

Git-Assignment-1

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

EC2 Instances Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE L  [Browse more AMIs](#) Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type Free tier eligible

ami-04b70fa74e45c3917 (64-bit (x86)) / ami-0eac975a54dfee8cb (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description
Canonical, Ubuntu, 24.04 LTS, amd64 noble image build on 2024-04-23

Summary

Number of instances Info 1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ... [read more](#)
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

ⓘ Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel **Launch instance** Review commands

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EC2 RDS IAM

Description
Canonical, Ubuntu, 24.04 LTS, amd64 noble image build on 2024-04-23

Architecture AMI ID
64-bit (x86) ami-04b70fa74e45c3917 Verified provider

Instance type Info | Get advice

Instance type
t2.micro Family: t2 1 vCPU 1 GiB Memory Current generation: true Free tier eligible
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

All generations Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required Swapnil Create new key pair

Network settings Info

Network Info
vpc-020050eeb89f650ee | Default VPC

Subnet Info
subnet-0cd8f86e5a754829f

Summary

Number of instances Info
1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

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EC2 RDS IAM

Additional charges apply when outside of free tier allowance

Firewall (security groups) | Info A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-8' with the following rules:

Allow SSH traffic from Anywhere Helps you connect to your instance 0.0.0.0/0

Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

▼ Summary Number of instances 1 Software Image (AMI) Canonical, Ubuntu, 24.04 LTS, ...read more ami-04b70fa74e45c3917 Virtual server type (instance type) t2.micro Firewall (security group) New security group Storage (volumes) 1 volume(s) - 8 GiB

Configure storage Advanced 1x 8 GiB gp3 Root volume (Encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

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EC2 RDS IAM

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-8' with the following rules:

- Allow SSH traffic from Anywhere 0.0.0.0/0
- Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server
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Configure storage Info Advanced

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0 x File systems Edit

Advanced details Info

Summary

Number of instances | Info 1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more ami-04b70fa74e45c3917

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Cancel Launch instance Review commands

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EC2 RDS IAM

EC2 Dashboard EC2 Global View Events Console-to-Code Preview Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs Network Interfaces Load Balancing Load Balancers

Instances (2) Info Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
Git-Assignment-1	i-0172e1adf12b248cb	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-54-90-127-52.com...	54.90.127.52	-
VPCE-Tutorial-EC2Instance	i-013d0ba040d79e1df	Terminated	t2.micro	-	View alarms +	us-east-1f	-	-	-

Select an instance

Connect to instance Info

Connect to your instance i-0172e1adf12b248cb (Git-Assignment-1) using any of these options

[EC2 Instance Connect](#) | [Session Manager](#) | [SSH client](#) | [EC2 serial console](#)

Instance ID

[i-0172e1adf12b248cb \(Git-Assignment-1\)](#)

Connection Type

Connect using EC2 Instance Connect

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

Connect using EC2 Instance Connect Endpoint

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address

[54.90.127.52](#)

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

X

Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

Connect

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Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1008-aws x86_64)

```
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro
```

System information as of Sun Jun 2 13:37:04 UTC 2024

```
System load: 0.4 Processes: 107
Usage of /: 23.2% of 6.71GB Users logged in: 0
Memory usage: 21% IPv4 address for enx0: 172.30.0.234
Swap usage: 0%
```

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
ubuntu@ip-172-30-0-234:~$ sudo apt-get update
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu/noble/main amd64 Packages [1401 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu/noble/main Translation-en [513 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu/noble/universe amd64 Packages [15.0 MB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu/noble/universe Translation-en [5982 kB]
Get:9 http://security.ubuntu.com/ubuntu/noble-security/main amd64 Packages [88.0 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu/noble/universe amd64 Components [3871 kB]
```

i-0172e1adf12b248cb (Git-Assignment-1)
PublicIPs: 54.90.127.52 PrivateIPs: 172.30.0.234

```
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Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 Packages [1401 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main Translation-en [513 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [88.0 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [24.5 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [6876 B]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [34.9 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted amd64 Packages [93.9 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted Translation-en [18.7 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [13.4 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:21 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [96.9 kB]
Get:24 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [112 B]
Get:25 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:26 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [27.9 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [8564 B]
Get:29 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [116 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [44.9 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [17.0 kB]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [112 B]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [212 B]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [116 B]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [5812 B]
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [2152 B]
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [17.6 kB]
Get:42 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [116 B]
Get:43 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:44 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:45 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:46 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 28.7 MB in 5s (5239 kB/s)
Reading package lists... Done
ubuntu@ip-172-30-0-234:~$ ||
```

i-0172e1adf12b248cb (Git-Assignment-1)

PublicIPs: 54.90.127.52 PrivateIPs: 172.30.0.234

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EC2 RDS IAM

```
Fetched 28.7 MB in 5s (5239 kB/s)
Reading package lists... Done
ubuntu@ip-172-30-0-234:~$ 
ubuntu@ip-172-30-0-234:~$ 
ubuntu@ip-172-30-0-234:~$ mkdir Assignment1
ubuntu@ip-172-30-0-234:~$ ls
Assignment1
ubuntu@ip-172-30-0-234:~$ cd Assignment1
ubuntu@ip-172-30-0-234:~/Assignment1$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/Assignment1/.git/
ubuntu@ip-172-30-0-234:~/Assignment1$ ls
ubuntu@ip-172-30-0-234:~/Assignment1$ ls -a
. .. .git
ubuntu@ip-172-30-0-234:~/Assignment1$ touch code.txt log.txt output.txt
ubuntu@ip-172-30-0-234:~/Assignment1$ ls
code.txt log.txt output.txt
ubuntu@ip-172-30-0-234:~/Assignment1$ ls -a
. .. .git code.txt log.txt output.txt
ubuntu@ip-172-30-0-234:~/Assignment1$ git add code.txt
ubuntu@ip-172-30-0-234:~/Assignment1$ git add output.txt
ubuntu@ip-172-30-0-234:~/Assignment1$ git status
On branch master

No commits yet

Changes to be committed:
(use "git rm --cached <file>..." to unstage)
  new file:   code.txt
  new file:   output.txt

Untracked files:
(use "git add <file>..." to include in what will be committed)
  log.txt

ubuntu@ip-172-30-0-234:~/Assignment1$ ||
```

i-0172e1adf12b248cb (Git-Assignment-1)
PublicIPs: 54.90.127.52 PrivateIPs: 172.30.0.234



premswapnil / Git-Session

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Git-Session Public

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Fork 0

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Set up GitHub Copilot

Use GitHub's AI pair programmer to autocomplete suggestions as you code.

[Get started with GitHub Copilot](#)



Add collaborators to this repository

Search for people using their GitHub username or email address.

[Invite collaborators](#)

Quick setup — if you've done this kind of thing before

[Set up in Desktop](#)

or

HTTPS SSH

<https://github.com/premswapnil/Git-Session.git>



Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# Git-Session" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/premswapnil/Git-Session.git
git push -u origin main
```



...or push an existing repository from the command line

```
git remote add origin https://github.com/premswapnil/Git-Session.git
git branch -M main
git push -u origin main
```



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EC2 RDS IAM

On branch master

No commits yet

Changes to be committed:

```
(use "git rm --cached <file>..." to unstage)
  new file: code.txt
  new file: output.txt
```

Untracked files:

```
(use "git add <file>..." to include in what will be committed)
  log.txt
```

```
ubuntu@ip-172-30-0-234:~/Assignment1$ git commit -m "first commit"
[master (root-commit) e11b564] first commit
Committer: Ubuntu <ubuntu@ip-172-30-0-234.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 code.txt
create mode 100644 output.txt
ubuntu@ip-172-30-0-234:~/Assignment1$
```

```
ubuntu@ip-172-30-0-234:~/Assignment1$ git branch
* master
```

```
ubuntu@ip-172-30-0-234:~/Assignment1$ git remote add origin https://github.com/premswapnil/Git-Session.git
ubuntu@ip-172-30-0-234:~/Assignment1$ git push origin master
Username for 'https://github.com': premswapnil
Password for 'https://premswapnil@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 229 bytes | 229.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/premswapnil/Git-Session.git
 * [new branch]      master -> master
ubuntu@ip-172-30-0-234:~/Assignment1$ ||
```

i-0172e1adf12b248cb (Git-Assignment-1)

PublicIPs: 54.90.127.52 PrivateIPs: 172.30.0.234



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Type ⌘ to search



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Pin

Unwatch 1

Fork 0

Star 0

master 1 Branch 0 Tags

Go to file

t

Add file

<> Code

About



No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

README



Add a README

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

Add a README



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EC2 RDS IAM

your configuration file:

```
git config --global --edit
```

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2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 code.txt
create mode 100644 output.txt

ubuntu@ip-172-30-0-234:~/Assignment1\$
ubuntu@ip-172-30-0-234:~/Assignment1\$ git branch
* master

ubuntu@ip-172-30-0-234:~/Assignment1\$ git remote add origin https://github.com/premswapnil/Git-Session.git
ubuntu@ip-172-30-0-234:~/Assignment1\$ git push origin master
Username for 'https://github.com': premswapnil
Password for 'https://premswapnil@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 229 bytes | 229.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/premswapnil/Git-Session.git
 * [new branch] master -> master

ubuntu@ip-172-30-0-234:~/Assignment1\$
ubuntu@ip-172-30-0-234:~/Assignment1\$ history

```
1 sudo apt-get update
2 mkdir Assignment1
3 ls
4 cd Assignment1
5 git init
6 ls
7 ls -a
8 touch code.txt log.txt output.txt
9 ls
10 ls -a
11 git add code.txt
12 git add output.txt
13 git status
14 git commit -m "first commit"
15 git branch
16 git remote add origin https://github.com/premswapnil/Git-Session.git
17 git push origin master
18 history
```

ubuntu@ip-172-30-0-234:~/Assignment1\$ ||

i-0172e1adf12b248cb (Git-Assignment-1)

PublicIPs: 54.90.127.52 PrivateIPs: 172.30.0.234

Git-Assignment-2

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

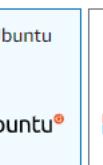
Name and tags Info

Name

[Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

[Recents](#)[Quick Start](#)[Browse more AMIs](#)

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type

Free tier eligible

▼ Summary

Number of instances [Info](#)

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...[read more](#)
ami-04b70fa74e45c3917

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

[Cancel](#)[Launch instance](#)[Review commands](#)

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-04b70fa74e45c3917 (64-bit (x86)) / ami-0eac975a54dfee8cb (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description
Canonical, Ubuntu, 24.04 LTS, amd64 noble image build on 2024-04-23

Architecture AMI ID
64-bit (x86) ami-04b70fa74e45c3917 Verified provider

Instance type Info | Get advice

Instance type
t2.micro Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

All generations Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required Swapnil Create new key pair

Summary

Number of instances 1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

Network settings

Network | Info
vpc-020050eeb89f650ee | Default VPC

Subnet | Info
subnet-0cd8f86e5a754829f

Auto-assign public IP | Info
Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) | Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-13' with the following rules:

Allow SSH traffic from Anywhere
Helps you connect to your instance

Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Configure storage

Advanced

1x 8 GiB gp3 Root volume (Encrypted)

Summary

Number of instances | Info
1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

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Cancel Launch instance Review commands

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

Helps you connect to your instance Anywhere 0.0.0.0/0

Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Configure storage Info Advanced

1x 8 GiB gp3 Root volume (Encrypted)

ⓘ Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

ⓘ Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

Advanced details Info

Summary

Number of instances | Info 1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

ⓘ Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

This screenshot shows the AWS EC2 instance creation wizard. It displays configuration steps for storage, AMI selection, and instance type. A summary section provides an overview of the chosen resources, including the number of instances, software image (Ubuntu 24.04 LTS), virtual server type (t2.micro), and storage (1 volume - 8 GiB). A prominent 'Launch instance' button is visible at the bottom right.

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

EC2 Dashboard EC2 Global View Events Console-to-Code Preview Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs

Instances (1) Info Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
Git-Assignment-2	i-0f0b9f35245999a6e	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-34-234-97-126.co...	34.234.97.1

Select an instance

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

EC2 Dashboard EC2 Global View Events Console-to-Code Preview Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs

Instances (1/1) Info Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
Git-Assignment-2	i-0f0b9f35245999a6e	Running	t2.micro	Initializing	View alarms	us-east-1a	ec2-34-234-97-126.co...	34.234.97.1...

i-0f0b9f35245999a6e (Git-Assignment-2)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0f0b9f35245999a6e (Git-Assignment-2)	34.234.97.126 open address	172.30.0.64
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-34-234-97-126.compute-1.amazonaws.com open address
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-172-30-0-64.ec2.internal	ip-172-30-0-64.ec2.internal	-
Answer private resource DNS name	Instance type	AWS Compute Optimizer finding
-	t2.micro	Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address	VPC ID	Auto Scaling Group name
34.234.97.126 [Public IP]	vpc-020050eeb89f650ee (Default VPC)	-
IAM Role	Subnet ID	
-	subnet-0cd8f86e5a754829f	
IMDSv2	Instance ARN	
Required	arn:aws:ec2:us-east-1:866650389532:instance/i-0f0b9f35245999a6e	

Instance details

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Connect to instance Info

Connect to your instance i-0f0b9f35245999a6e (Git-Assignment-2) using any of these options

[EC2 Instance Connect](#) [Session Manager](#) [SSH client](#) [EC2 serial console](#)

Instance ID

[i-0f0b9f35245999a6e \(Git-Assignment-2\)](#)

Connection Type

[Connect using EC2 Instance Connect](#)

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

[Connect using EC2 Instance Connect Endpoint](#)

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address

[34.234.97.126](#)

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

X

Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

Connect

aws | Services | Search [Alt+S] | X | ▲ | ⓘ | ⚙ | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-64:~$ ubuntu@ip-172-30-0-64:~$ sudo apt update -y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 Packages [1401 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main Translation-en [513 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [150 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [39.1 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [6876 B]
Get:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [42.9 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [16.6 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:15 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [112 B]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [70.1 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [14.3 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [116 B]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted amd64 Packages [93.9 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted Translation-en [18.7 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [169 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [46.7 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [8564 B]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [65.2 kB]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [24.7 kB]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [112 B]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [70.1 kB]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [14.3 kB]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [2968 B]
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [968 B]
```

i-0f0b9f35245999a6e (Git-Assignment-2)

PublicIPs: 34.234.97.126 PrivateIPs: 172.30.0.64

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

```
Get:51 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:52 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 29.1 MB in 6s (5055 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
77 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-30-0-64:~$ 
ubuntu@ip-172-30-0-64:~$ mkdir Assignment2
ubuntu@ip-172-30-0-64:~$ ls
Assignment2
ubuntu@ip-172-30-0-64:~$ cd Assignment2
ubuntu@ip-172-30-0-64:~/Assignment2$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/Assignment2/.git/
ubuntu@ip-172-30-0-64:~/Assignment2$ ls -a
.
..
.git
ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
ubuntu@ip-172-30-0-64:~/Assignment2$ touch feature1.txt feature2.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ ls
feature1.txt  feature2.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    feature1.txt
    feature2.txt

nothing added to commit but untracked files present (use "git add" to track)
ubuntu@ip-172-30-0-64:~/Assignment2$ git add feature1.txt
```

i-0f0b9f35245999a6e (Git-Assignment-2)

Public IPs: 34.234.97.126 Private IPs: 172.30.0.64

warn | Services | Search [Alt+S] | X | ▲ | ? | ⚙️ | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
Untracked files:
(use "git add <file>..." to include in what will be committed)
  feature1.txt
  feature2.txt

nothing added to commit but untracked files present (use "git add" to track)
ubuntu@ip-172-30-0-64:~/Assignment2$ git add feature1.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git add feature2.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git status
On branch master

No commits yet

Changes to be committed:
(use "git rm --cached <file>..." to unstage)
  new file:  feature1.txt
  new file:  feature2.txt

ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
ubuntu@ip-172-30-0-64:~/Assignment2$ git commit -m "first commit"
[master (root-commit) 3f71358] first commit
Committer: Ubuntu <ubuntu@ip-172-30-0-64.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

  git config --global --edit

After doing this, you may fix the identity used for this commit with:

  git commit --amend --reset-author

2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 feature1.txt
create mode 100644 feature2.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
* master
ubuntu@ip-172-30-0-64:~/Assignment2$ ls
feature1.txt  feature2.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ []
```

i-0f0b9f35245999a6e (Git-Assignment-2)

PublicIPs: 34.234.97.126 PrivateIPs: 172.30.0.64

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
* master
ubuntu@ip-172-30-0-64:~/Assignment2$ git checkout develop
Switched to branch 'develop'
ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
* develop
  feature1
  feature2
  master
ubuntu@ip-172-30-0-64:~/Assignment2$ touch develop.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git stash -u
Saved working directory and index state WIP on develop: 3f71358 first commit
ubuntu@ip-172-30-0-64:~/Assignment2$ ls
feature1.txt  feature2.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git stash pop
Already up to date.
On branch develop
Untracked files:
 (use "git add <file>..." to include in what will be committed)
  develop.txt

nothing added to commit but untracked files present (use "git add" to track)
Dropped refs/stash@{0} (671b349259dd30d0241168e3aa4acf119dc2dbce)
ubuntu@ip-172-30-0-64:~/Assignment2$ git stash -u
Saved working directory and index state WIP on develop: 3f71358 first commit
ubuntu@ip-172-30-0-64:~/Assignment2$ ls
feature1.txt  feature2.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git checkout feature1
error: pathspec 'feature1' did not match any file(s) known to git
ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
* develop
  feature1
  feature2
  master
ubuntu@ip-172-30-0-64:~/Assignment2$ git checkout fraturel
Command 'fit' not found, but there are 15 similar ones.
ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
* develop
  feature1
  feature2
  master
ubuntu@ip-172-30-0-64:~/Assignment2$ git checkout fraturel
Switched to branch 'fraturel'
```

i-0f0b9f35245999a6e (Git-Assignment-2)

Public IPs: 34.234.97.126 Private IPs: 172.30.0.64

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

```
feature1.txt feature2.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git checkout feature1
error: pathspec 'feature1' did not match any file(s) known to git
ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
* develop
  frature1
  frature2
  master
ubuntu@ip-172-30-0-64:~/Assignment2$ git checkout frature1
Command 'fit' not found, but there are 15 similar ones.
ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
* develop
  frature1
  frature2
  master
ubuntu@ip-172-30-0-64:~/Assignment2$ git checkout frature1
Switched to branch 'frature1'
ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
  develop
* frature1
  frature2
  master
ubuntu@ip-172-30-0-64:~/Assignment2$ touch new.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git add new.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git commit -m "commit on frature1 branch"
[frature1 f2d83bd] commit on frature1 branch
Committer: Ubuntu <ubuntu@ip-172-30-0-64.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 new.txt
ubuntu@ip-172-30-0-64:~/Assignment2$
```

i-0f0b9f35245999a6e (Git-Assignment-2)
Public IPs: 34.234.97.126 Private IPs: 172.30.0.64

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 new.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git checkout develop
Switched to branch 'develop'
ubuntu@ip-172-30-0-64:~/Assignment2$ git branch
* develop
  feature1
  feature2
  master
ubuntu@ip-172-30-0-64:~/Assignment2$ git stash pop
Already up to date.
On branch develop
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    develop.txt

nothing added to commit but untracked files present (use "git add" to track)
Dropped refs/stash@{0} (4dde8c7a815179d0ae1ab05b57cfca0c0a959441)
ubuntu@ip-172-30-0-64:~/Assignment2$ git add develop.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ git commit -m "commit on develop branch"
[develop 7711cdc] commit on develop branch
Committer: Ubuntu <ubuntu@ip-172-30-0-64.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 develop.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ 
```

i-0f0b9f35245999a6e (Git-Assignment-2) X

Public IPs: 34.234.97.126 Private IPs: 172.30.0.64

aws Services Search [Alt+S]

EC2 RDS IAM

```
git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 develop.txt
ubuntu@ip-172-30-0-64:~/Assignment2$ history
 1 sudo apt update -y
 2 mkdir Assignment2
 3 ls
 4 cd Assignment2
 5 git init
 6 ls -a
 7 git branch
 8 touch feature1.txt feature2.txt
 9 ls
10 git status
11 git add feature1.txt
12 git add feature2.txt
13 git status
14 git branch
15 git commit -m "first commit"
16 git branch
17 ls
18 git branch develop
19 git branch frature1
20 git branch frature2
21 git branch
22 git checkout develop
23 git branch
24 touch develop.txt
25 git stash -u
26 ls
27 git stash pop
28 git stash -u
29 ls
30 git checkout feature1
31 git branch
32 fit checkout frature1
33 git branch
34 git checkout frature1
35 git branch
36 touch new.txt
37 git add new.txt
38 git commit -m "commit on frature1 branch"
39 git checkout develop
40 git branch
41 git stash pop
42 git add develop.txt
43 git commit -m "commit on develop branch"
44 history
ubuntu@ip-172-30-0-64:~/Assignment2$
```

i-0f0b9f35245999a6e (Git-Assignment-2)

Public IPs: 34.234.97.126 Private IPs: 172.30.0.64

Git-Assignment-3

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

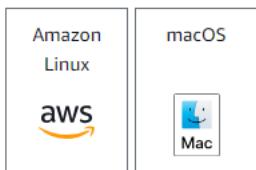
Name and tags Info

Name

[Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

[Recents](#)[Quick Start](#)[Amazon Machine Image \(AMI\)](#)[Ubuntu Server 24.04 LTS \(HVM\), SSD Volume Type](#)

Free tier eligible

▼ Summary

Number of instances [Info](#)

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...[read more](#)
ami-04b70fa74e45c3917

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

[Cancel](#)[Launch instance](#)[Review commands](#)

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EC2 RDS IAM

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-04b70fa74e45c3917 (64-bit (x86)) / ami-0eac975a54dfee8cb (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description
Canonical, Ubuntu, 24.04 LTS, amd64 noble image build on 2024-04-23

Architecture AMI ID
64-bit (x86) ami-04b70fa74e45c3917 Verified provider

Number of instances 1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

Instance type Info | Get advice

Instance type
t2.micro Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required
Swapnil Create new key pair

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EC2 RDS IAM

Network settings

Network | Info
vpc-020050eeb89f650ee | Default VPC

Subnet | Info
subnet-0cd8f86e5a754829f

Auto-assign public IP | Info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) | Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-15' with the following rules:

Allow SSH traffic from Anywhere
Helps you connect to your instance
0.0.0.0/0

Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Configure storage

Advanced

1x 8 GiB gp3 Root volume (Encrypted)

Summary

Number of instances | Info
1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

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EC2 RDS IAM

Helps you connect to your instance Anywhere 0.0.0.0/0

Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Configure storage Info Advanced

1x 8 GiB gp3 Root volume (Encrypted)

ⓘ Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

ⓘ Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

Advanced details Info

Summary

Number of instances | Info 1

Software Image (AMI) Canonical, Ubuntu, 24.04 LTS, ...read more ami-04b70fa74e45c3917

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

ⓘ Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

This screenshot shows the AWS EC2 instance creation wizard. It's on the 'Configure storage' step. The user has selected 1x 8 GiB gp3 as the root volume (Encrypted). A note indicates that free-tier eligible customers can get up to 30 GB of EBS storage. Below this, a message states that the selected AMI contains more instance store volumes than the instance allows, so only the first 0 are accessible. There's also a note to click refresh for backup information. The 'Advanced details' section is partially visible at the bottom. On the right, the 'Summary' section shows 1 instance, the Canonical Ubuntu 24.04 LTS AMI, t2.micro instance type, and a new security group. A detailed note about free-tier benefits is shown in a callout box. At the bottom right are 'Cancel', 'Launch instance', and 'Review commands' buttons.

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EC2 RDS IAM

EC2 Dashboard EC2 Global View Events Console-to-Code Preview Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs

Instances (1) Info Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
Assignment-3	i-0c5b8ad6752e9c83d	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-52-73-63-232.com...	52.73.63.23

Select an instance

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Connect to instance Info

Connect to your instance i-0c5b8ad6752e9c83d (Assignment-3) using any of these options

[EC2 Instance Connect](#)

[Session Manager](#)

[SSH client](#)

[EC2 serial console](#)

Instance ID

[i-0c5b8ad6752e9c83d \(Assignment-3\)](#)

Connection Type

[Connect using EC2 Instance Connect](#)

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

[Connect using EC2 Instance Connect Endpoint](#)

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address

[52.73.63.232](#)

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

ubuntu



Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

Connect

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EC2 RDS IAM

```
ubuntu@ip-172-30-0-159:~$ sudo apt update -y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 Packages [1401 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main Translation-en [513 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [163 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [42.8 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [6876 B]
Get:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [54.8 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [20.1 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:15 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [112 B]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [70.1 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [14.3 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [116 B]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted amd64 Packages [93.9 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted Translation-en [18.7 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [182 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [50.3 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [8564 B]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [77.0 kB]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [28.2 kB]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [112 B]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [112 kB]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [21.4 kB]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [13.0 kB]
```

i-060d37ebf5b7eced0 (Assignment-3)

PublicIPs: 54.221.112.79 PrivateIPs: 172.30.0.159

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EC2 RDS IAM

```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
77 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-30-0-159:~$ mkdir Assignment3
ubuntu@ip-172-30-0-159:~$ ls
Assignment3
ubuntu@ip-172-30-0-159:~$ pwd
/home/ubuntu
ubuntu@ip-172-30-0-159:~$ cd Assignment3
ubuntu@ip-172-30-0-159:~/Assignment3$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/Assignment3/.git/
ubuntu@ip-172-30-0-159:~/Assignment3$ touch develop.txt f1.txt f2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ ls
.git develop.txt f1.txt f2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ ls
develop.txt f1.txt f2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add develop.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add f1.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add f2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git status
On branch master

No commits yet

Changes to be committed:
(use "git rm --cached <file>..." to unstage)
  new file:   develop.txt
  new file:   f1.txt
  new file:   f2.txt

ubuntu@ip-172-30-0-159:~/Assignment3$
```

i-060d37ebf5b7eced0 (Assignment-3)

PublicIPs: 54.221.112.79 PrivateIPs: 172.30.0.159

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
your configuration file:  
git config --global --edit  
  
After doing this, you may fix the identity used for this commit with:  
git commit --amend --reset-author  
  
3 files changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 develop.txt  
create mode 100644 f1.txt  
create mode 100644 f2.txt  
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch  
* master  
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch develop  
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch f1  
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch f2  
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch  
  develop  
  f1  
  f2  
* master  
ubuntu@ip-172-30-0-159:~/Assignment3$ touch main.txt  
ubuntu@ip-172-30-0-159:~/Assignment3$ git add main.txt  
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "Main.txt file committing"  
[master 4e3f376] Main.txt file committing  
Committer: Ubuntu <ubuntu@ip-172-30-0-159.ec2.internal>  
Your name and email address were configured automatically based  
on your username and hostname. Please check that they are accurate.  
You can suppress this message by setting them explicitly. Run the  
following command and follow the instructions in your editor to edit  
your configuration file:  
  
git config --global --edit  
  
After doing this, you may fix the identity used for this commit with:  
git commit --amend --reset-author  
  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 main.txt  
ubuntu@ip-172-30-0-159:~/Assignment3$
```

i-060d37ebf5b7eced0 (Assignment-3)
PublicIPs: 54.221.112.79 PrivateIPs: 172.30.0.159

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EC2 RDS IAM

f2
master

```
ubuntu@ip-172-30-0-159:~/Assignment3$ touch develop.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ ls
develop.txt f1.txt f2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add develop.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m
error: switch `m' requires a value
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "develop.txt file committing"
On branch develop
nothing to commit, working tree clean
ubuntu@ip-172-30-0-159:~/Assignment3$ git add .
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "develop.txt commit"
On branch develop
nothing to commit, working tree clean
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch
* develop
  f1
  f2
  master
ubuntu@ip-172-30-0-159:~/Assignment3$ touch deleop.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add develop develop.txt
fatal: pathspec 'develop' did not match any files
ubuntu@ip-172-30-0-159:~/Assignment3$ git add deleop.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "deleop.txt commit"
[develop e7164f0] deleop.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-159.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 deleop.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ []
```

i-060d37ebf5b7eced0 (Assignment-3)
PublicIPs: 54.221.112.79 PrivateIPs: 172.30.0.159

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EC2 RDS IAM

```
git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 deleop.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git checkout f1
Switched to branch 'f1'
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch
  develop
* f1
  f2
  master
ubuntu@ip-172-30-0-159:~/Assignment3$ touch f1.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add f1.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "f1.txt commit"
On branch f1
nothing to commit, working tree clean
ubuntu@ip-172-30-0-159:~/Assignment3$ touch f1.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add f1.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "f1.txt committing"
On branch f1
nothing to commit, working tree clean
ubuntu@ip-172-30-0-159:~/Assignment3$ touch F1.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add F1.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "F1.txt commit"
[f1 53601d3] F1.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-159.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 F1.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ []
```

i-060d37ebf5b7eced0 (Assignment-3)

PublicIPs: 54.221.112.79 PrivateIPs: 172.30.0.159



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You can suppress this message by setting them explicitly. Run the following command and follow the instructions in your editor to edit your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 F1.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git checkout f2
Switched to branch 'f2'
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch
  develop
  f1
* f2
  master
ubuntu@ip-172-30-0-159:~/Assignment3$ touch F2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add F2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "F2.txt commit"
Command 'got' not found, but can be installed with:
sudo apt install got
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "F2.txt commit"
[f2 72d72e3] F2.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-159.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 F2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ []
```

i-060d37ebf5b7eced0 (Assignment-3)

PublicIPs: 54.221.112.79 PrivateIPs: 172.30.0.159



aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
develop
f1
* f2
master
ubuntu@ip-172-30-0-159:~/Assignment3$ touch F2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git add F2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "F2.txt commit"
Command 'git' not found, but can be installed with:
sudo apt install git
ubuntu@ip-172-30-0-159:~/Assignment3$ git commit -m "F2.txt commit"
[f2 72d72e3] F2.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-159.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

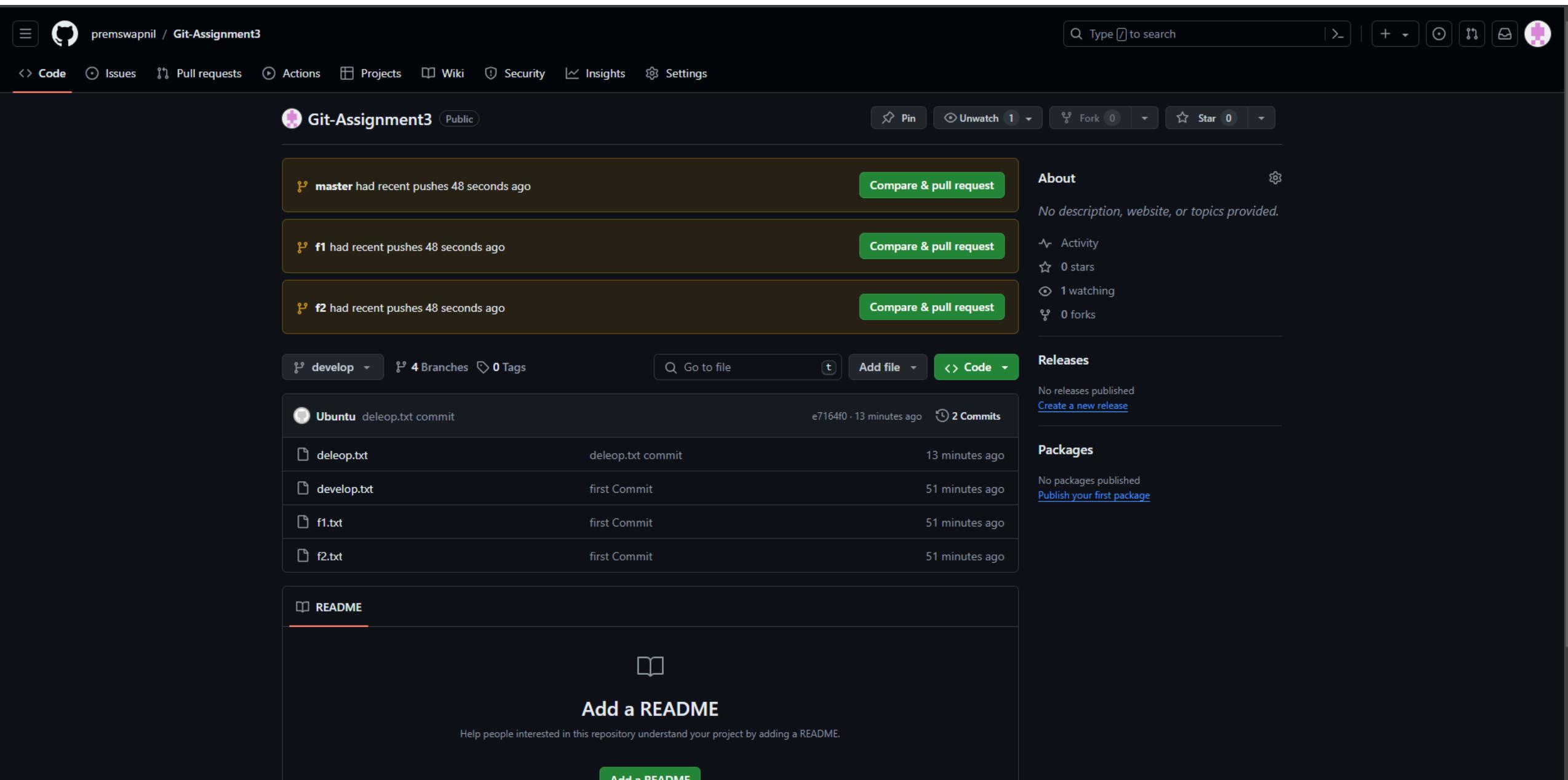
After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 F2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git remote add origin https://github.com/premswapnil/Git-Assignment3.git
ubuntu@ip-172-30-0-159:~/Assignment3$ git push origin --all
Username for 'https://github.com': premswapnil
Password for 'https://premswapnil@github.com':
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Compressing objects: 100% (10/10), done.
Writing objects: 100% (11/11), 794 bytes | 794.00 KiB/s, done.
Total 11 (delta 7), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (7/7), done.
To https://github.com/premswapnil/Git-Assignment3.git
 * [new branch]      develop -> develop
 * [new branch]      f1 -> f1
 * [new branch]      f2 -> f2
 * [new branch]      master -> master
ubuntu@ip-172-30-0-159:~/Assignment3$ []
```

i-060d37ebf5b7eced0 (Assignment-3)

Public IPs: 54.221.112.79 Private IPs: 172.30.0.159



aws Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

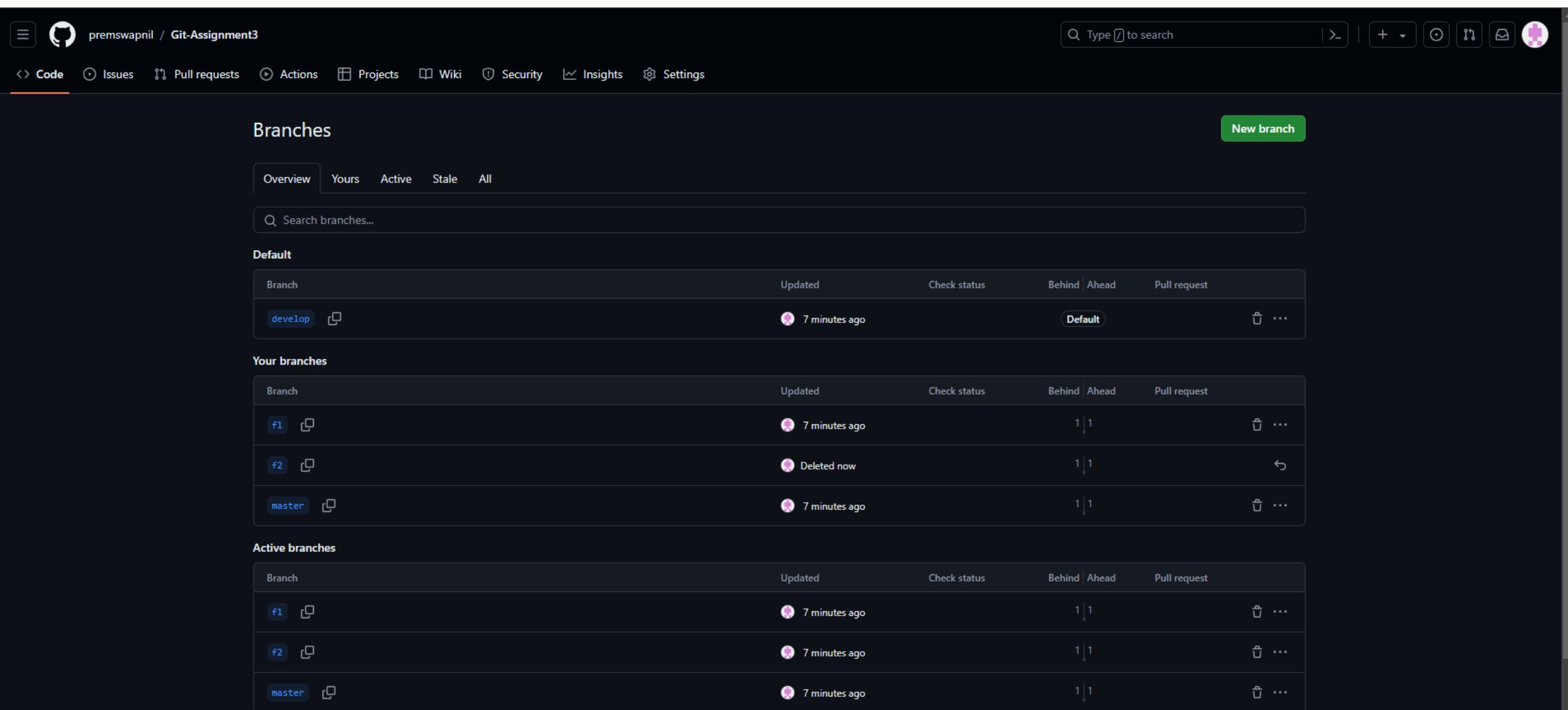
EC2 RDS IAM

```
git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 F2.txt
ubuntu@ip-172-30-0-159:~/Assignment3$ git remote add origin https://github.com/premswapnil/Git-Assignment3.git
ubuntu@ip-172-30-0-159:~/Assignment3$ git push origin --all
Username for 'https://github.com': premswapnil
Password for 'https://premswapnil@github.com':
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Compressing objects: 100% (10/10), done.
Writing objects: 100% (11/11), 794 bytes | 794.00 KiB/s, done.
Total 11 (delta 7), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (7/7), done.
To https://github.com/premswapnil/Git-Assignment3.git
 * [new branch] develop -> develop
 * [new branch] f1 -> f1
 * [new branch] f2 -> f2
 * [new branch] master -> master
ubuntu@ip-172-30-0-159:~/Assignment3$ 
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch
  develop
    f1
 * f2
  master
ubuntu@ip-172-30-0-159:~/Assignment3$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch
  develop
    f1
    f2
 * master
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch delete -D f2
error: branch 'delete' not found
Deleted branch f2 (was 72d72e3).
ubuntu@ip-172-30-0-159:~/Assignment3$ git branch
  develop
    f1
 * master
ubuntu@ip-172-30-0-159:~/Assignment3$ 
```

i-060d37ebf5b7eced0 (Assignment-3)

PublicIPs: 54.221.112.79 PrivateIPs: 172.30.0.159





<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Branches

New branch

Overview Yours Active Stale All

Search branches...

Default

Branch	Updated	Check status	Behind	Ahead	Pull request
develop	7 minutes ago	Default			...

Your branches

Branch	Updated	Check status	Behind	Ahead	Pull request
f1	7 minutes ago		1	1	...
master	7 minutes ago		1	1	...

Active branches

Branch	Updated	Check status	Behind	Ahead	Pull request
f1	7 minutes ago		1	1	...
master	7 minutes ago		1	1	...

AWS | Services | Search [Alt+S]

EC2 RDS IAM

```
ubuntu@ip-172-30-0-159:~/Assignment3$ history
1 sudo apt update -y
2 mkdir Assignment3
3 ls
4 pwd
5 cd Assignment3
6 git init
7 touch develop.txt f1.txt f2.txt
8 la
9 ls
10 git add develop.txt
11 git add f1.txt
12 git add f2.txt
13 git status
14 git commit -m "first Commit"
15 git branch
16 git branch develop
17 git branch f1
18 git branch f2
19 git branch
20 touch main.txt
21 git add main.txt
22 git commit -m "Main.txt file committing"
23 git checkout develop
24 git branch
25 touch develop.txt
26 git add develop.txt
27 git commit -m "Develop.txt file committing"
28 ls
29 git branch
30 touch develop.txt
31 ls
32 git add develop.txt
33 git commit -m
34 git commit -m "develop.txt file committing"
35 git add .
36 git commit -m "develop.txt commit"
37 git branch
38 touch deleop.txt
39 git add develop develop.txt
40 git add deleop.txt
41 git commit -m "deleop.txt commit"
```

i-060d37ebf5b7eced0 (Assignment-3)

Public IPs: 54.221.112.79 Private IPs: 172.30.0.159

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
26 git add develop.txt
27 git commit -m "Develop.txt file committing"
28 ls
29 git branch
30 touch develop.txt
31 ls
32 git add develop.txt
33 git commit -m
34 git commit -m "develop.txt file committing"
35 git add .
36 git commit -m "develop.txt commit"
37 git branch
38 touch deleop.txt
39 git add develop develop.txt
40 git add deleop.txt
41 git commit -m "deleop.txt commit"
42 git checkout f1
43 git branch
44 touch f1.txt
45 git add f1.txt
46 git commit -m "f1.txt commit"
47 touch f1.txt
48 git add f1.txt
49 git commit -m "f1.txt committing"
50 touch F1.txt
51 git add F1.txt
52 git commit -m "F1.txt commit"
53 git checkout f2
54 git branch
55 touch F2.txt
56 git add F2.txt
57 git commit -m "F2.txt commit"
58 git commit -m "F2.txt commit"
59 git remote add origin https://github.com/premswapnil/Git-Assignment3.git
60 git push origin --all
61 git branch
62 git checkout master
63 git branch
64 git branch delete -D f2
65 git branch
66 history
```

ubuntu@ip-172-30-0-159:~/Assignment3\$

i-060d37ebf5b7eced0 (Assignment-3)

Public IPs: 54.221.112.79 Private IPs: 172.30.0.159

Git-Assignment-4

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EC2 RDS IAM

EC2 Instances Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Li  Browse more AMIs Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type Free tier eligible

Summary

Number of instances Info
1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

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EC2 RDS IAM

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-04b70fa74e45c3917 (64-bit (x86)) / ami-0eac975a54dfee8cb (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description
Canonical, Ubuntu, 24.04 LTS, amd64 noble image build on 2024-04-23

Architecture 64-bit (x86) AMI ID ami-04b70fa74e45c3917 Verified provider

Instance type Info | Get advice

Instance type t2.micro Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

All generations Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required Swapnil Create new key pair

Summary

Number of instances 1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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1 volume(s) - 8 GiB

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Cancel Launch instance Review commands

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EC2 RDS IAM

Network settings

Network | Info
vpc-020050eeb89f650ee | Default VPC

Subnet | Info
subnet-0cd8f86e5a754829f

Auto-assign public IP | Info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) | Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-17' with the following rules:

Allow SSH traffic from Anywhere
Helps you connect to your instance
0.0.0.0/0

Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Configure storage

Advanced

1x 8 GiB gp3 Root volume (Encrypted)

Summary

Number of instances | Info
1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
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New security group

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1 volume(s) - 8 GiB

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Cancel Launch instance Review commands

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EC2 RDS IAM

Helps you connect to your instance Anywhere 0.0.0.0/0

Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Configure storage Info Advanced

1x 8 GiB gp3 Root volume (Encrypted)

ⓘ Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

ⓘ Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

Advanced details Info

Summary

Number of instances 1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

ⓘ Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

This screenshot shows the AWS EC2 instance creation wizard. It's on the 'Configure storage' step. The user has selected a 1x 8 GiB gp3 root volume (Encrypted). A note indicates that free-tier eligible customers can get up to 30 GB of EBS storage. Below this, a message states that the selected AMI contains more instance store volumes than allowed, so only the first 0 are accessible. There's also a note about refreshing for backup information and assigning tags for Data Lifecycle Manager policies. The 'Advanced' tab is visible. On the right, the 'Summary' section shows 1 instance being launched, using a Canonical, Ubuntu 24.04 LTS AMI (ami-04b70fa74e45c3917), with a t2.micro instance type, a new security group, and 1 volume (8 GiB). A detailed note about the free tier is displayed, mentioning 750 hours of t2.micro usage, 750 public IPv4 addresses, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth. At the bottom are 'Cancel', 'Launch instance' (in orange), and 'Review commands' buttons.

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EC2 RDS IAM

EC2 Dashboard EC2 Global View Events Console-to-Code Preview Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs

Instances (1/2) Info Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pu
<input checked="" type="checkbox"/> Assignment-4	i-0e13113b86e76a988	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2
<input type="checkbox"/> Assignment-3	i-060d37ebf5b7eced0	Terminated	t2.micro	-	View alarms +	us-east-1a	-

i-0e13113b86e76a988 (Assignment-4)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Instance ID i-0e13113b86e76a988 (Assignment-4)	Public IPv4 address 54.236.21.209 open address	Private IPv4 addresses 172.30.0.55
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-54-236-21-209.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-30-0-55.ec2.internal	Private IP DNS name (IPv4 only) ip-172-30-0-55.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 54.236.21.209 [Public IP]	VPC ID vpc-020050eeb89f650ee (Default VPC)	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-0cd8f86e5a754829f	
IMDSv2 Required	Instance ARN arn:aws:ec2:us-east-1:866650389532:instance/i-0e13113b86e76a988	

Instance details

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EC2 RDS IAM

EC2 Instances i-0e13113b86e76a988 Connect to instance

Connect to instance Info

Connect to your instance i-0e13113b86e76a988 (Assignment-4) using any of these options

EC2 Instance Connect Session Manager SSH client EC2 serial console

Instance ID [i-0e13113b86e76a988 \(Assignment-4\)](#)

Connection Type

Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address [54.236.21.209](#)

Username X

Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel Connect

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-55:~$ sudo apt update -y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 Packages [1401 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main Translation-en [513 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [163 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [42.8 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [6876 B]
Get:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [54.8 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [20.1 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:15 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [112 B]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [70.1 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [14.3 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [116 B]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted amd64 Packages [93.9 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted Translation-en [18.7 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [182 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [50.3 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [8564 B]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [77.0 kB]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [28.2 kB]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [112 B]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [112 kB]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [21.4 kB]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [13.0 kB]
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3476 B]
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [212 B]
```

i-0e13113b86e76a988 (Assignment-4)

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

aws | Services | Search [Alt+S] | X ▲ ? ⚙️ | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
Get:52 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 29.2 MB in 6s (5137 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
77 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-30-0-55:~$ 
ubuntu@ip-172-30-0-55:~$ mkdir Assignment4
ubuntu@ip-172-30-0-55:~$ cd Assignment4
ubuntu@ip-172-30-0-55:~/Assignment4$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/Assignment4/.git/
ubuntu@ip-172-30-0-55:~/Assignment4$ touch master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git add master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git commit -m "master.txt committing"
[master (root-commit) 468f073] master.txt committing
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ 
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-55:~/Assignment4$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/Assignment4/.git/
ubuntu@ip-172-30-0-55:~/Assignment4$ touch master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git add master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git commit -m "master.txt committing"
[master (root-commit) 468f073] master.txt committing
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
* master
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch public1
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch public2
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch private
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
* master
private
public1
public2
ubuntu@ip-172-30-0-55:~/Assignment4$
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

```
public2
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public1
Switched to branch 'public1'
ubuntu@ip-172-30-0-55:~/Assignment4$ bit branch
Command 'bit' not found, did you mean:
  command 'bt1' from deb bti (034-6)
  command 'bat' from deb bacula-console-qt (9.6.7-7)
  command 'wit' from deb wit (3.01a-4.1)
  command 'bst' from deb buildstream (1.6.9-1)
  command 'vit' from deb vit (2.3.2-1)
  command 'btt' from deb blktrace (1.2.0-5)
  command 'bkt' from deb bkt (0.6.1-2)
  command 'git' from deb git (1:2.43.0-1ubuntu1)
  command 'bip' from deb bip (0.9.3-1)
Try: sudo apt install <deb name>
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
  master
  private
* public1
  public2
ubuntu@ip-172-30-0-55:~/Assignment4$ touch public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ ls
master.txt  public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git add public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git commit -m "public1.txt commit"
[public1 24ddbbe] public1.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0e13113b86e76a988&osUser=ubuntu&sshPort=22#/

aws | Services | Search [Alt+S]

EC2 RDS IAM

```
master
private
* public1
public2
ubuntu@ip-172-30-0-55:~/Assignment4$ history
 1 sudo apt update -y
 2 mkdir Assignment4
 3 cd Assignment4
 4 git init
 5 touch master.txt
 6 git add master.txt
 7 git commit -m "master.txt committing"
 8 git branch
 9 git branch public1
10 git branch public2
11 git branch private
12 git branch
13 git checkout public1
14 bit branch
15 git branch
16 touch public1.txt
17 ls
18 git add public1.txt
19 git commit -m "public1.txt commit"
20 git branch
21 clear
22 sudo apt update -y
23 mkdir Assignment4
24 cd Assignment4
25 git init
26 git branch
27 history
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
* master
  private
  public1
  public2
```

i-0e13113b86e76a988 (Assignment-4)

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

aws | Services | Search [Alt+S]

EC2 RDS IAM

```
10 git branch public2
11 git branch private
12 git branch
13 git checkout public1
14 bit branch
15 git branch
16 touch public1.txt
17 ls
18 git add public1.txt
19 git commit -m "public1.txt commit"
20 git branch
21 clear
22 sudo apt update -y
23 mkdir Assignment4
24 cd Assignment4
25 git init
26 git branch
27 history
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
* master
  private
  public1
  public2
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge public1
Updating 468f073..24ddbbe
Fast-forward
  public1.txt | 0
  1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ ls
master.txt  public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
* master
  private
  public1
  public2
ubuntu@ip-172-30-0-55:~/Assignment4$ 
```

i-0e13113b86e76a988 (Assignment-4)

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

AWS | Services | Search [Alt+S] | X | A | ⓘ | N. Virginia | Intellipaat-Swannil

EC2 RDS IAM

```
23 mkdir Assignment4
24 cd Assignment4
25 git init
26 git branch
27 history
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
* master
  private
  public1
  public2
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge public1
Updating 468f073..24ddbbe
Fast-forward
 public1.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ ls
master.txt  public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
* master
  private
  public1
  public2
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge public2
Already up to date.
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout private
Switched to branch 'private'
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
  master
* private
  public1
  public2
ubuntu@ip-172-30-0-55:~/Assignment4$ ls
master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo nano master.txt[]
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55



[Read 0 lines]

^G Help	^O Write Out	^W Where Is	^F Cut	^T Execute	^C Location	M-U Undo	M-A Set Mark	M-) To Bracket	M-Q Previous	^B Back	^P Prev Word
X Exit	^R Read File	^V Replace	^U Paste	^J Justify	^/ Go To Line	M-E Redo	M-G Copy	^C Where Was	M-W Next	^F Forward	^N Next Word

i-0e13113b86e76a988 (Assignment-4)



PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

aws | Services | Search [Alt+S] | [] | [] | [] | N. Virginia | Intellipaat-Swannil

EC2 RDS IAM

GNU nano 7.2

This is master file editing for Assignment4.

master.txt

[Read 1 line]

^G Help ^C Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^E Back ^P Prev Word
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^C Where Was M-W Next ^F Forward ^N Next Word

i-0e13113b86e76a988 (Assignment-4) X

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

AWS Services Search [Alt+S]

EC2 RDS IAM

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ ls
master.txt  public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
* master
  private
  public1
  public2
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge public2
Already up to date.
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout private
Switched to branch 'private'
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
  master
* private
  public1
  public2
ubuntu@ip-172-30-0-55:~/Assignment4$ ls
master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo nano master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo nano master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git add .
ubuntu@ip-172-30-0-55:~/Assignment4$ git commit -m "private branch commit"
[private 7078c42] private branch commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ []
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
  master
* private
  public1
  public2
ubuntu@ip-172-30-0-55:~/Assignment4$ ls
master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo nano master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo nano master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git add .
ubuntu@ip-172-30-0-55:~/Assignment4$ git commit -m "private branch commit"
[private 7078c42] private branch commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public1
Switched to branch 'public1'
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Merge made by the 'ort' strategy.
 master.txt | 1 +
 1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ 
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

GNU nano 7.2 /home/ubuntu/Assignment4/.git/MERGE_MSG

```
merge branch 'private' into public1
Please enter a commit message to explain why this merge is necessary,
especially if it merges an updated upstream into a topic branch.
Lines starting with '#' will be ignored, and an empty message aborts
the commit.
```

[Read 6 lines]

^G Help ^C Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo ^A Set Mark M-] To Bracket M-Q Previous ^B Back ^R Read File ^V Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^C Where Was M-W Next ^F Forward ^P Prev Word ^N Next Word

i-0e13113b86e76a988 (Assignment-4) X

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
* private
public1
public2
ubuntu@ip-172-30-0-55:~/Assignment4$ ls
master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo nano master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo nano master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git add .
ubuntu@ip-172-30-0-55:~/Assignment4$ git commit -m "private branch commit"
[private 7078c42] private branch commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public1
Switched to branch 'public1'
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Merge made by the 'ort' strategy.
master.txt | 1 +
1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
This is master file editing for Assignment4.
ubuntu@ip-172-30-0-55:~/Assignment4$ []
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public1
Switched to branch 'public1'
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Merge made by the 'ort' strategy.
 master.txt | 1 +
 1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
This is master file editing for Assignment4.
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public2
Switched to branch 'public2'
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Updating 468f073..7078c42
Fast-forward
 master.txt | 1 +
 1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
This is master file editing for Assignment4.
ubuntu@ip-172-30-0-55:~/Assignment4$ 
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swannil

EC2 RDS IAM

following command and follow the instructions in your editor to edit your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public1
Switched to branch 'public1'
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Merge made by the 'ort' strategy.
master.txt | 1 +
1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
This is master file editing for Assignment4.
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public2
Switched to branch 'public2'
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Updating 468f073..7078c42
Fast-forward
master.txt | 1 +
1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
This is master file editing for Assignment4.
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private[]
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S]

EC2 RDS IAM

GNU nano 7.2

/home/ubuntu/Assignment4/.git/MERGE_MSG

```
Merge branch 'private'
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

[Read 6 lines]

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-) To Bracket M-Q Previous ^B Back ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^C Where Was M-W Next ^F Forward ^A Prev Word ^P Next Word

i-0e13113b86e76a988 (Assignment-4) X

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

EC2 RDS IAM

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author

1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public1
Switched to branch 'public1'
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Merge made by the 'ort' strategy.
master.txt | 1 +
1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
This is master file editing for Assignment4.
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public2
Switched to branch 'public2'
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Updating 468f073..7078c42
Fast-forward
master.txt | 1 +
1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
This is master file editing for Assignment4.
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Merge made by the 'ort' strategy.
master.txt | 1 +
1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ 
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public1
Switched to branch 'public1'
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Merge made by the 'ort' strategy.
  master.txt | 1 +
   1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
This is master file editing for Assignment4.
ubuntu@ip-172-30-0-55:~/Assignment4$ 
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout public2
Switched to branch 'public2'
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Updating 468f073..7078c42
Fast-forward
  master.txt | 1 +
   1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ sudo cat master.txt
This is master file editing for Assignment4.
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge private
Merge made by the 'ort' strategy.
  master.txt | 1 +
   1 file changed, 1 insertion(+)
ubuntu@ip-172-30-0-55:~/Assignment4$ git checkout private
Switched to branch 'private'
ubuntu@ip-172-30-0-55:~/Assignment4$ git branch
  master
 * private
   public1
   public2
ubuntu@ip-172-30-0-55:~/Assignment4$ git merge master
Updating 7078c42..03afeb2
Fast-forward
  public1.txt | 0
   1 file changed, 0 insertions(+), 0 deletions(-)
   create mode 100644 public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ ls
master.txt  public1.txt
ubuntu@ip-172-30-0-55:~/Assignment4$ 
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-55:~/Assignment4$ history
1 sudo apt update -y
2 mkdir Assignment4
3 cd Assignment4
4 git init
5 touch master.txt
6 git add master.txt
7 git commit -m "master.txt committing"
8 git branch
9 git branch public1
10 git branch public2
11 git branch private
12 git branch
13 git checkout public1
14 bit branch
15 git branch
16 touch public1.txt
17 ls
18 git add public1.txt
19 git commit -m "public1.txt commit"
20 git branch
21 clear
22 sudo apt update -y
23 mkdir Assignment4
24 cd Assignment4
25 git init
26 git branch
27 history
28 git checkout master
29 git branch
30 git merge public1
31 ls
32 git branch
33 git merge public2
34 git checkout private
35 git branch
36 ls
37 sudo nano master.txt
38 git add .
39 git commit -m "private branch commit"
40 git checkout public1
41 git merge private
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
13 git checkout public1
14 bit branch
15 git branch
16 touch public1.txt
17 ls
18 git add public1.txt
19 git commit -m "public1.txt commit"
20 git branch
21 clear
22 sudo apt update -y
23 mkdir Assignment4
24 cd Assignment4
25 git init
26 git branch
27 history
28 git checkout master
29 git branch
30 git merge public1
31 ls
32 git branch
33 git merge public2
34 git checkout private
35 git branch
36 ls
37 sudo nano master.txt
38 git add .
39 git commit -m "private branch commit"
40 git checkout public1
41 git merge private
42 sudo cat master.txt
43 git checkout public2
44 sudo cat master.txt
45 git merge private
46 sudo cat master.txt
47 git checkout master
48 git merge private
49 git checkout private
50 git branch
51 git merge master
52 ls
53 history
```

ubuntu@ip-172-30-0-55:~/Assignment4\$

i-0e13113b86e76a988 (Assignment-4)

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

Git-Assignment-5

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-55:~$ 
ubuntu@ip-172-30-0-55:~$ mkdir git-workflow Assignment5
ubuntu@ip-172-30-0-55:~$ cd git-wotkflow Assignment5
-bash: cd: too many arguments
ubuntu@ip-172-30-0-55:~$ mkdir git-workglow
ubuntu@ip-172-30-0-55:~$ cd git-workglow
ubuntu@ip-172-30-0-55:~/git-workglow$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/git-workglow/.git/
ubuntu@ip-172-30-0-55:~/git-workglow$ touch README.MD
ubuntu@ip-172-30-0-55:~/git-workglow$ ls
README.MD
ubuntu@ip-172-30-0-55:~/git-workglow$ git add .
ubuntu@ip-172-30-0-55:~/git-workglow$ git commit -m "readme.md file commit"
[master (root-commit) 8aa80f9] readme.md file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 README.MD
ubuntu@ip-172-30-0-55:~/git-workglow$ []
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
hint: git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint: git branch -m <name>
Initialized empty Git repository in /home/ubuntu/git-workglow/.git/
ubuntu@ip-172-30-0-55:~/git-workglow$ touch README.MD
ubuntu@ip-172-30-0-55:~/git-workglow$ ls
README.MD
ubuntu@ip-172-30-0-55:~/git-workglow$ git add .
ubuntu@ip-172-30-0-55:~/git-workglow$ git commit -m "readme.md file commit"
[master (root-commit) 8aa80f9] readme.md file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 README.MD
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
* master
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch develop
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch f1
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch f2
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch f3
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
  develop
  f1
  f2
  f3
* master
ubuntu@ip-172-30-0-55:~/git-workglow$
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
* master
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch develop
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch f1
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch f2
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch f3
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
  develop
  f1
  f2
  f3
* master
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout develop
Switched to branch 'develop'
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
* develop
  f1
  f2
  f3
  master
ubuntu@ip-172-30-0-55:~/git-workglow$ touch develop.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ git add .
ubuntu@ip-172-30-0-55:~/git-workglow$ git commit -m "develop.txt file commit"
[develop c3c1801] develop.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 develop.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ []
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

You can suppress this message by setting them explicitly. Run the following command and follow the instructions in your editor to edit your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 develop.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ 
ubuntu@ip-172-30-0-55:~/git-workflow$ 
ubuntu@ip-172-30-0-55:~/git-workflow$ git checkout f1
Switched to branch 'f1'
ubuntu@ip-172-30-0-55:~/git-workflow$ git branch
  develop
* f1
  f2
  f3
* master
ubuntu@ip-172-30-0-55:~/git-workflow$ touch f1.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ git add .
ubuntu@ip-172-30-0-55:~/git-workflow$ git commit -m "F1.txt commit"
[f1 693807c] F1.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ []
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

warn | Services Search [Alt+S] | | | | | N. Virginia | Intellipaat-Swapnil

You can suppress this message by setting them explicitly. Run the following command and follow the instructions in your editor to edit your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout f2
Switched to branch 'f2'
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
  develop
    f1
* f2
  f3
  master
ubuntu@ip-172-30-0-55:~/git-workglow$ touch f2.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ git add .
ubuntu@ip-172-30-0-55:~/git-workglow$ git commit -m "F2.txt commit"
[f2 6bb5b62] F2.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f2.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ []
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

You can suppress this message by setting them explicitly. Run the following command and follow the instructions in your editor to edit your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f2.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout f3
Switched to branch 'f3'
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
  develop
    f1
    f2
* f3
  master
ubuntu@ip-172-30-0-55:~/git-workglow$ touch f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ git add .
ubuntu@ip-172-30-0-55:~/git-workglow$ git commit -m "F3.txt commit"
[f3 793497f] F3.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ []
```

i-0e13113b86e76a988 (Assignment-4)

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55



AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainl

EC2 RDS IAM

```
Switched to branch 'f3'
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
  develop
  f1
  f2
* f3
  master
ubuntu@ip-172-30-0-55:~/git-workglow$ touch f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ git add .
ubuntu@ip-172-30-0-55:~/git-workglow$ git commit -m "F3.txt commit"
[f3 793497f] F3.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout f2
Switched to branch 'f2'
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
  develop
  f1
* f2
  f3
  master
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge f2
Already up to date.
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge f3
Merge made by the 'ort' strategy.
 f3.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ []
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 7.2

/home/ubuntu/git-workglow/.git/MERGE_MSG

```
Merge branch 'f3' into f2
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

[Read 6 lines]

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-) To Bracket M-Q Previous ^B Back ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^C Where Was M-W Next ^F Forward ^P Prev Word ^N Next Word

i-0e13113b86e76a988 (Assignment-4) X

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swannil

EC2 RDS IAM

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ git checkout f2
Switched to branch 'f2'
ubuntu@ip-172-30-0-55:~/git-workflow$ git branch
  develop
  f1
* f2
  f3
  master
ubuntu@ip-172-30-0-55:~/git-workflow$ git merge f3
Already up to date.
ubuntu@ip-172-30-0-55:~/git-workflow$ git merge f3
Merge made by the 'ort' strategy.
  f3.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ ls
README.md  f2.txt  f3.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ 
ubuntu@ip-172-30-0-55:~/git-workflow$ 
ubuntu@ip-172-30-0-55:~/git-workflow$ 
ubuntu@ip-172-30-0-55:~/git-workflow$ 
ubuntu@ip-172-30-0-55:~/git-workflow$ 
ubuntu@ip-172-30-0-55:~/git-workflow$ 
ubuntu@ip-172-30-0-55:~/git-workflow$ git checkout f1
Switched to branch 'f1'
ubuntu@ip-172-30-0-55:~/git-workflow$ git branch
  develop
* f1
  f2
  f3
  master
ubuntu@ip-172-30-0-55:~/git-workflow$ git merge f2
Merge made by the 'ort' strategy.
  f2.txt | 0
  f3.txt | 0
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f2.txt
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ 
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

aws | Services | Search [Alt+S]

EC2 RDS IAM

GNU nano 7.2 /home/ubuntu/git-workflow/.git/MERGE_MSG

```
merge branch 'f2' into f1
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

[Wrote 6 lines]

^G Help ^C Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was M-W Next ^F Forward ^P Prev Word ^N Next Word

i-0e13113b86e76a988 (Assignment-4) X

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

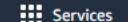
AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-55:~/git-workglow$  
ubuntu@ip-172-30-0-55:~/git-workglow$  
ubuntu@ip-172-30-0-55:~/git-workglow$  
ubuntu@ip-172-30-0-55:~/git-workglow$  
ubuntu@ip-172-30-0-55:~/git-workglow$  
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout f1  
Switched to branch 'f1'  
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch  
  develop  
* f1  
  f2  
  f3  
 master  
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge f2  
Merge made by the 'ort' strategy.  
 f2.txt | 0  
 f3.txt | 0  
 2 files changed, 0 insertions(+), 0 deletions(-)  
 create mode 100644 f2.txt  
 create mode 100644 f3.txt  
ubuntu@ip-172-30-0-55:~/git-workglow$  
ubuntu@ip-172-30-0-55:~/git-workglow$  
ubuntu@ip-172-30-0-55:~/git-workglow$  
ubuntu@ip-172-30-0-55:~/git-workglow$ gir checkout develop  
Command 'gir' not found, but can be installed with:  
sudo apt install gir-rust-code-generator  
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch  
  develop  
* f1  
  f2  
  f3  
 master  
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout develop  
Switched to branch 'develop'  
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch  
* develop  
 f1  
 f2  
 f3  
 master  
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge f1[]
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS | Services | Search [Alt+S] |                                                 <img alt="AWS Lambda icon" data-bbox="8015 70 8025

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
f3
master
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge f2
Merge made by the 'ort' strategy.
f2.txt | 0
f3.txt | 0
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f2.txt
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ gir checkout develop
Command 'gir' not found, but can be installed with:
sudo apt install gir-rust-code-generator
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
  develop
* f1
  f2
  f3
 master
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout develop
Switched to branch 'develop'
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
* develop
  f1
  f2
  f3
 master
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge f1
Merge made by the 'ort' strategy.
f1.txt | 0
f2.txt | 0
f3.txt | 0
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
create mode 100644 f2.txt
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ ls
README.MD develop.txt f1.txt f2.txt f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ 
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
* develop
f1
f2
f3
master
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge f1
Merge made by the 'ort' strategy.
f1.txt | 0
f2.txt | 0
f3.txt | 0
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
create mode 100644 f2.txt
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ ls
README.MD develop.txt f1.txt f2.txt f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
  develop
    f1
    f2
    f3
* master
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge develop
Updating 8aa80f9..b0e78f0
Fast-forward
  develop.txt | 0
  f1.txt      | 0
  f2.txt      | 0
  f3.txt      | 0
4 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 develop.txt
create mode 100644 f1.txt
create mode 100644 f2.txt
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ ls
README.MD develop.txt f1.txt f2.txt f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ []
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
master
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge f1
Merge made by the 'ort' strategy.
f1.txt | 0
f2.txt | 0
f3.txt | 0
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
create mode 100644 f2.txt
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ ls
README.MD develop.txt f1.txt f2.txt f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ 
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch
  develop
  f1
  f2
  f3
* master
ubuntu@ip-172-30-0-55:~/git-workglow$ git merge develop
Updating 8aa80f9..b0e78f0
Fast-forward
  develop.txt | 0
  f1.txt      | 0
  f2.txt      | 0
  f3.txt      | 0
4 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 develop.txt
create mode 100644 f1.txt
create mode 100644 f2.txt
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ ls
README.MD develop.txt f1.txt f2.txt f3.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ git branch hotfix
ubuntu@ip-172-30-0-55:~/git-workglow$ git checkout hotfix
Switched to branch 'hotfix'
ubuntu@ip-172-30-0-55:~/git-workglow$ touch urgent.txt
ubuntu@ip-172-30-0-55:~/git-workglow$ sudo nano urgent.txt[]
```

i-0e13113b86e76a988 (Assignment-4)

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 7.2

This is hotfix branch created for bug resolutions and new feature will be added.[] urgent.txt *

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location ^U Undo ^P Set Mark ^-] To Bracket ^Q Previous ^B Back ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line ^E Redo ^G Copy ^Q Where Was ^W Next ^F Forward ^A Prev Word ^V Paste ^X Exit ^N Next Word

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swannil

EC2 RDS IAM

```
f1
f2
f3
* master
ubuntu@ip-172-30-0-55:~/git-workflow$ git merge develop
Updating 8aa80f9..b0e78f0
Fast-forward
develop.txt | 0
f1.txt | 0
f2.txt | 0
f3.txt | 0
4 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 develop.txt
create mode 100644 f1.txt
create mode 100644 f2.txt
create mode 100644 f3.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ ls
README.md develop.txt f1.txt f2.txt f3.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ git branch hotfix
ubuntu@ip-172-30-0-55:~/git-workflow$ git checkout hotfix
Switched to branch 'hotfix'
ubuntu@ip-172-30-0-55:~/git-workflow$ touch urgent.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ sudo nano urgent.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ git add .
ubuntu@ip-172-30-0-55:~/git-workflow$ git commit -m "Hotfix.txt file commit"
[hotfix eaece60] Hotfix.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 1 insertion(+)
create mode 100644 urgent.txt
ubuntu@ip-172-30-0-55:~/git-workflow$
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swannil

EC2 RDS IAM

```
README.MD develop.txt f1.txt f2.txt f3.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ git branch hotfix
ubuntu@ip-172-30-0-55:~/git-workflow$ git checkout hotfix
Switched to branch 'hotfix'
ubuntu@ip-172-30-0-55:~/git-workflow$ touch urgent.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ sudo nano urgent.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ git add .
ubuntu@ip-172-30-0-55:~/git-workflow$ git commit -m "Hotfix.txt file commit"
[hotfix eaece60] Hotfix.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-55.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 1 insertion(+)
create mode 100644 urgent.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-55:~/git-workflow$ git branch
  develop
* f1
  f2
  f3
  hotfix
* master
ubuntu@ip-172-30-0-55:~/git-workflow$ git merge hotfix
Updating b0e78f0..eaece60
Fast-forward
  urgent.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 urgent.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ ls
README.MD develop.txt f1.txt f2.txt f3.txt urgent.txt
ubuntu@ip-172-30-0-55:~/git-workflow$ 
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55

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EC2 RDS IAM

```
54 cd
55 mkdir git-workflow Assignment5
56 cd git-wotkflow Assignment5
57 mkdir git-workglow
58 cd git-workglow
59 git init
60 touch README.MD
61 ls
62 git add .
63 git commit -m "readme.md file commit"
64 git branch
65 git branch develop
66 git branch f1
67 git branch f2
68 git branch f3
69 git branch
70 git checkout develop
71 git branch
72 touch develop.txt
73 git add .
74 git commit -m "develop.txt file commit"
75 git checkout f1
76 git branch
77 touch f1.txt
78 git add .
79 git commit -m "F1.txt commit"
80 git checkout f2
81 git branch
82 touch f2.txt
83 git add .
84 git commit -m "F2.txt commit"
85 git checkout f3
86 git branch
87 touch f3.txt
88 git add .
89 git commit -m "F3.txt commit"
90 git checkout f2
91 git branch
92 git merge f2
93 git merge f3
94 ls
95 git checkout f1
```

i-0e13113b86e76a988 (Assignment-4)

PublicIPs: 54.236.21.209 PrivateIPs: 172.30.0.55



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EC2 RDS IAM

```
78 git add .
79 git commit -m "F1.txt commit"
80 git checkout f2
81 git branch
82 touch f2.txt
83 git add .
84 git commit -m "F2.txt commit"
85 git checkout f3
86 git branch
87 touch f3.txt
88 git add .
89 git commit -m "F3.txt commit"
90 git checkout f2
91 git branch
92 git merge f2
93 git merge f3
94 ls
95 git checkout f1
96 git branch
97 git merge f2
98 git checkout develop
99 git branch
100 git checkout develop
101 git branch
102 git merge f1
103 ls
104 git checkout master
105 git branch
106 git merge develop
107 ls
108 git branch hotfix
109 git checkout hotfix
110 touch urgent.txt
111 sudo nano urgent.txt
112 git add .
113 git commit -m "Hotfix.txt file commit"
114 git checkout master
115 git branch
116 git merge hotfix
117 ls
118 history
```

ubuntu@ip-172-30-0-55:~/git-workflow\$ []

i-0e13113b86e76a988 (Assignment-4)

Public IPs: 54.236.21.209 Private IPs: 172.30.0.55

CASE STUDY – GIT WORKFLOW

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EC2 RDS IAM

EC2 Instances Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Li  Browse more AMIs Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type Free tier eligible

Summary

Number of instances Info 1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

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EC2 RDS IAM

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-04b70fa74e45c3917 (64-bit (x86)) / ami-0eac975a54dfee8cb (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description
Canonical, Ubuntu, 24.04 LTS, amd64 noble image build on 2024-04-23

Architecture AMI ID
64-bit (x86) ami-04b70fa74e45c3917 Verified provider

Instance type Info | Get advice

Instance type
t2.micro Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

All generations Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required
Swapnil Create new key pair

Summary

Number of instances 1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

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EC2 RDS IAM

Network settings

Network | Info
vpc-020050eeb89f650ee | Default VPC

Subnet | Info
subnet-0cd8f86e5a754829f

Auto-assign public IP | Info
Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) | Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-18' with the following rules:

Allow SSH traffic from Anywhere
Helps you connect to your instance

Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Configure storage

Advanced

1x 8 GiB gp3 Root volume (Encrypted)

Summary

Number of instances | Info
1

Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

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EC2 RDS IAM

Helps you connect to your instance Anywhere 0.0.0.0/0

Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Configure storage Info Advanced

1x 8 GiB gp3 Root volume (Encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

Advanced details Info

Summary

Number of instances 1

Software Image (AMI) Canonical, Ubuntu, 24.04 LTS, ...read more ami-04b70fa74e45c3917

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

This screenshot shows the AWS EC2 instance creation wizard. It's on the 'Configure storage' step. The user has selected 1x 8 GiB gp3 as the root volume (Encrypted). A note indicates that free-tier eligible customers can get up to 30 GB of EBS storage. Below this, a message states that the selected AMI contains more instance store volumes than the instance allows, so only the first 0 are accessible. There's also a note about refreshing for backup information and assigning tags. The 'Advanced' tab is visible. On the right, the 'Summary' section shows 1 instance being launched, using the Canonical, Ubuntu 24.04 LTS AMI, with a t2.micro instance type, a new security group, and 1 encrypted volume of 8 GiB. A large callout box highlights the free tier benefits. At the bottom are 'Cancel', 'Launch instance' (in orange), and 'Review commands' buttons.

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EC2 RDS IAM

EC2 Dashboard EC2 Global View Events Console-to-Code Preview Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs

Instances (1/2) Info Find Instance by attribute or tag (case-sensitive) All states ▾

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pu
Assignment-4	i-0e13113b86e76a988	Terminated	t2.micro	-	View alarms +	us-east-1a	-
Case-Study1	i-09f466d0c3cc766de	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2

i-09f466d0c3cc766de (Case-Study1)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-09f466d0c3cc766de (Case-Study1)	3.93.196.98 open address	172.30.0.253
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-3-93-196-98.compute-1.amazonaws.com open address
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-172-30-0-253.ec2.internal	ip-172-30-0-253.ec2.internal	-
Answer private resource DNS name	Instance type	AWS Compute Optimizer finding
-	t2.micro	Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address	VPC ID	Auto Scaling Group name
3.93.196.98 [Public IP]	vpc-020050eeb89f650ee (Default VPC)	-
IAM Role	Subnet ID	
-	subnet-0cd8f86e5a754829f	
IMDSv2	Instance ARN	
Required	arn:aws:ec2:us-east-1:866650389532:instance/i-09f466d0c3cc766de	

Instance details Info

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EC2 RDS IAM

EC2 > Instances > i-09f466d0c3cc766de > Connect to instance

Connect to instance Info

Connect to your instance i-09f466d0c3cc766de (Case-Study1) using any of these options

EC2 Instance Connect Session Manager SSH client EC2 serial console

Instance ID [i-09f466d0c3cc766de \(Case-Study1\)](#)

Connection Type

Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address [3.93.196.98](#)

Username Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.



Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

[Cancel](#) [Connect](#)

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EC2 RDS IAM

```
ubuntu@ip-172-30-0-253:~$ sudo apt update -y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 Packages [1401 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main Translation-en [513 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [163 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [42.8 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [6876 B]
Get:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [54.8 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [20.1 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:15 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [112 B]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [70.1 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [14.3 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [116 B]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted amd64 Packages [93.9 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/restricted Translation-en [18.7 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [182 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [50.3 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [8564 B]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [77.0 kB]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [28.2 kB]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [112 B]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [112 kB]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [21.4 kB]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [13.0 kB]
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3476 B]
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [212 B]
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

aws | Services | Search [Alt+S] | | | | | N. Virginia | Intellipaat-Swapnil

77 packages can be upgraded. Run 'apt list --upgradable' to see them.

```
ubuntu@ip-172-30-0-253:~$ 
ubuntu@ip-172-30-0-253:~$ 
ubuntu@ip-172-30-0-253:~$ 
ubuntu@ip-172-30-0-253:~$ 
ubuntu@ip-172-30-0-253:~$ 
ubuntu@ip-172-30-0-253:~$ mkdir cs1
ubuntu@ip-172-30-0-253:~$ cd cs1
ubuntu@ip-172-30-0-253:~/cs1$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/cs1/.git/
ubuntu@ip-172-30-0-253:~/cs1$ touch m1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git add m1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "m1.txt file commit"
[master (root-commit) 4c68427] m1.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 m1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git branch
* master
ubuntu@ip-172-30-0-253:~/cs1$ 
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

AWS Services Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-253:~$ mkdir cs1
ubuntu@ip-172-30-0-253:~$ cd cs1
ubuntu@ip-172-30-0-253:~/cs1$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/cs1/.git/
ubuntu@ip-172-30-0-253:~/cs1$ touch m1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git add m1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "m1.txt file commit"
[master (root-commit) 4c68427] m1.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 m1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git branch
* master
ubuntu@ip-172-30-0-253:~/cs1$ git branch t1
ubuntu@ip-172-30-0-253:~/cs1$ git branch t2
ubuntu@ip-172-30-0-253:~/cs1$ git branch
* master
t1
t2
ubuntu@ip-172-30-0-253:~/cs1$
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

aws Services Search [Alt+S]

EC2 RDS IAM

```
git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 m1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git branch
* master
ubuntu@ip-172-30-0-253:~/cs1$ git branch t1
ubuntu@ip-172-30-0-253:~/cs1$ git branch t2
ubuntu@ip-172-30-0-253:~/cs1$ git branch
* master
    t1
    t2
ubuntu@ip-172-30-0-253:~/cs1$ git checkout t1
Switched to branch 't1'
ubuntu@ip-172-30-0-253:~/cs1$ git branch
    master
* t1
  t2
ubuntu@ip-172-30-0-253:~/cs1$ touch t1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git add t1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "t1.txt commit"
[t1 9dcea7d] t1.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 t1.txt
ubuntu@ip-172-30-0-253:~/cs1$ []
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "t1.txt commit"
[t1 9dcea7d] t1.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 t1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git branch f1
ubuntu@ip-172-30-0-253:~/cs1$ git checkout f1
Switched to branch 'f1'
ubuntu@ip-172-30-0-253:~/cs1$ ls
t1.txt
ubuntu@ip-172-30-0-253:~/cs1$ touch f1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git add f1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "f1.txt commit"
[f1 78e369c] f1.txt commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
ubuntu@ip-172-30-0-253:~/cs1$
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

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EC2 RDS IAM

```
git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ git checkout t1
Switched to branch 't1'
ubuntu@ip-172-30-0-253:~/cs1$ git branch
  f1
    master
* t1
  t2
ubuntu@ip-172-30-0-253:~/cs1$ git merge f1
Updating 9dcea7d..78e369c
Fast-forward
  f1.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-253:~/cs1$ git branch
  f1
* master
  t1
  t2
ubuntu@ip-172-30-0-253:~/cs1$ git merge t1
Updating 4c68427..78e369c
Fast-forward
  f1.txt | 0
  t1.txt | 0
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
create mode 100644 t1.txt
ubuntu@ip-172-30-0-253:~/cs1$ ls
f1.txt  m1.txt  t1.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
```

i-09f466d0c3cc766de (Case-Study1)

Public IPs: 3.93.196.98 Private IPs: 172.30.0.253

AWS Services Search [Alt+S]

EC2 RDS IAM

```
Fast-forward
f1.txt | 0
t1.txt | 0
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f1.txt
create mode 100644 t1.txt
ubuntu@ip-172-30-0-253:~/cs1$ ls
f1.txt m1.txt t1.txt
ubuntu@ip-172-30-0-253:~/cs1$
ubuntu@ip-172-30-0-253:~/cs1$
ubuntu@ip-172-30-0-253:~/cs1$ history
 1 sudo apt update -y
 2 mkdir cs1
 3 cd cs1
 4 git init
 5 touch m1.txt
 6 git add m1.txt
 7 git commit -m "m1.txt file commit"
 8 git branch
 9 git branch t1
10 git branch t2
11 git branch
12 git checkout t1
13 git branch
14 touch t1.txt
15 git add t1.txt
16 git commit -m "t1.txt commit"
17 git branch f1
18 git checkout f1
19 ls
20 touch f1.txt
21 git add f1.txt
22 git commit -m "f1.txt commit"
23 git checkout t1
24 git branch
25 git merge f1
26 git checkout master
27 git branch
28 git merge t1
29 ls
30 history
ubuntu@ip-172-30-0-253:~/cs1$ 
```

i-09f466d0c3cc766de (Case-Study1) X

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
28 git merge t1
29 ls
30 history
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ git branch
  f1
* master
  t1
  t2
ubuntu@ip-172-30-0-253:~/cs1$ git checkout t2
Switched to branch 't2'
ubuntu@ip-172-30-0-253:~/cs1$ git branch
  f1
  master
  t1
* t2
ubuntu@ip-172-30-0-253:~/cs1$ toucj t2.txt
Command 'toucj' not found, did you mean:
  command 'touch' from deb coreutils (9.4-2ubuntu2)
Try: sudo apt install <deb name>
ubuntu@ip-172-30-0-253:~/cs1$ touch t2.txt
ubuntu@ip-172-30-0-253:~/cs1$ git add t2.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "t2.txt file commit"
[t2 a239285] t2.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 t2.txt
ubuntu@ip-172-30-0-253:~/cs1$ []
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

following command and follow the instructions in your editor to edit your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 t2.txt
ubuntu@ip-172-30-0-253:~/cs1$ git branch f2
ubuntu@ip-172-30-0-253:~/cs1$ git branch f3
ubuntu@ip-172-30-0-253:~/cs1$ git checkout f2
Switched to branch 'f2'
ubuntu@ip-172-30-0-253:~/cs1$ git branch
  f1
* f2
  f3
  master
  t1
  t2
ubuntu@ip-172-30-0-253:~/cs1$ touch f2.txt
ubuntu@ip-172-30-0-253:~/cs1$ git add f2.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "f2.txt file commit"
[f2 b0d0f4e] f2.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f2.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
```

i-09f466d0c3cc766de (Case-Study1)

Public IPs: 3.93.196.98 Private IPs: 172.30.0.253



AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f2.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ git checkout f3
Switched to branch 'f3'
ubuntu@ip-172-30-0-253:~/cs1$ git branch
  f1
  f2
* f3
  master
  t1
  t2
ubuntu@ip-172-30-0-253:~/cs1$ touch f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ got add f3.txt
Command 'got' not found, but can be installed with:
sudo apt install got
ubuntu@ip-172-30-0-253:~/cs1$ git add f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "f3.txt file commit"
[f3 be5653a] f3.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
```

i-09f466d0c3cc766de (Case-Study1)
PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
t1
t2
ubuntu@ip-172-30-0-253:~/cs1$ touch f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ got add f3.txt
Command 'got' not found, but can be installed with:
sudo apt install got
ubuntu@ip-172-30-0-253:~/cs1$ git add f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "f3.txt file commit"
[f3 be5653a] f3.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ git checkout t2
Switched to branch 't2'
ubuntu@ip-172-30-0-253:~/cs1$ git branch
  f1
  f2
  f3
* master
  t1
  * t2
ubuntu@ip-172-30-0-253:~/cs1$ git merge f2
Updating a239285..b0d0f4e
Fast-forward
 f2.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f2.txt
ubuntu@ip-172-30-0-253:~/cs1$ git merge f3
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

aws | Services | Search [Alt+S] | [] | [] | [] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 7.2

/home/ubuntu/cs1/.git/MERGE_MSG

```
Merge branch 'f3' into t2
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

[Read 6 lines]

^G Help ^O Write Out ^N Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-) To Bracket M-Q Previous ^B Back ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^C Where Was M-W Next ^F Forward ^P Prev Word ^N Next Word

i-09f466d0c3cc766de (Case-Study1) X

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
sudo apt install git
ubuntu@ip-172-30-0-253:~/cs1$ git add f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "f3.txt file commit"
[f3 be5653a] f3.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ git checkout t2
Switched to branch 't2'
ubuntu@ip-172-30-0-253:~/cs1$ git branch
  f1
  f2
  f3
* master
  t1
* t2
ubuntu@ip-172-30-0-253:~/cs1$ git merge f2
Updating a239285..b0d0f4e
Fast-forward
 f2.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 f2.txt
ubuntu@ip-172-30-0-253:~/cs1$ git merge f3
Merge made by the 'ort' strategy.
 f3.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

following command and follow the instructions in your editor to edit your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ git checkout t2
Switched to branch 't2'
ubuntu@ip-172-30-0-253:~/cs1$ git branch
  f1
  f2
  f3
* master
  t1
* t2
ubuntu@ip-172-30-0-253:~/cs1$ git merge f2
Updating a239285..b0d0f4e
Fast-forward
  f2.txt | 0
  1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 f2.txt
ubuntu@ip-172-30-0-253:~/cs1$ git merge f3
Merge made by the 'ort' strategy.
  f3.txt | 0
  1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 f3.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-253:~/cs1$ ls
f1.txt m1.txt t1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git merge t2[]
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

GNU nano 7.2

```
merge branch 't2'
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

[Read 6 lines]

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-) To Bracket M-Q Previous ^B Back ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-F Redo M-6 Copy ^C Where Was M-W Next ^F Forward ^P Prev Word ^N Next Word

i-09f466d0c3cc766de (Case-Study1) X

Public IPs: 3.93.196.98 Private IPs: 172.30.0.253

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-253:~/cs1$  
ubuntu@ip-172-30-0-253:~/cs1$ git checkout t2  
Switched to branch 't2'  
ubuntu@ip-172-30-0-253:~/cs1$ git branch  
  f1  
  f2  
  f3  
* master  
  t1  
* t2  
ubuntu@ip-172-30-0-253:~/cs1$ git merge f2  
Updating a239285..b0d0f4e  
Fast-forward  
  f2.txt | 0  
  1 file changed, 0 insertions(+), 0 deletions(-)  
  create mode 100644 f2.txt  
ubuntu@ip-172-30-0-253:~/cs1$ git merge f3  
Merge made by the 'ort' strategy.  
  f3.txt | 0  
  1 file changed, 0 insertions(+), 0 deletions(-)  
  create mode 100644 f3.txt  
ubuntu@ip-172-30-0-253:~/cs1$  
ubuntu@ip-172-30-0-253:~/cs1$  
ubuntu@ip-172-30-0-253:~/cs1$  
ubuntu@ip-172-30-0-253:~/cs1$  
ubuntu@ip-172-30-0-253:~/cs1$ git checkout master  
Switched to branch 'master'  
ubuntu@ip-172-30-0-253:~/cs1$ ls  
f1.txt  m1.txt  t1.txt  
ubuntu@ip-172-30-0-253:~/cs1$ git merge t2  
Merge made by the 'ort' strategy.  
  f2.txt | 0  
  f3.txt | 0  
  t2.txt | 0  
  3 files changed, 0 insertions(+), 0 deletions(-)  
  create mode 100644 f2.txt  
  create mode 100644 f3.txt  
  create mode 100644 t2.txt  
ubuntu@ip-172-30-0-253:~/cs1$ ls  
f1.txt  f2.txt  f3.txt  m1.txt  t1.txt  t2.txt  
ubuntu@ip-172-30-0-253:~/cs1$ []
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253



AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
19 ls
20 touch f1.txt
21 git add f1.txt
22 git commit -m "f1.txt commit"
23 git checkout t1
24 git branch
25 git merge f1
26 git checkout master
27 git branch
28 git merge t1
29 ls
30 history
31 git branch
32 git checkout t2
33 git branch
34 touch t2.txt
35 touch t2.txt
36 git add t2.txt
37 git commit -m "t2.txt file commit"
38 git branch f2
39 git branch f3
40 git checkout f2
41 git branch
42 touch f2.txt
43 git add f2.txt
44 git commit -m "f2.txt file commit"
45 git checkout f3
46 git branch
47 touch f3.txt
48 git add f3.txt
49 git add f3.txt
50 git commit -m "f3.txt file commit"
51 git checkout t2
52 git branch
53 git merge f2
54 git merge f3
55 git checkout master
56 ls
57 git merge t2
58 ls
59 history
ubuntu@ip-172-30-0-253:~/cs1$
```

i-09f466d0c3cc766de (Case-Study1) X

Public IPs: 3.93.196.98 Private IPs: 172.30.0.253

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ git branch hotfix
ubuntu@ip-172-30-0-253:~/cs1$ git branch
    f1
    f2
    f3
    hotfix
* master
    t1
    t2
ubuntu@ip-172-30-0-253:~/cs1$ gir checkout hotfix
Command 'gir' not found, but can be installed with:
sudo apt install gir-rust-code-generator
ubuntu@ip-172-30-0-253:~/cs1$ git checkout hotfix
Switched to branch 'hotfix'
ubuntu@ip-172-30-0-253:~/cs1$ touch h1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git add h1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "h1.txt file commit"
[hotfix cea85c2] h1.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 h1.txt
ubuntu@ip-172-30-0-253:~/cs1$ 
ubuntu@ip-172-30-0-253:~/cs1$ 
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
hotfix
* master
t1
t2
ubuntu@ip-172-30-0-253:~/cs1$ gir checkout hotfix
Command 'gir' not found, but can be installed with:
sudo apt install gir-rust-code-generator
ubuntu@ip-172-30-0-253:~/cs1$ git checkout hotfix
Switched to branch 'hotfix'
ubuntu@ip-172-30-0-253:~/cs1$ touch h1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git add h1.txt
ubuntu@ip-172-30-0-253:~/cs1$ git commit -m "h1.txt file commit"
[hotfix cea85c2] h1.txt file commit
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 h1.txt
ubuntu@ip-172-30-0-253:~/cs1$
ubuntu@ip-172-30-0-253:~/cs1$
ubuntu@ip-172-30-0-253:~/cs1$
ubuntu@ip-172-30-0-253:~/cs1$ git checkout master
Switched to branch 'master'
ubuntu@ip-172-30-0-253:~/cs1$ git merge hotfix
Updating 19eeb46..cea85c2
Fast-forward
 h1.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 h1.txt
ubuntu@ip-172-30-0-253:~/cs1$ ls
f1.txt f2.txt f3.txt h1.txt m1.txt t1.txt t2.txt
ubuntu@ip-172-30-0-253:~/cs1$ []
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253



AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
30 history
31 git branch
32 git checkout t2
33 git branch
34 touch t2.txt
35 touch t2.txt
36 git add t2.txt
37 git commit -m "t2.txt file commit"
38 git branch f2
39 git branch f3
40 git checkout f2
41 git branch
42 touch f2.txt
43 git add f2.txt
44 git commit -m "f2.txt file commit"
45 git checkout f3
46 git branch
47 touch f3.txt
48 git add f3.txt
49 git add f3.txt
50 git commit -m "f3.txt file commit"
51 git checkout t2
52 git branch
53 git merge f2
54 git merge f3
55 git checkout master
56 ls
57 git merge t2
58 ls
59 history
60 git branch hotfix
61 git branch
62 git checkout hotfix
63 git checkout hotfix
64 touch h1.txt
65 git add h1.txt
66 git commit -m "h1.txt file commit"
67 git checkout master
68 git merge hotfix
69 ls
70 history
ubuntu@ip-172-30-0-253:~/cs1$
```

i-09f466d0c3cc766de (Case-Study1)

Public IPs: 3.93.196.98 Private IPs: 172.30.0.253

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
54 git merge f3
55 git checkout master
56 ls
57 git merge t2
58 ls
59 history
60 git branch hotfix
61 git branch
62 git checkout hotfix
63 git checkout hotfix
64 touch h1.txt
65 git add h1.txt
66 git commit -m "h1.txt file commit"
67 git checkout master
68 git merge hotfix
69 ls
70 history
ubuntu@ip-172-30-0-253:~/cs1$ ubuntu@ip-172-30-0-253:~/cs1$ git remote add origin https://github.com/premswapnil/CASE-STUDY---GIT-WORKFLOW.git
ubuntu@ip-172-30-0-253:~/cs1$ git push origin --all
Username for 'https://github.com': premswapnil
Password for 'https://premswapnil@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/premswapnil/CASE-STUDY---GIT-WORKFLOW.git/'
ubuntu@ip-172-30-0-253:~/cs1$ git push origin --all
Username for 'https://github.com': premswapnil
Password for 'https://premswapnil@github.com':
Enumerating objects: 19, done.
Counting objects: 100% (19/19), done.
Compressing objects: 100% (17/17), done.
Writing objects: 100% (19/19), 1.72 KiB | 587.00 KiB/s, done.
Total 19 (delta 7), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (7/7), done.
To https://github.com/premswapnil/CASE-STUDY---GIT-WORKFLOW.git
 * [new branch]      f1 -> f1
 * [new branch]      f2 -> f2
 * [new branch]      f3 -> f3
 * [new branch]      hotfix -> hotfix
 * [new branch]      master -> master
 * [new branch]      t1 -> t1
 * [new branch]      t2 -> t2
ubuntu@ip-172-30-0-253:~/cs1$ 
```

i-09f466d0c3cc766de (Case-Study1)

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github.com/premswapnil/CASE-STUDY---GIT-WORKFLOW/tree/master

premswapnil / CASE-STUDY---GIT-WORKFLOW

Type ⌘ to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

CASE-STUDY---GIT-WORKFLOW Public

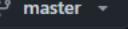
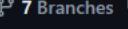
 t2 had recent pushes 2 minutes ago 

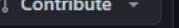
 f2 had recent pushes 2 minutes ago 

 f3 had recent pushes 2 minutes ago 

About 
No description, website, or topics provided.

Activity 
0 stars 
1 watching 
0 forks 

master  7 Branches  Go to file Add file Code

This branch is 6 commits ahead of [f1](#). 

 Ubuntu h1.txt file commit cea85c2 · 15 minutes ago 9 Commits

 f1.txt	f1.txt commit	48 minutes ago
 f2.txt	f2.txt file commit	37 minutes ago
 f3.txt	f3.txt file commit	35 minutes ago
 h1.txt	h1.txt file commit	15 minutes ago
 m1.txt	m1.txt file commit	1 hour ago
 t1.txt	t1.txt commit	51 minutes ago
 t2.txt	t2.txt file commit	39 minutes ago

 README

Releases 
No releases published [Create a new release](#)

Packages 
No packages published [Publish your first package](#)

github.com/devops-intellipaat/merge-conflict/blob/master/main.c

devops-intellipaat / merge-conflict

Code Issues Pull requests 130 Actions Projects Security Insights

Files

master + Search

Go to file

main.c

merge-conflict / main.c

devops-intellipaat Update main.c f71ccdc · 5 years ago History

Code Blame 15 lines (11 loc) · 97 Bytes Code 55% faster with GitHub Copilot

```
1  pseudo code
2  {
3  Initial Function()
4  {
5      //Sample Code
6  }
7
8  Initial Security()
9  {
10     //Sample Code
11 }
12
13
14
15 }
```

github.com/devops-intellipaat/merge-conflict/blob/feature1/main.c

devops-intellipaat / merge-conflict

Code Issues Pull requests 130 Actions Projects Security Insights

Files

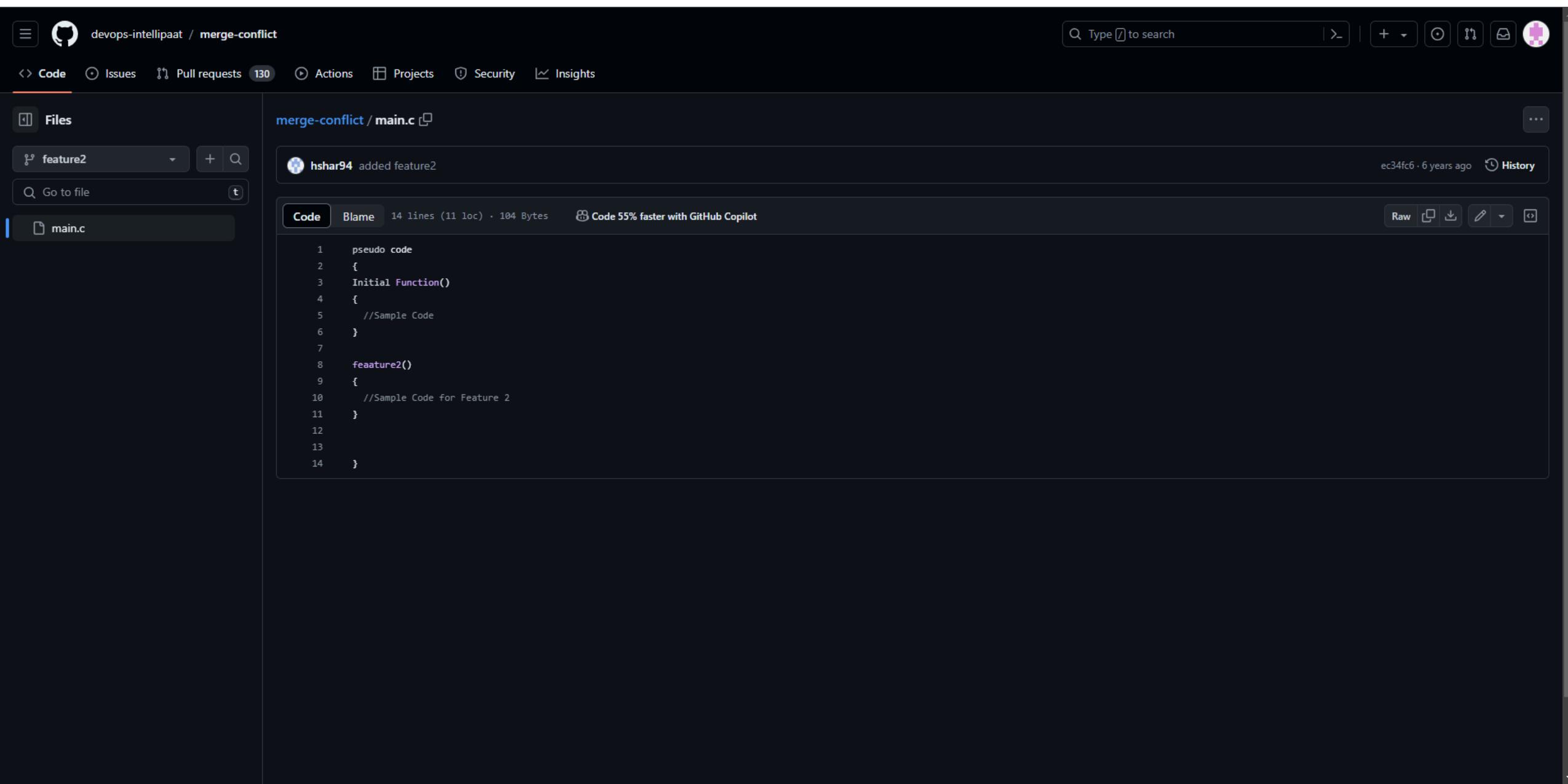
feature1 Go to file main.c

merge-conflict / main.c

hshar94 added feature A c2f1e65 · 6 years ago History

Code Blame 15 lines (11 loc) · 104 Bytes Code 55% faster with GitHub Copilot

```
1  pseudo code
2  {
3  Initial Function()
4  {
5      //Sample Code
6  }
7
8  feature1()
9  {
10     //Sample Code for Feature 1
11 }
12
13
14
15 }
```



github.com/devops-intellipaat/merge-conflict/tree/feature2

devops-intellipaat / merge-conflict

Type ⌘ to search

Code Issues Pull requests 130 Actions Projects Security Insights

merge-conflict Public

Watch 0 Fork 1.8k Star 4

feature2 3 Branches 0 Tags

This branch is 1 commit ahead of, 2 commits behind master.

hshar94 added feature2

main.c added feature2

Go to file Add file Code

Local Codespaces

Clone

HTTPS SSH GitHub CLI

https://github.com/devops-intellipaat/merge-cor

Clone using the web URL.

Open with GitHub Desktop

Download ZIP

About

No description, website, or topics provided.

Activity 4 stars 0 watching 1.8k forks

Report repository

Releases

No releases published

Packages

No packages published

Contributors 2

hshar94 devops-intellipaat

Languages

C 100.0%

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CASE STUDY- RESOLVING MERGE CONFLICTS

aws | Services | Search [Alt+S] | X | ▲ | ? | ⚙️ | N. Virginia | Intellipaat-Swannil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-253:~$  
ubuntu@ip-172-30-0-253:~$ mkdir CD2  
ubuntu@ip-172-30-0-253:~$ cd CD2  
ubuntu@ip-172-30-0-253:~/CD2$ git init  
hint: Using 'master' as the name for the initial branch. This default branch name  
hint: is subject to change. To configure the initial branch name to use in all  
hint: of your new repositories, which will suppress this warning, call:  
hint:  
hint:   git config --global init.defaultBranch <name>  
hint:  
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and  
hint: 'development'. The just-created branch can be renamed via this command:  
hint:  
hint:   git branch -m <name>  
Initialized empty Git repository in /home/ubuntu/CD2/.git/  
ubuntu@ip-172-30-0-253:~/CD2$ git clone https://github.com/devops-intellipaat/merge-conflict.git  
Cloning into 'merge-conflict'...  
remote: Enumerating objects: 15, done.  
remote: Total 15 (delta 0), reused 0 (delta 0), pack-reused 15  
Receiving objects: 100% (15/15), done.  
ubuntu@ip-172-30-0-253:~/CD2$ ls  
merge-conflict  
ubuntu@ip-172-30-0-253:~/CD2$ cd merge-conflict  
ubuntu@ip-172-30-0-253:~/merge-conflict$ ls  
main.c  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git branch  
* master  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git checkout feature1  
branch 'feature1' set up to track 'origin/feature1'.  
Switched to a new branch 'feature1'  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git checkout feature2  
branch 'feature2' set up to track 'origin/feature2'.  
Switched to a new branch 'feature2'  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git branch  
  feature1  
* feature2  
  master  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ []
```

i-09f466d0c3cc766de (Case-Study1)



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AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

```
* master
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git checkout feature1
branch 'feature1' set up to track 'origin/feature1'.
Switched to a new branch 'feature1'
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git checkout feature2
branch 'feature2' set up to track 'origin/feature2'.
Switched to a new branch 'feature2'
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git branch
  feature1
* feature2
  master
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ 
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ 
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ 
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git branch
  feature1
  feature2
* master
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature2
Auto-merging main.c
CONFLICT (content): Merge conflict in main.c
Automatic merge failed; fix conflicts and then commit the result.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --help
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ 
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --tool
usage: git mergetool [--tool=tool] [--tool-help] [-y|--no-prompt|--prompt] [-g|--gui|--no-gui] [-O<orderfile>] [file to merge] ...
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --tool=

This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
tortoisediff emerge vimdiff nvimdiff

Merging:
main.c

Normal merge conflict for 'main.c':
{local}: modified file
{remote}: modified file
Hit return to start merge resolution tool (vimdiff): []
```

i-09f466d0c3cc766de (Case-Study1)

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aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
pseudo code
{
Initial Function()
{
    //Sample Code
}

Initial Security()
{
    //Sample Code
}
```

```
pseudo code
{
Initial Function()
{
    //Sample Code
}
```

```
pseudo code
{
Initial Function()
{
    //Sample Code
}

feaature2()
{
    //Sample Code for Feature 2
}
```

```
./main_LOCAL_2143.c      1,1      Top ./main_BASE_2143.c      1,1      Top ./main_REMOTE_2143.c      1,1      Top
-pseudo code
{
Initial Function()
{
    //Sample Code
}

<<<<< HEAD
Initial Security()
{
    //Sample Code
}

=====
feaature2()
{
    //Sample Code for Feature 2
}
>>>>> feature2
main.c
"main.c" 22L, 181B      1,1      Top
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-09f466d0c3cc766de&osUser=ubuntu&sshPort=22#/

aws Services Search [Alt+S] N. Virginia Intellipaat-Swannil

EC2 RDS IAM

```
pseudo code
{
Initial Function()
{
    //Sample Code
}

Initial Security()
{
    //Sample Code
}
```

```
pseudo code
{
Initial Function()
{
    //Sample Code
}
```

```
pseudo code
{
Initial Function()
{
    //Sample Code
}

feaature2()
{
    //Sample Code for Feature 2
}
```

```
./main_LOCAL_2143.c          8,13           Top ./main_BASE_2143.c          8,1           Top ./main_REMOTE_2143.c        8,12          Top
pseudo code
{
Initial Function()
{
    //Sample Code
}

<<<<< HEAD
Initial Security()
{
    //Sample Code
}

=====
feaature2()
{
    //Sample Code for Feature 2
}>>>>> feature2
main.c [+]
-- INSERT --
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

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EC2 RDS IAM

```
pseudo code
{
Initial Function()
{
    //Sample Code
}

Initial Security()
{
//Sample Code
}

}
~ ./main_LOCAL_2143.c 15,1 All ./main_BASE_2143.c 10,1 All ./main_REMOTE_2143.c 14,1 All
-pseudo code
{
Initial Function()
{
    //Sample Code
}

Initial Security()
{
//Sample Code
}

feaature2()
{
    //Sample Code for Feature 2
}

}
main.c [+] 19,1 All
:wq
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
pseudo code
{
Initial Function()
{
  //Sample Code
}

Initial Security()
{
  //Sample Code
}

}

pseudo code
{
Initial Function()
{
  //Sample Code
}

pseudo code
{
Initial Function()
{
  //Sample Code
}

feaature2()
{
  //Sample Code for Feature 2
}

}

./main LOCAL 2143.c      15,1      All ./main_BASE_2143.c      10,1      All ./main_REMOTE_2143.c      14,1      All
:wq
```

i-09f466d0c3cc766de (Case-Study1) X

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swannil

EC2 RDS IAM

```
pseudo code
{
Initial Function()
{
    //Sample Code
}

pseudo code
{
Initial Function()
{
    //Sample Code
}

feaature2()
{
    //Sample Code for Feature 2
}

}
```

./main BASE 2143.c 10,1 All ./main REMOTE_2143.c 14,1 All
:wq

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

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EC2 RDS IAM

```
pseudo code
{
    Initial Function()
    {
        //Sample Code
    }

    feaature2()
    {
        //Sample Code for Feature 2
    }
}

:weq
```

i-09f466d0c3cc766de (Case-Study1)

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AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git branch
feature1
feature2
* master
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature2
Auto-merging main.c
CONFLICT (content): Merge conflict in main.c
Automatic merge failed; fix conflicts and then commit the result.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --help
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --tool=
usage: git mergetool [--tool=tool] [--tool-help] [-y|--no-prompt|--prompt] [-q|--qui|--no-gui] [-O<orderfile>] [file to merge] ...
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --tool=

This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
tortoisediff emerge vimdiff nvimdiff
Merging:
main.c

Normal merge conflict for 'main.c':
{local}: modified file
{remote}: modified file
git return to start merge resolution tool (vimdiff):
4 files to edit
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git commit -m "Done"
[master lecbc91] Done
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

AWS Services Search [Alt+S]

EC2 RDS IAM

```
CONFLICT (content): Merge conflict in main.c
Automatic merge failed; fix conflicts and then commit the result.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --help
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --tool
usage: git mergetool [--tool=tool] [--tool-help] [-y|--no-prompt|--prompt] [-g|--gui|--no-gui] [-O<orderfile>] [file to merge] ...
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --tool=tortoiseremerge
```

This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
tortoiseremerge emerge vimdiff nvimdiff

Merging:
main.c

Normal merge conflict for 'main.c':
{local}: modified file
{remote}: modified file
Hit return to start merge resolution tool (vimdiff):
4 files to edit

```
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git commit -m "Done"
[master lecbc91] Done
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

```
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git branch
feature1
feature2
* master
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature2
Already up to date.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature1[]
```

i-09f466d0c3cc766de (Case-Study1)

Public IPs: 3.93.196.98 Private IPs: 172.30.0.253

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
feature2
* master
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature2
Already up to date.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature1
Auto-merging main.c
CONFLICT (content): Merge conflict in main.c
Automatic merge failed; fix conflicts and then commit the result.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git checkout feature1
main.c: needs merge
error: you need to resolve your current index first
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ sudo nano feature1.txt
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git checkout feature1
main.c: needs merge
error: you need to resolve your current index first
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --tool=
This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
tortoisesmerge emerge vimdiff nvimdiff
Merging:
main.c

Normal merge conflict for 'main.c':
{local}: modified file
{remote}: modified file
Hit return to start merge resolution tool (vimdiff):
4 files to edit
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature1
fatal: You have not concluded your merge (MERGE_HEAD exists).
Please, commit your changes before you merge.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git commit -m "Done"
[master bla073d] Done
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit
```

i-09f466d0c3cc766de (Case-Study1)

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EC2 RDS IAM

```
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git checkout feature1
main.c: needs merge
error: you need to resolve your current index first
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ sudo nano feature1.txt
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git checkout feature1
main.c: needs merge
error: you need to resolve your current index first
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git mergetool --tool=

This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
tortoisemerge emerge vimdiff nvimdiff
Merging:
main.c

Normal merge conflict for 'main.c':
{local}: modified file
{remote}: modified file
Hit return to start merge resolution tool (vimdiff):
4 files to edit
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature1
fatal: You have not concluded your merge (MERGE_HEAD exists).
Please, commit your changes before you merge.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git commit -m "Done"
[master bla073d] Done
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature1
Already up to date.
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ []
```

i-09f466d0c3cc766de (Case-Study1)

PublicIPs: 3.93.196.98 PrivateIPs: 172.30.0.253

github.com/new

New repository

Type to search

Required fields are marked with an asterisk (*).

Owner * Repository name *

premswapnil / CASE STUDY- RESOLVING

Your new repository will be created as CASE-STUDY--RESOLVING-MERGE-CONFLICTS.

The repository name can only contain ASCII letters, digits, and the characters ., -, and _.

Great repository names are short and memorable. Need inspiration? How about [refactored-train](#) ?

Description (optional)

Public Anyone on the internet can see this repository. You choose who can commit.

Private You choose who can see and commit to this repository.

Initialize this repository with:

Add a README file This is where you can write a long description for your project. [Learn more about READMEs](#).

Add .gitignore

.gitignore template:

Choose which files not to track from a list of templates. [Learn more about ignoring files](#).

Choose a license

License:

A license tells others what they can and can't do with your code. [Learn more about licenses](#).

ⓘ You are creating a public repository in your personal account.

Create repository

AWS | Services | Search [Alt+S] | X | A | ⓘ | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

main.c

```
Normal merge conflict for 'main.c':  
{local}: modified file  
{remote}: modified file  
git return to start merge resolution tool (vimdiff):  
4 files to edit  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature1  
fatal: You have not concluded your merge (MERGE_HEAD exists).  
Please, commit your changes before you merge.  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git commit -m "Done"  
[master b1a073d] Done  
Committer: Ubuntu <ubuntu@ip-172-30-0-253.ec2.internal>  
Your name and email address were configured automatically based  
on your username and hostname. Please check that they are accurate.  
You can suppress this message by setting them explicitly. Run the  
following command and follow the instructions in your editor to edit  
your configuration file:  
  
git config --global --edit  
  
After doing this, you may fix the identity used for this commit with:  
  
git commit --amend --reset-author  
  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git merge feature1  
Already up to date.  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git remote add oti https://github.com/premswapnil/CASE-STUDY--RESOLVING-MERGE-CONFLICTS.git  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$ git push oti --all  
Username for 'https://github.com': premswapnil  
Password for 'https://premswapnil@github.com':  
Enumerating objects: 21, done.  
Counting objects: 100% (21/21), done.  
Compressing objects: 100% (14/14), done.  
Writing objects: 100% (21/21), 2.13 KiB | 2.13 MiB/s, done.  
Total 21 (delta 4), reused 12 (delta 0), pack-reused 0  
remote: Resolving deltas: 100% (4/4), done.  
To https://github.com/premswapnil/CASE-STUDY--RESOLVING-MERGE-CONFLICTS.git  
 * [new branch]      feature1 -> feature1  
 * [new branch]      feature2 -> feature2  
 * [new branch]      master -> master  
ubuntu@ip-172-30-0-253:~/CD2/merge-conflict$
```

i-09f466d0c3cc766de (Case-Study1)

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premswapnil / CASE-STUDY--RESOLVING-MERGE-CONFLICTS

Type to search



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CASE-STUDY--RESOLVING-MERGE-CONFLICTS

Public



1



0



0

⌚ master had recent pushes 1 minute ago

Compare & pull request

⌚ feature2 had recent pushes 1 minute ago

Compare & pull request

⌚ master

⌚ 3 Branches



0 Tags

Go to file



Add file

<> Code

This branch is 5 commits ahead of feature1.

Contribute

Ubuntu Done

b1a073d · 7 minutes ago

7 Commits

main.c

Done

7 minutes ago

README



Add a README

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

Add a README

About

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Languages

C 100.0%

Suggested workflows

Based on your tech stack



CMake based, multi-platform projects

Configure

Build and test a CMake based project on multiple platforms.

github.com/premswapnil/CASE-STUDY--RESOLVING-MERGE-CONFLICTS/blob/master/main.c

premswapnil / CASE-STUDY--RESOLVING-MERGE-CONFLICTS

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Files

master Go to file main.c

CASE-STUDY--RESOLVING-MERGE-CONFLICTS / main.c

Ubuntu Done b1a073d · 7 minutes ago History

Code Blame 24 lines (19 loc) · 189 Bytes Code 55% faster with GitHub Copilot

```
1  pseudo code
2  {
3  Initial Function()
4  {
5      //Sample Code
6  }
7
8  Initial Security()
9  {
10     //Sample Code
11 }
12
13 feaature2()
14 {
15     //Sample Code for Feature 2
16 }
17 feature1()
18 {
19     //Sample Code for Feature 1
20 }
21
22
23
24 }
```

github.com/premswapnil/CASE-STUDY--RESOLVING-MERGE-CONFLICTS/blob/feature1/main.c

premswapnil / CASE-STUDY--RESOLVING-MERGE-CONFLICTS

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Files

feature1 + Go to file main.c

CASE-STUDY--RESOLVING-MERGE-CONFLICTS / main.c

hshar94 added feature A c2f1e65 · 6 years ago History

Code Blame 15 lines (11 loc) · 104 Bytes Code 55% faster with GitHub Copilot

```
1 pseudo code
2 {
3 Initial Function()
4 {
5     //Sample Code
6 }
7
8 feature1()
9 {
10    //Sample Code for Feature 1
11 }
12
13
14
15 }
```

A screenshot of a GitHub repository page for a case study on resolving merge conflicts. The repository is named "CASE-STUDY--RESOLVING-MERGE-CONFLICTS". The main file displayed is "main.c".

The code editor shows two versions of the "main.c" file. The left sidebar lists files: "feature2" (selected) and "main.c". The right pane displays the content of "main.c".

Key details from the interface:

- Code Blame:** Shows contributions by "hshar94" who added "feature2".
- Performance:** A note indicates the code is 55% faster with GitHub Copilot.
- File Content:**

```
1  pseudo code
2  {
3  Initial Function()
4  {
5      //Sample Code
6  }
7
8  feaature2()
9  {
10     //Sample Code for Feature 2
11 }
12
13
14 }
```

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

```
67 git checkout master
68 git merge hotfix
69 ls
70 history
71 git remote add origin https://github.com/premswapnil/CASE-STUDY---GIT-WORKFLOW.git
72 git push origin --all
73 cd
74 clear
75 history
76 clear
77 mkdir CD2
78 cd CD2
79 git init
80 git clone https://github.com/devops-intellipaat/merge-conflict.git
81 ls
82 cd merge-conflict
83 ls
84 git branch
85 git checkout feature1
86 git checkout feature2
87 git branch
88 git checkout master
89 git branch
90 git merge feature2
91 git mergetool --help
92 git mergetool --tool
93 git mergetool --tool=
94 git commit -m "Done"
95 git branch
96 git merge feature2
97 git merge feature1
98 git checkout feature1
99 sudo nano feature1.txt
100 git checkout feature1
101 git mergetool --tool=
102 git merge feature1
103 git commit -m "Done"
104 git merge feature1
105 git remote add oti https://github.com/premswapnil/CASE-STUDY--RESOLVING-MERGE-CONFLICTS.git
106 git push oti --all
107 history
```

ubuntu@ip-172-30-0-253:~/CD2/merge-conflict\$ []

i-09f466d0c3cc766de (Case-Study1) X

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