

```
[root@ip-172-31-19-87 gitrepo]# touch master.txt
[root@ip-172-31-19-87 gitrepo]# ls
master.txt
[root@ip-172-31-19-87 gitrepo]# git add master.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch master

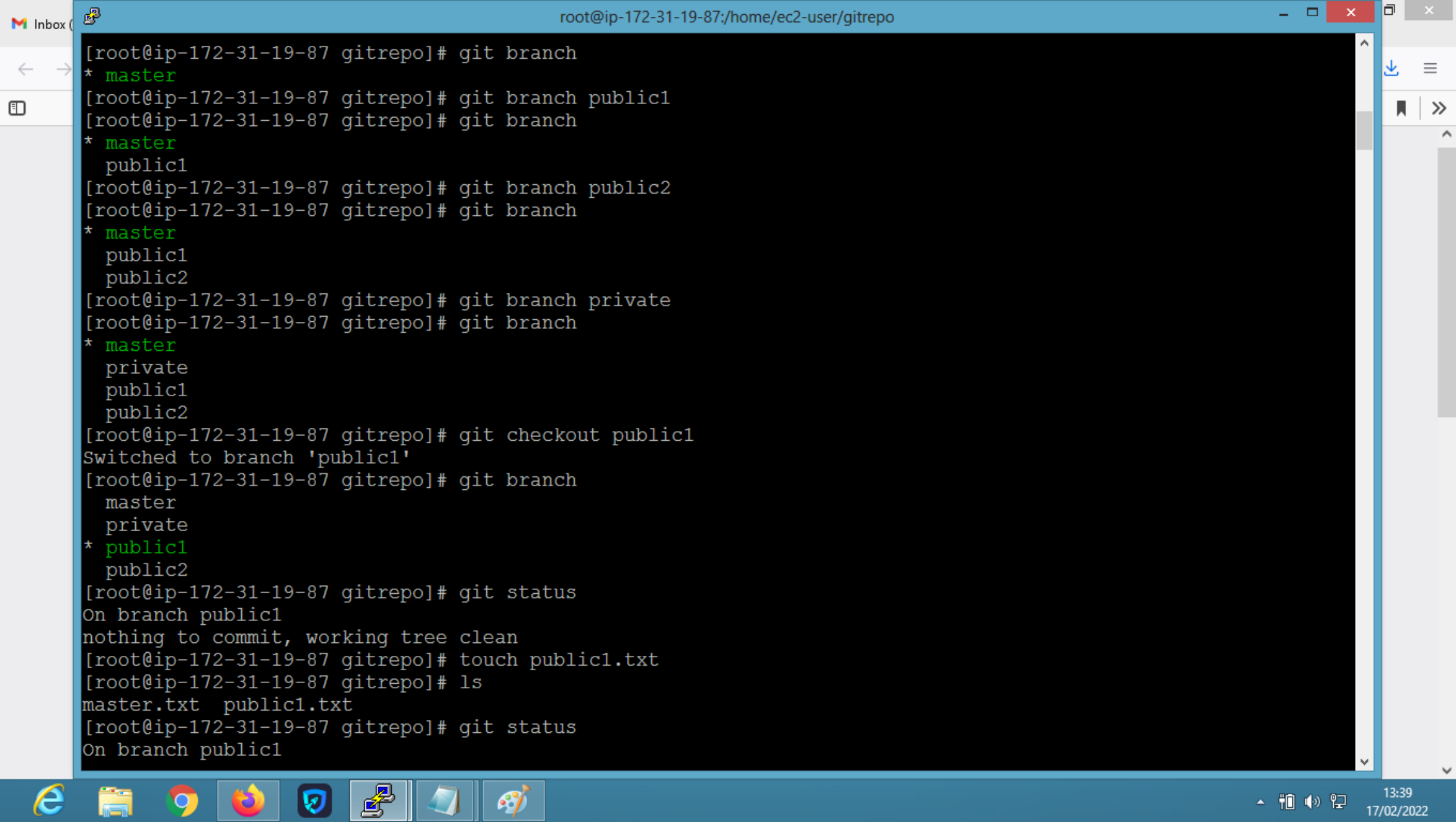
No commits yet

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

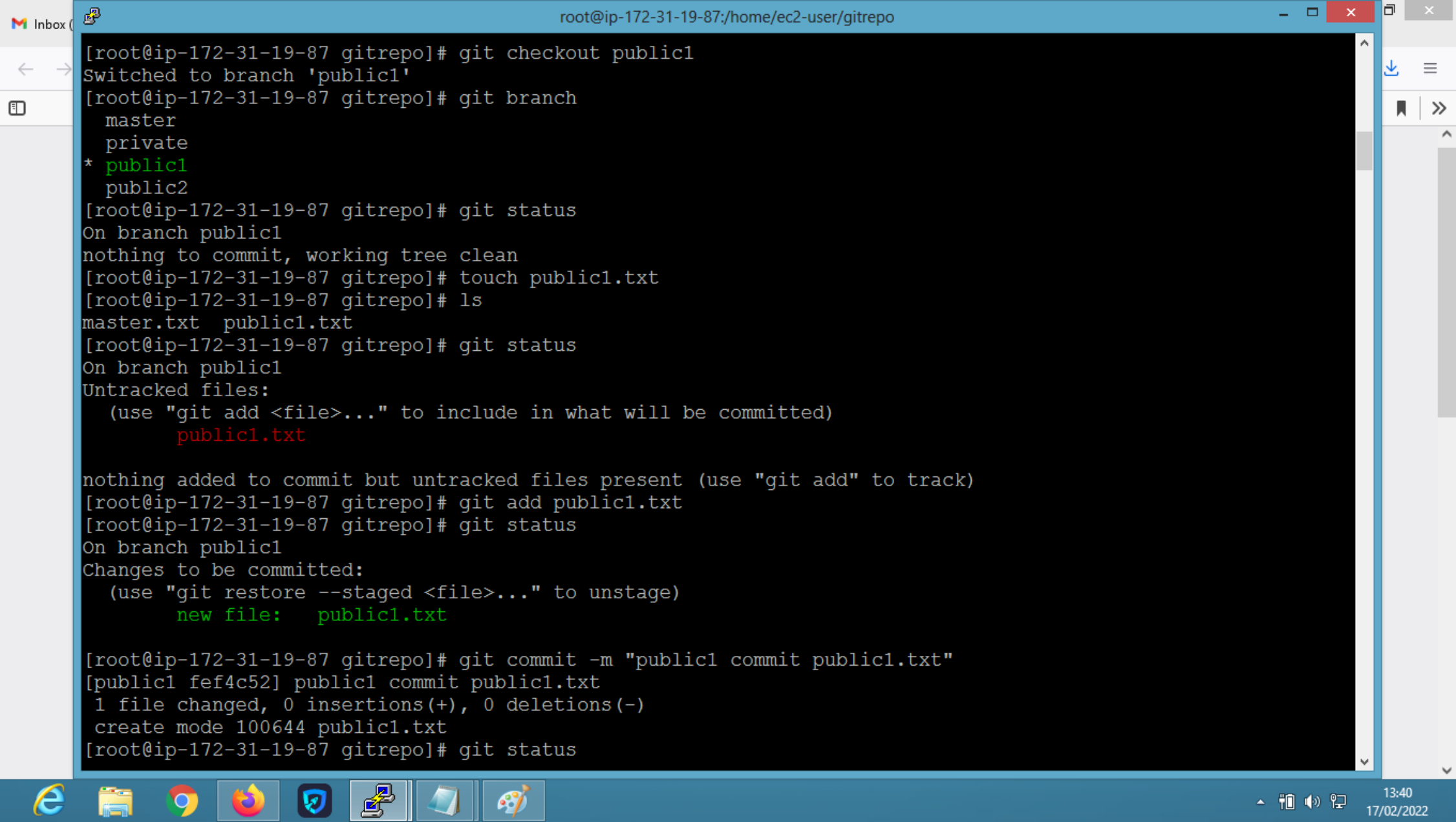
[root@ip-172-31-19-87 gitrepo]# git commit -m "master b commit master.txt"
[master (root-commit) fd9308e] master b commit master.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 master.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch master
nothing to commit, working tree clean
[root@ip-172-31-19-87 gitrepo]# git log
commit fd9308e2f7a89f61503f9392e66caf052c7e2c02 (HEAD -> master)
Author: mohit/aarambh <aarambh.rathore9@gmail.com>
Date:   Thu Feb 17 06:05:14 2022 +0000

    master b commit master.txt
[root@ip-172-31-19-87 gitrepo]# git branch
* master
[root@ip-172-31-19-87 gitrepo]# git branch public1
[root@ip-172-31-19-87 gitrepo]# git branch
* master
  public1
```





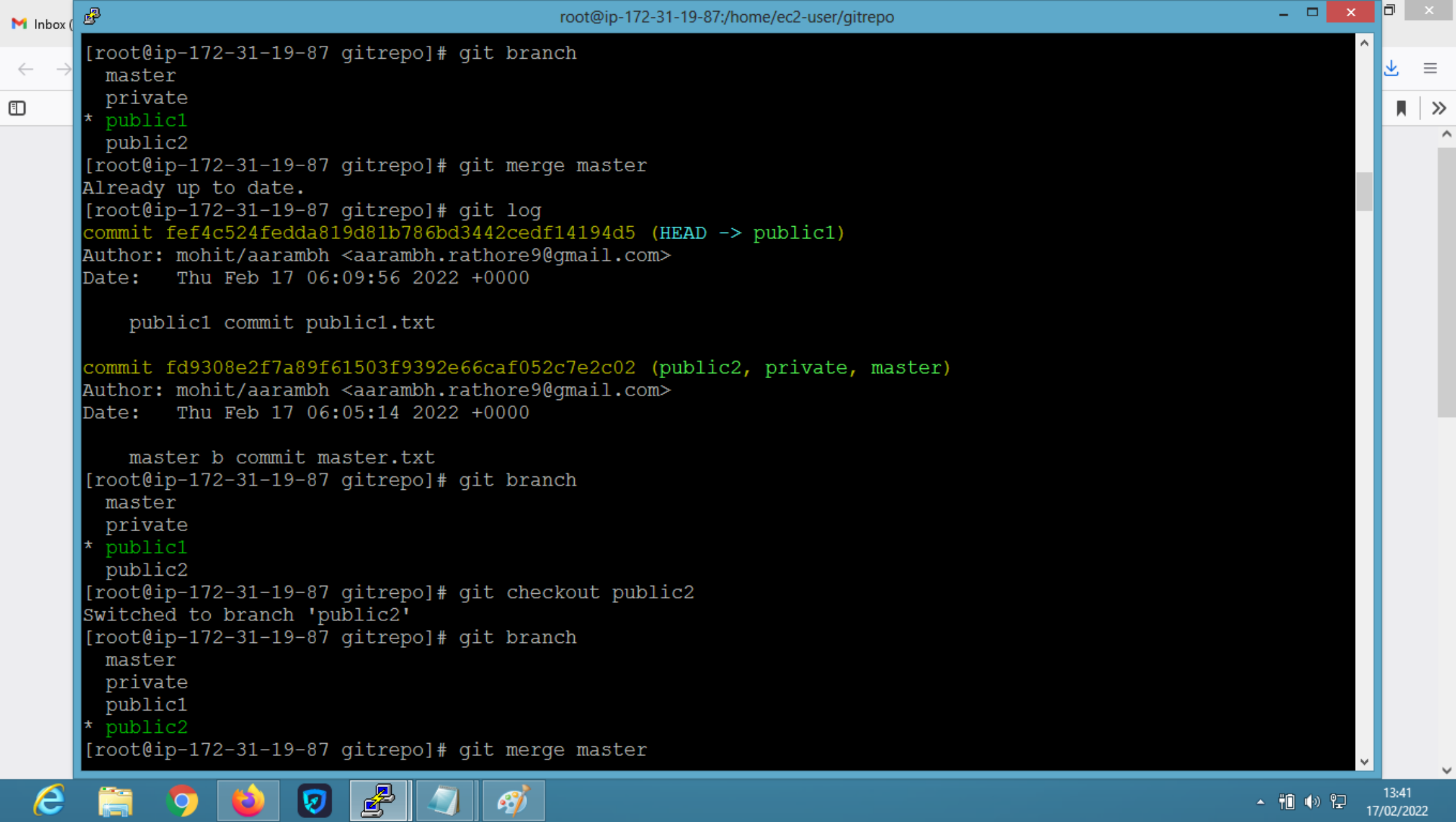
```
[root@ip-172-31-19-87 gitrepo]# git branch
* master
[root@ip-172-31-19-87 gitrepo]# git branch public1
[root@ip-172-31-19-87 gitrepo]# git branch
* master
  public1
[root@ip-172-31-19-87 gitrepo]# git branch public2
[root@ip-172-31-19-87 gitrepo]# git branch
* master
  public1
  public2
[root@ip-172-31-19-87 gitrepo]# git branch private
[root@ip-172-31-19-87 gitrepo]# git branch
* master
  private
  public1
  public2
[root@ip-172-31-19-87 gitrepo]# git checkout public1
Switched to branch 'public1'
[root@ip-172-31-19-87 gitrepo]# git branch
  master
  private
* public1
  public2
[root@ip-172-31-19-87 gitrepo]# git status
On branch public1
nothing to commit, working tree clean
[root@ip-172-31-19-87 gitrepo]# touch public1.txt
[root@ip-172-31-19-87 gitrepo]# ls
master.txt  public1.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch public1
```



```
[root@ip-172-31-19-87 gitrepo]# git checkout public1
Switched to branch 'public1'
[root@ip-172-31-19-87 gitrepo]# git branch
  master
  private
* public1
  public2
[root@ip-172-31-19-87 gitrepo]# git status
On branch public1
nothing to commit, working tree clean
[root@ip-172-31-19-87 gitrepo]# touch public1.txt
[root@ip-172-31-19-87 gitrepo]# ls
master.txt  public1.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch public1
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        public1.txt

nothing added to commit but untracked files present (use "git add" to track)
[root@ip-172-31-19-87 gitrepo]# git add public1.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch public1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   public1.txt

[root@ip-172-31-19-87 gitrepo]# git commit -m "public1 commit public1.txt"
[public1 fef4c52] public1 commit public1.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 public1.txt
[root@ip-172-31-19-87 gitrepo]# git status
```

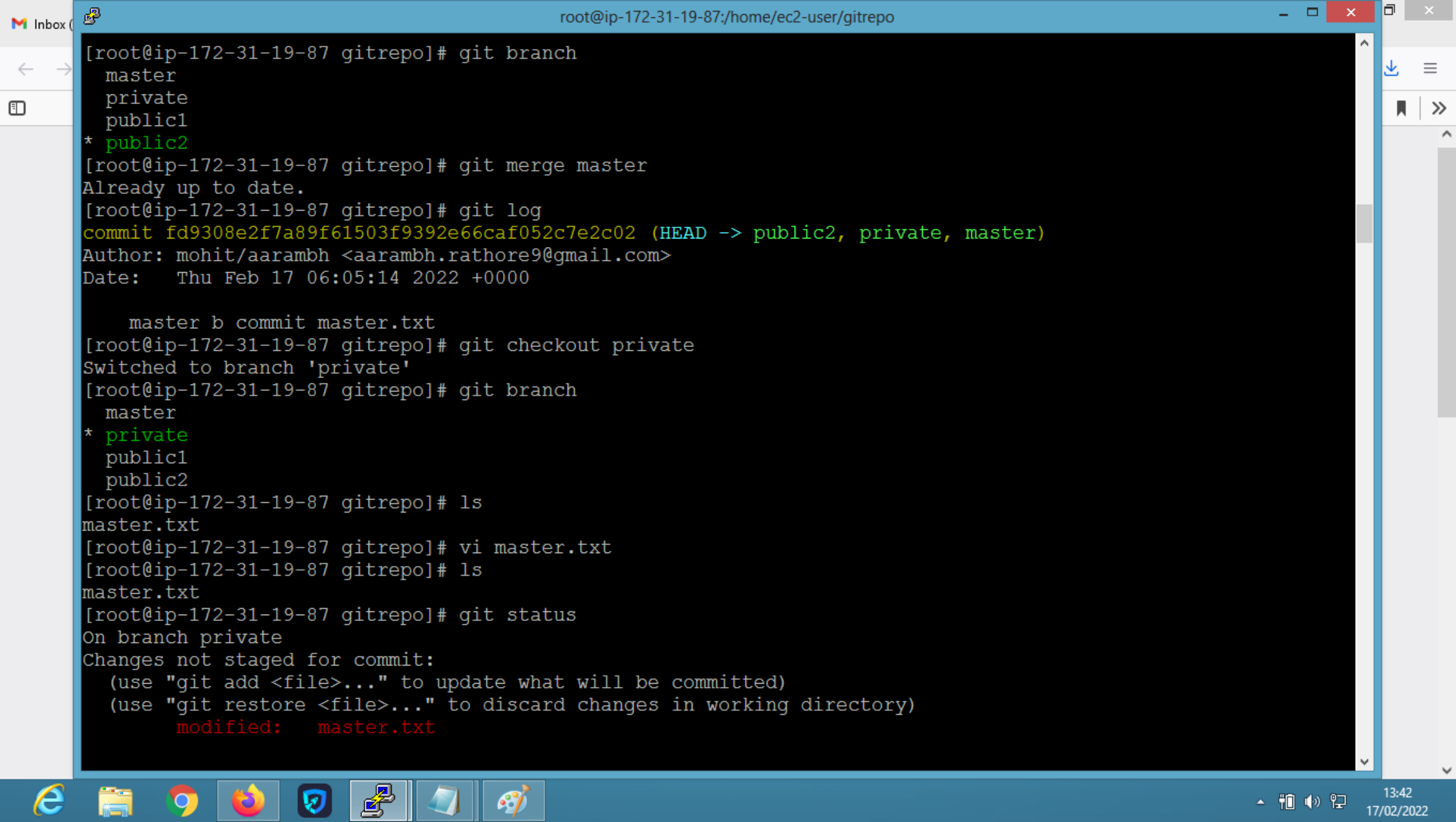


```
[root@ip-172-31-19-87 gitrepo]# git branch
master
private
* public1
public2
[root@ip-172-31-19-87 gitrepo]# git merge master
Already up to date.
[root@ip-172-31-19-87 gitrepo]# git log
commit fef4c524fedda819d81b786bd3442cedf14194d5 (HEAD -> public1)
Author: mohit/aarambh <aarambh.rathore9@gmail.com>
Date: Thu Feb 17 06:09:56 2022 +0000

    public1 commit public1.txt

commit fd9308e2f7a89f61503f9392e66caf052c7e2c02 (public2, private, master)
Author: mohit/aarambh <aarambh.rathore9@gmail.com>
Date: Thu Feb 17 06:05:14 2022 +0000

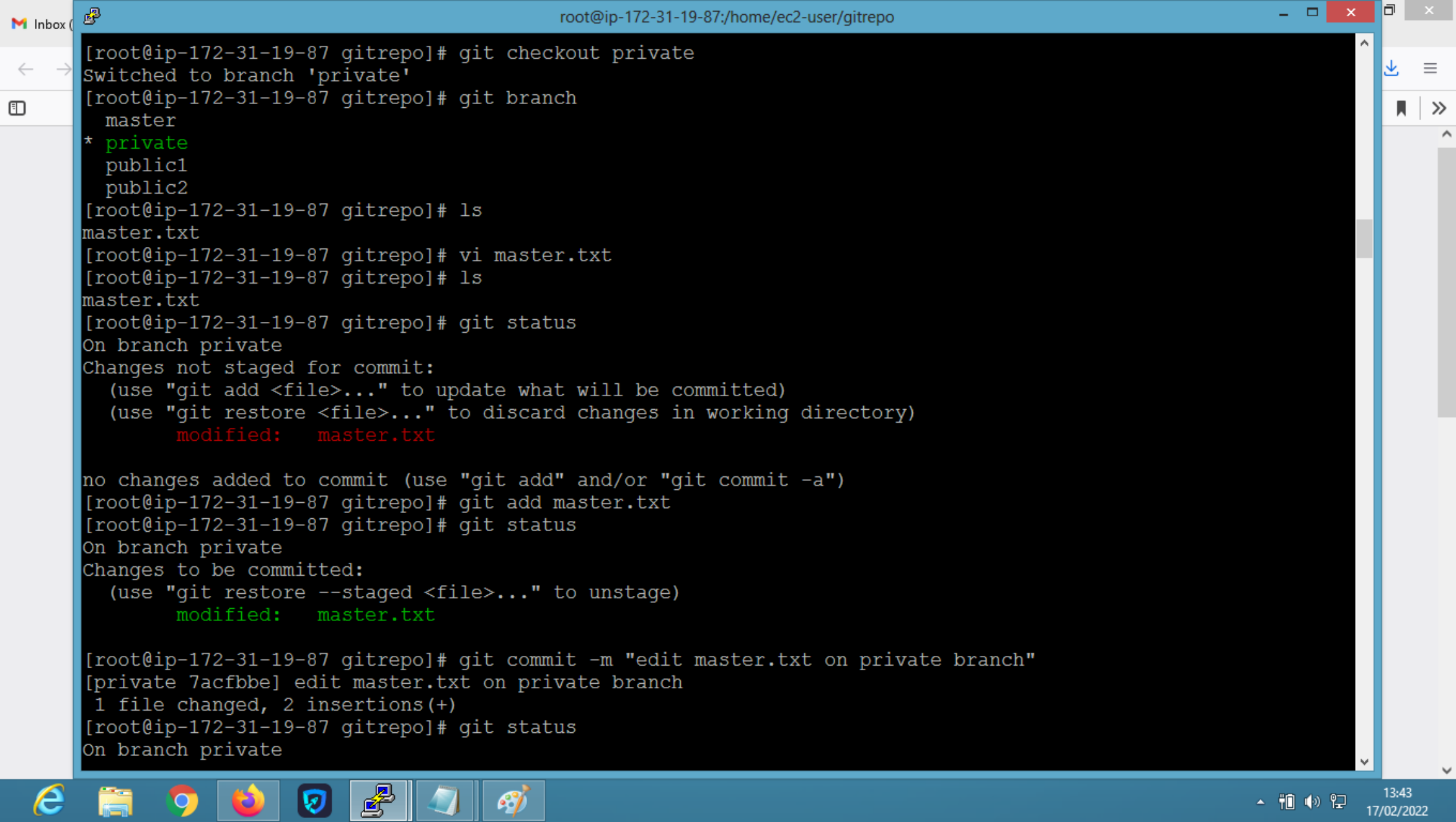
    master b commit master.txt
[root@ip-172-31-19-87 gitrepo]# git branch
master
private
* public1
public2
[root@ip-172-31-19-87 gitrepo]# git checkout public2
Switched to branch 'public2'
[root@ip-172-31-19-87 gitrepo]# git branch
master
private
public1
* public2
[root@ip-172-31-19-87 gitrepo]# git merge master
```



```
[root@ip-172-31-19-87 gitrepo]# git branch
master
private
public1
* public2
[root@ip-172-31-19-87 gitrepo]# git merge master
Already up to date.
[root@ip-172-31-19-87 gitrepo]# git log
commit fd9308e2f7a89f61503f9392e66caf052c7e2c02 (HEAD -> public2, private, master)
Author: mohit/aarambh <aarambh.rathore9@gmail.com>
Date: Thu Feb 17 06:05:14 2022 +0000

    master b commit master.txt
[root@ip-172-31-19-87 gitrepo]# git checkout private
Switched to branch 'private'
[root@ip-172-31-19-87 gitrepo]# git branch
master
* private
public1
public2
[root@ip-172-31-19-87 gitrepo]# ls
master.txt
[root@ip-172-31-19-87 gitrepo]# vi master.txt
[root@ip-172-31-19-87 gitrepo]# ls
master.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch private
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   master.txt
```





```
[root@ip-172-31-19-87 gitrepo]# git checkout private
Switched to branch 'private'
[root@ip-172-31-19-87 gitrepo]# git branch
  master
* private
  public1
  public2
[root@ip-172-31-19-87 gitrepo]# ls
master.txt
[root@ip-172-31-19-87 gitrepo]# vi master.txt
[root@ip-172-31-19-87 gitrepo]# ls
master.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch private
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   master.txt

no changes added to commit (use "git add" and/or "git commit -a")
[root@ip-172-31-19-87 gitrepo]# git add master.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch private
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   master.txt

[root@ip-172-31-19-87 gitrepo]# git commit -m "edit master.txt on private branch"
[private 7acfbbe] edit master.txt on private branch
 1 file changed, 2 insertions(+)
[root@ip-172-31-19-87 gitrepo]# git status
On branch private
```

```
* public1
public2
[root@ip-172-31-19-87 gitrepo]# ls
master.txt  public1.txt
[root@ip-172-31-19-87 gitrepo]# vi public1.txt
[root@ip-172-31-19-87 gitrepo]# ls
master.txt  public1.txt
[root@ip-172-31-19-87 gitrepo]# cat public1.txt
hi mohit

[root@ip-172-31-19-87 gitrepo]# git status
On branch public1
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   public1.txt

no changes added to commit (use "git add" and/or "git commit -a")
[root@ip-172-31-19-87 gitrepo]# git branch
  master
  private
* public1
  public2
[root@ip-172-31-19-87 gitrepo]# git checkout public2
error: Your local changes to the following files would be overwritten by checkout:
    public1.txt
Please commit your changes or stash them before you switch branches.
Aborting
[root@ip-172-31-19-87 gitrepo]# git add public1.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch public1
Changes to be committed:
```



```
* master
private
public1
public2
[root@ip-172-31-19-87 gitrepo]# ls
master.txt
[root@ip-172-31-19-87 gitrepo]# cat master.txt
[root@ip-172-31-19-87 gitrepo]# vi master.txt
[root@ip-172-31-19-87 gitrepo]# ls
master.txt
[root@ip-172-31-19-87 gitrepo]# cat master.txt
hello aarambh

[root@ip-172-31-19-87 gitrepo]# git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   master.txt

no changes added to commit (use "git add" and/or "git commit -a")
[root@ip-172-31-19-87 gitrepo]# git add master.txt
[root@ip-172-31-19-87 gitrepo]# git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   master.txt

[root@ip-172-31-19-87 gitrepo]# git commit -m "new master code on master"
[master 081b317] new master code on master
 1 file changed, 2 insertions(+)
[root@ip-172-31-19-87 gitrepo]# git status
```



```
* private
public1
public2
[root@ip-172-31-19-87 gitrepol]# ls
master.txt
[root@ip-172-31-19-87 gitrepol]# cat master.txt
hi mohit rathore how are you

[root@ip-172-31-19-87 gitrepol]# git push -u origin master
Username for 'https://github.com': aarambhrathore
Password for 'https://aarambhrathore@github.com':
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 456 bytes | 456.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/aarambhrathore/master.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
[root@ip-172-31-19-87 gitrepol]# git branch
master
* private
public1
public2
[root@ip-172-31-19-87 gitrepol]# git push -u origin private
Username for 'https://github.com': aarambhrathore
Password for 'https://aarambhrathore@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/aarambhrathore/master.git/'
[root@ip-172-31-19-87 gitrepol]# git push -u origin private
Username for 'https://github.com': aarambhrathore
Password for 'https://aarambhrathore@github.com':
```

```
nothing to commit, working tree clean
[root@ip-172-31-19-87 gitrepo]# git log
commit 9eb8c700b75f2bc077c7cae13e3ab1a9d3a475db (HEAD -> public1)
Merge: dc7b7ef 081b317
Author: mohit/aarambh <aarambh.rathore9@gmail.com>
Date: Thu Feb 17 07:43:27 2022 +0000

    Merge branch 'master' into public1

commit 081b31704547906a2afce61d38c5aae3e564f6a0 (origin/master, master)
Author: mohit/aarambh <aarambh.rathore9@gmail.com>
Date: Thu Feb 17 07:27:33 2022 +0000

    new master code on master

commit dc7b7ef05beb268c0d4f2e8bfe8bfa3cb93cc123 (origin/public1)
Author: mohit/aarambh <aarambh.rathore9@gmail.com>
Date: Thu Feb 17 07:22:55 2022 +0000

    update branch public one

commit fef4c524fedda819d81b786bd3442cedf14194d5
Author: mohit/aarambh <aarambh.rathore9@gmail.com>
Date: Thu Feb 17 06:09:56 2022 +0000

    public1 commit public1.txt

commit fd9308e2f7a89f61503f9392e66caf052c7e2c02 (origin/public2, public2)
Author: mohit/aarambh <aarambh.rathore9@gmail.com>
[root@ip-172-31-19-87 gitrepo]#
[root@ip-172-31-19-87 gitrepo]#
```

Switch branches/tags

Find or create a branch...

Branches Tags

master default

✓ private

public1

public2

View all branches

Latest commit 7acfbbe 2 hours ago History

Raw Blame

