java --version
openjdk 11.0.19 2023-04-18
OpenJDK Runtime Environment (Build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1)
OpenJDK 64-Bit Server VM (build 11.0.19+7-post-Ubuntu-0ubuntu120.04.1, mixed mode, sharing)
ubuntu@ip-172-31-82-137:~$ docker --version
Docker version 20.10.21, build 20.10.21-0ubuntu1~20.04.2
ubuntu@ip-172-31-82-137:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-82-137:~$ ls
ubuntu@ip-172-31-82-137:~$ ls
jenkins
ubuntu@ip-172-31-82-137:~$ ls
jenkins
ubuntu@ip-172-31-82-137:~$ ls
jenkins
ubuntu@ip-172-31-82-137:~$ 
```

i-0a521cccd1813391a (proj-Prod) ✓

PublicIPs: 54.165.211.84 PrivateIPs: 172.31.82.137

CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search 40°C Mostly sunny 14:46 27-05-2023 ENG



GitHub



The screenshot shows a Windows desktop environment. At the top, there is a taskbar with various open browser tabs, including 'Start Container', '9949342...', 'Instances...', 'EC2 Instances...', 'EC2 Instances...', 'EC2 Instances...', 'job2 Container', 'job3 [Jen...', 'Intelli...', 'Intelli...', 'Intelli...', and '+'. Below the taskbar is a search bar with the placeholder 'Search (CTRL+K)'. To the right of the search bar are icons for a user profile ('admin'), a shield with a red '1', and a 'log out' button.

The main window is titled 'Jenkins' and displays the 'Project job3' dashboard. The dashboard includes a sidebar with options: 'Status' (selected), 'Changes', 'Workspace', 'Build Now' (which is underlined in red), 'Configure', 'Delete Project', 'GitHub Hook Log', and 'Rename'. On the right side of the sidebar, there are buttons for 'Add description' and 'Disable Project'. The central area is titled 'Permalinks' and shows two build links: one for May 27, 2023, at 9:18 AM and another for May 27, 2023, at 9:14 AM. Below the permalinks is a toolbar with icons for file operations like copy, paste, cut, and delete. At the bottom of the window is a status bar showing '40°C Mostly sunny', '14:48', 'ENG', and the date '27-05-2023'.

NOTE: Here, docker doesn't allow container to run with same name or with same port number. So, it gives error.

The screenshot shows the Jenkins job configuration interface for a job named 'job3'. The 'Configuration' tab is selected. Under 'Build Steps', there is a section titled 'Execute shell' with the command:

```
sudo docker rm -f c3  
sudo docker build /home/ubuntu/jenkins/workspace/job3/ -t j3  
sudo docker run -itd -p 80:80 --name=c3 j3
```

At the bottom of the configuration page, there are 'Save' and 'Apply' buttons.

NOTE: So, we are adding one more command which removes the previously run container. So that we'll not get any errors.

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with several open browser tabs, including 'Start Count', '9949342', 'Instances', 'EC2 Insta...', 'EC2 Insta...', 'EC2 Insta...', 'job2 Con...', 'job3 Jen...', 'Intelli...', 'Intelli...', 'Intelli...', and '+'. Below the taskbar is a search bar with the URL '3.85.135.158:8080/job/job3/' and a link to 'Open the home page'. The main window is titled 'Jenkins' and shows the 'Project job3' page. The left sidebar has links for 'Status', 'Changes', 'Workspace', 'Build Now' (which is highlighted in red), 'Configure', 'Delete Project', 'GitHub Hook Log', and 'Rename'. The 'Permalinks' section lists recent builds: 'Last build (#2), 4 min 11 sec ago', 'Last stable build (#1), 8 min 4 sec ago', 'Last successful build (#1), 8 min 4 sec ago', 'Last failed build (#2), 4 min 11 sec ago', 'Last unsuccessful build (#2), 4 min 11 sec ago', and 'Last completed build (#2), 4 min 11 sec ago'. Below this is a 'Build History' section with two entries: '#3 (May 27, 2023, 9:23 AM)' which is green and successful, and '#2 (May 27, 2023, 9:18 AM)' which is red and failed. The bottom of the screen shows the Windows Start button, a search bar with 'Type here to search', and a taskbar with icons for File Explorer, Edge, Mail, OneDrive, Google Chrome, and others. The system tray shows the date '27-05-2023', time '14:53', weather '40°C Mostly sunny', battery status, and network connectivity.