

1. Created a EC2 Instance.

Instance summary for i-077a38e972f0ea5ab (Git) [Info](#)

Updated less than a minute ago

Instance ID

i-077a38e972f0ea5ab

IPv6 address

—

Hostname type

IP name: ip-172-31-9-47.ap-south-1.compute.internal

Answer private resource DNS name

IPv4 (A)

Auto-assigned IP address

13.235.71.74 [Public IP]

IAM Role

—

IMDSv2

Required

Public IPv4 address

13.235.71.74 | [open address](#)

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-9-47.ap-south-1.compute.internal

Instance type

t2.micro

VPC ID

vpc-0603e6a6165c2b257

Subnet ID

subnet-0b56521e0cf180b10

Instance ARN

arn:aws:ec2:ap-south-1:682033483157:instance/i-077a38e972f0ea5ab

Private IPv4 addresses

172.31.9.47

Public IPv4 DNS

ec2-13-235-71-74.ap-south-1.compute.amazonaws.com | [open address](#)

Elastic IP addresses

—

AWS Compute Optimizer finding

Opt-in to AWS Compute Optimizer for recommendation s.

[Learn more](#)

Auto Scaling Group name

—

Managed

false

2. Initiated Git Repo and committed Script files in it.

```
[ec2-user@ip-172-31-7-118 Test_Git]$ git config --global user.name "Lokesh"
[ec2-user@ip-172-31-7-118 Test_Git]$ git config --global user.email "lokeshnani2001@gmail.com"
[ec2-user@ip-172-31-7-118 Test_Git]$ git config --global --edit
[ec2-user@ip-172-31-7-118 Test_Git]$ git remote add origin https://github.com/Lokesh2808/Test_Git.git
[ec2-user@ip-172-31-7-118 Test_Git]$ git push -u origin master
Username for 'https://github.com': lokeshnani2001@gmail.com
Password for 'https://github.com:': lokeshnani2001@gmail.com
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/Lokesh2808/Test_Git.git/'
[ec2-user@ip-172-31-7-118 Test_Git]$ git push -u origin master
Username for 'https://github.com': lokeshnani2001@gmail.com
Password for 'https://github.com:': lokeshnani2001@gmail.com
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/Lokesh2808/Test_Git.git/'
[ec2-user@ip-172-31-7-118 Test_Git]$ git push -u origin master
Username for 'https://github.com': lokeshnani2001@gmail.com
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remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/Lokesh2808/Test_Git.git/'
[ec2-user@ip-172-31-7-118 Test_Git]$ git push -u origin master
Username for 'https://github.com': lokeshnani2001@gmail.com
Password for 'https://github.com:': lokeshnani2001@gmail.com
remote: Permission to Lokesh2808/Test_Git.git denied to lokesh2808.
fatal: unable to access 'https://github.com/Lokesh2808/Test_Git.git/': The requested URL returned error: 403
[ec2-user@ip-172-31-7-118 Test_Git]$ git push -u origin master
Username for 'https://github.com': lokeshnani2001@gmail.com
Password for 'https://github.com:': lokeshnani2001@gmail.com
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (5/5), 399 bytes | 399.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Lokesh2808/Test_Git.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

3. Created a feature branch and updated the code and committed it.

```
[ec2-user@ip-172-31-7-118 Test_Git]$ git checkout -b feature-branch
Switched to a new branch 'feature-branch'
[ec2-user@ip-172-31-7-118 Test_Git]$ echo "echo 'Updated script 1'" > script1.sh
[ec2-user@ip-172-31-7-118 Test_Git]$ git add .
[ec2-user@ip-172-31-7-118 Test_Git]$ git commit -m "Updated script1.sh in feature-branch"
> ^C
[ec2-user@ip-172-31-7-118 Test_Git]$ git commit -m "Updated script1.sh in feature-branch"
[feature-branch 809e790] Updated script1.sh in feature-branch
 1 file changed, 1 insertion(+), 1 deletion(-)
[ec2-user@ip-172-31-7-118 Test_Git]$
```

- Switched back to master branch and merged feature branch into master and pushed the changes.

```
[ec2-user@ip-172-31-7-118 Test_Git]$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
[ec2-user@ip-172-31-7-118 Test_Git]$ git merge feature-branch
Updating 7688e35..809e790
Fast-forward
 script1.sh | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
[ec2-user@ip-172-31-7-118 Test_Git]$ git push origin master
Username for 'https://github.com': lokeshnani2001@gmail.com
Password for 'https://lokeshnani2001%40gmail.com@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 341 bytes | 341.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Lokesh2808/Test_Git.git
 7688e35..809e790 master -> master
[ec2-user@ip-172-31-7-118 Test_Git]$
```

- Switched to feature branch, modified the script, stash the changes, verified the stash, applied the stash and dropped the stash when done.

```
[ec2-user@ip-172-31-7-118 Test_Git]$ git checkout feature-branch
Already on 'feature-branch'
[ec2-user@ip-172-31-7-118 Test_Git]$ git rebase master
Current branch feature-branch is up to date.
[ec2-user@ip-172-31-7-118 Test_Git]$ git push origin feature-branch --force
Username for 'https://github.com': lokeshnani2001@gmail.com
Password for 'https://lokeshnani2001%40gmail.com@github.com':
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature-branch' on GitHub by visiting:
remote:   https://github.com/Lokesh2808/Test_Git/pull/new/feature-branch
remote:
To https://github.com/Lokesh2808/Test_Git.git
 * [new branch]      feature-branch -> feature-branch
[ec2-user@ip-172-31-7-118 Test_Git]$ echo "echo 'Temporary changes to script2'" > script2.sh
[ec2-user@ip-172-31-7-118 Test_Git]$ git stash
Saved working directory and index state WIP on feature-branch: 809e790 Updated script1.sh in feature-branch
[ec2-user@ip-172-31-7-118 Test_Git]$ git status
On branch feature-branch
nothing to commit, working tree clean
[ec2-user@ip-172-31-7-118 Test_Git]$ git stash apply
On branch feature-branch
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   script2.sh

no changes added to commit (use "git add" and/or "git commit -a")
[ec2-user@ip-172-31-7-118 Test_Git]$ git stash drop
Dropped refs/stash@{0} (52b79f16a90e7fe313a312ab62fe5bc99c210e93)
[ec2-user@ip-172-31-7-118 Test_Git]$
```

6. At last pushed the changes and exited.

```
[ec2-user@ip-172-31-7-118 Test_Git]$ git push origin master
Username for 'https://github.com': lokeshnani2001@gmail.com
Password for 'https://lokeshnani2001%40gmail.com@github.com':
Everything up-to-date
[ec2-user@ip-172-31-7-118 Test_Git]$
```