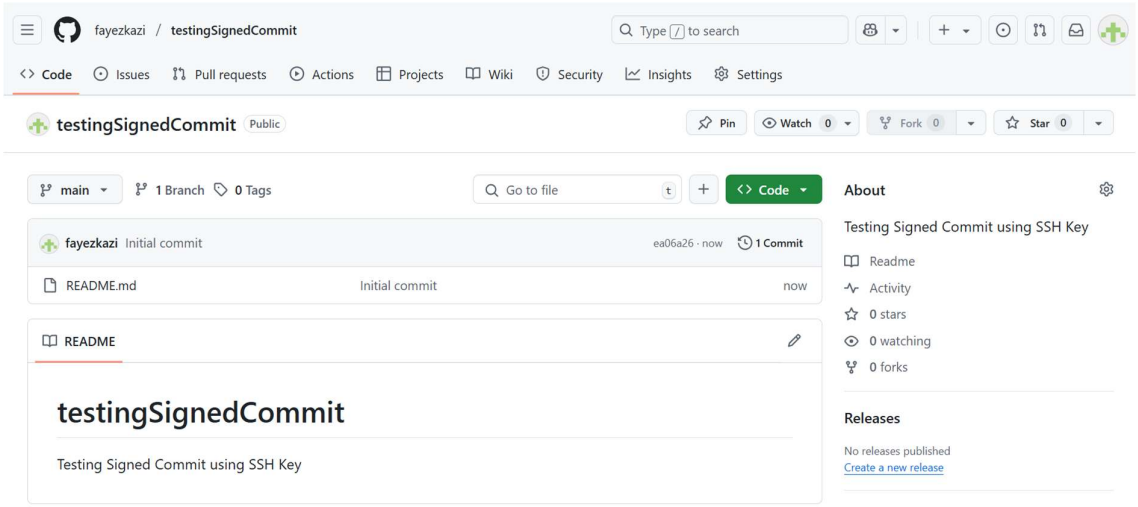
Step by Step SSH Key signed Git Commit

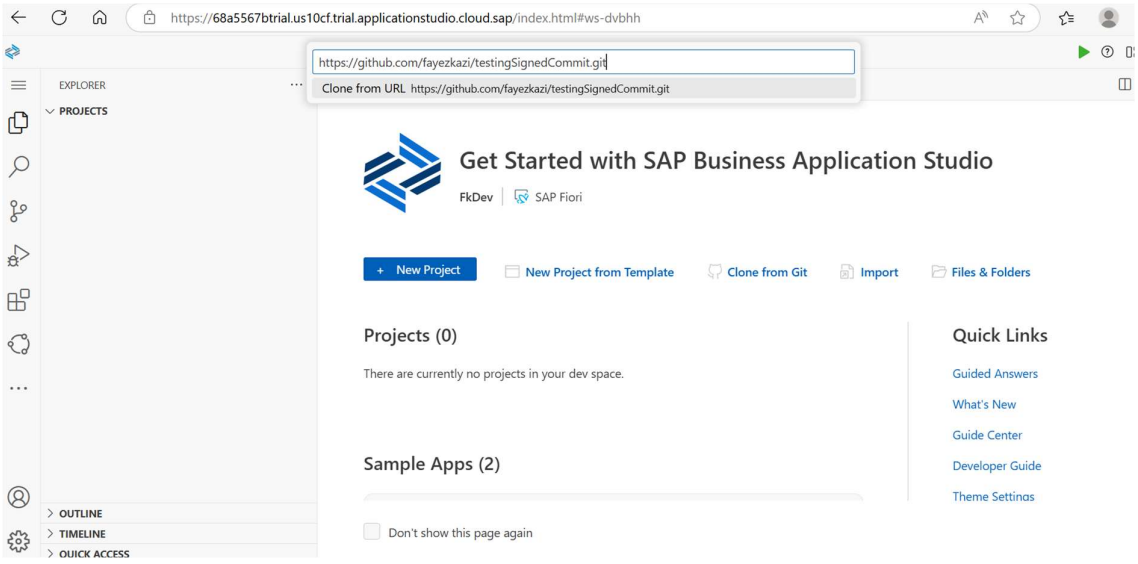
The first 3 steps are optional. It is included here because the project and key signature has been set up for the first time.

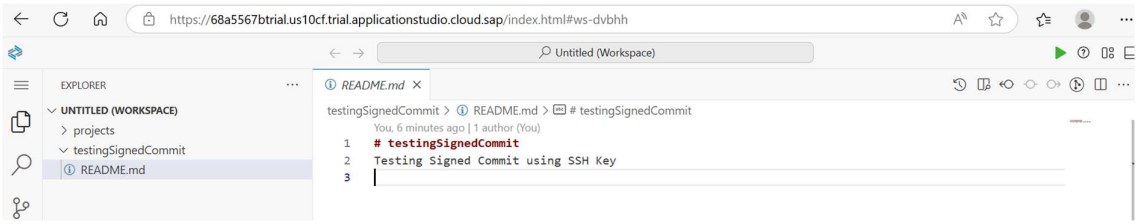
1. **Create the Repository in GitHub repository**

https://github.com/fayezkazi/testingSignedCommit.git

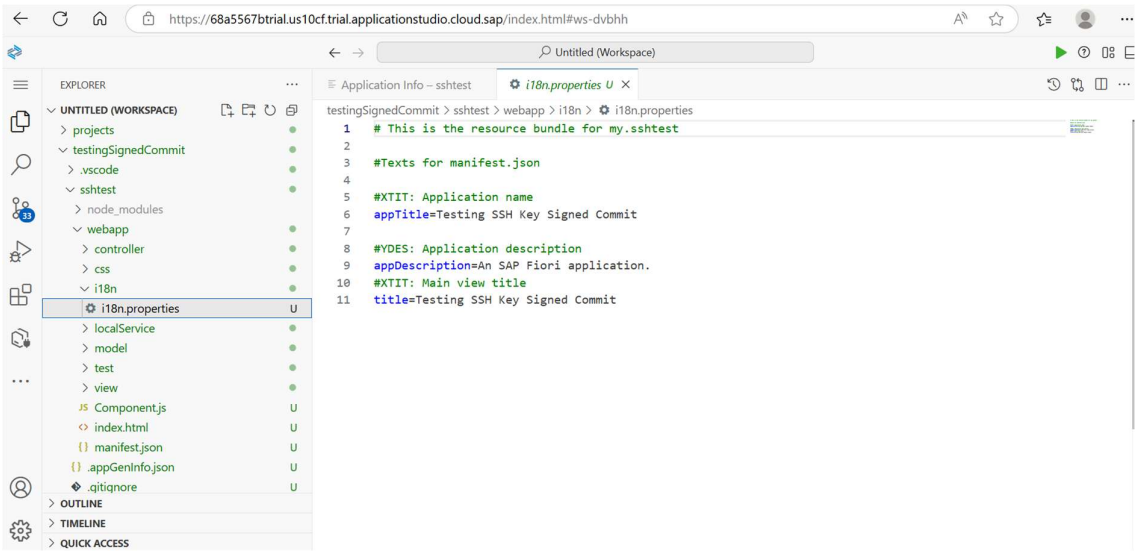


2. Create a Project in BAS
   Clone the Git Repository





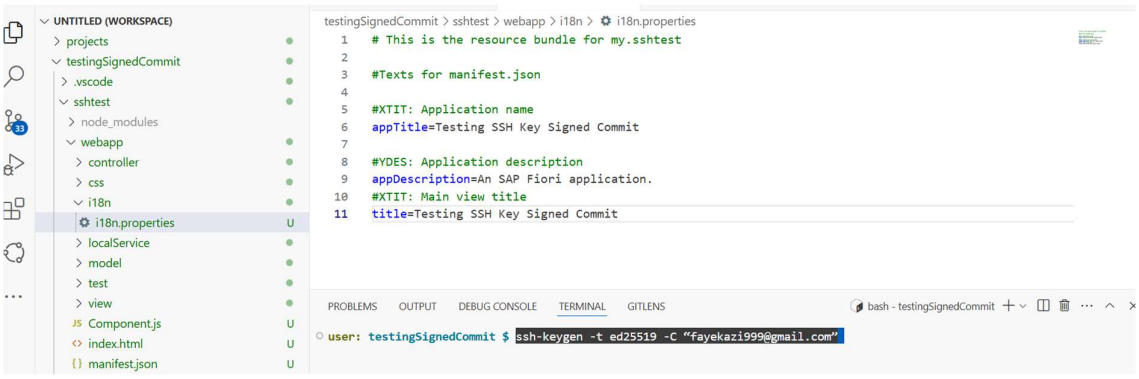
3. **Create a Project**
   Using Fiori App Generator – module sshtest created.



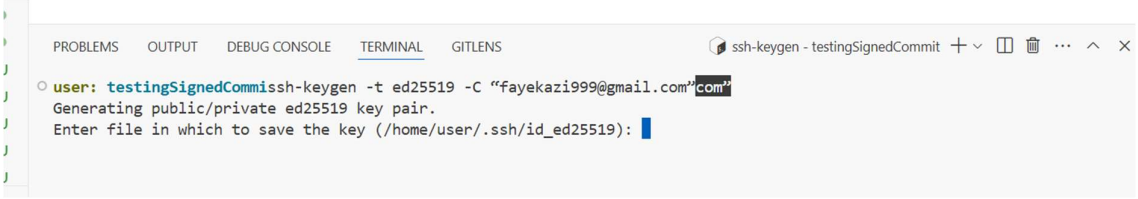
4. **<u>Now Set Up the SSH Key and Signature on the BAS</u>**

Generate SSH Key in BAS

ssh-keygen -t ed25519 -C “fayekazi999@gmail.com”

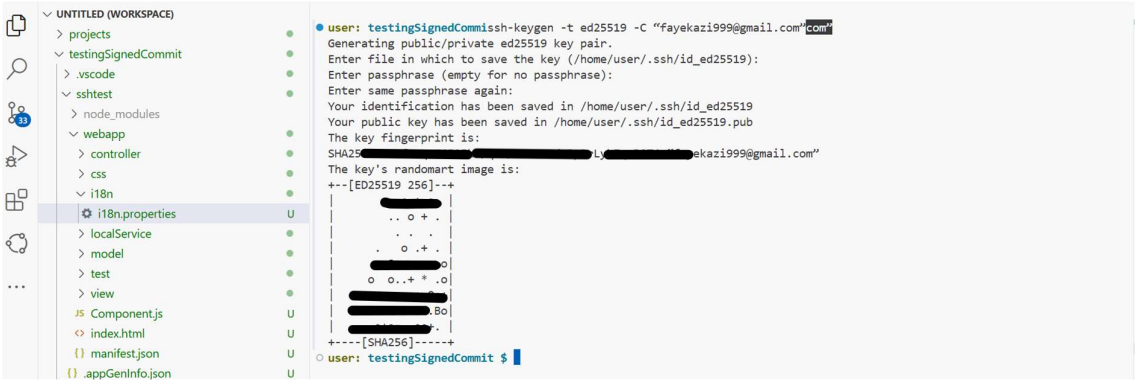


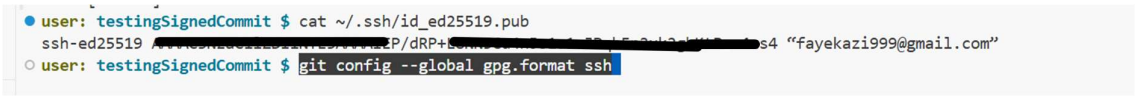
Press ENTER to save in the default location



Press ENTER to if no passphrase is needed

It will show the Key generated





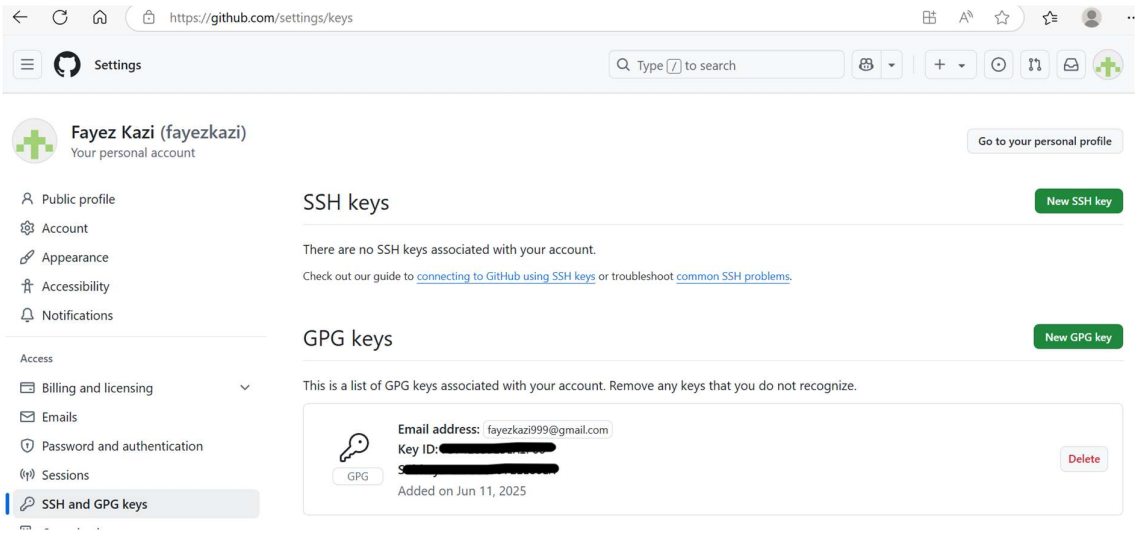
Copy the Public Key

cat ~/.ssh/id_ed25519.pub

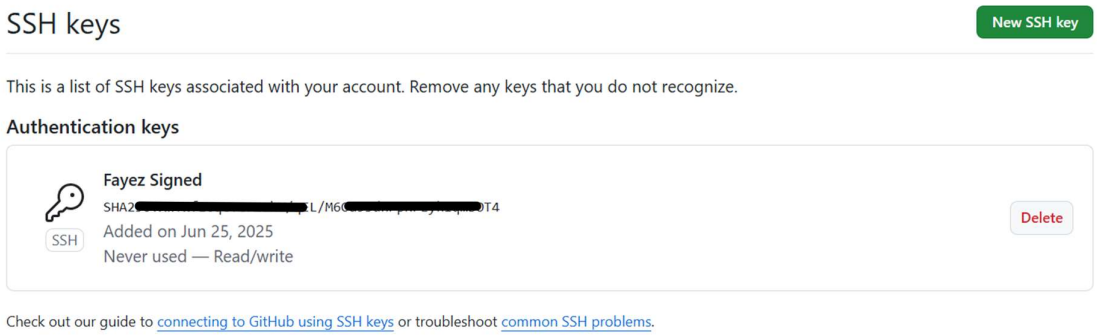
5. Back to the GitHub Repository

. Add SSH Key to GitHub

1. Go to GitHub SSH Keys Settings.
2. Click **New SSH key**.
3. Paste your copied public key into the **Key** field.
4. Give it a **Title** (e.g., "BAS SSH Key").
5. Click **Add SSH key**.



Copy the SSH Key created in BAS and Add

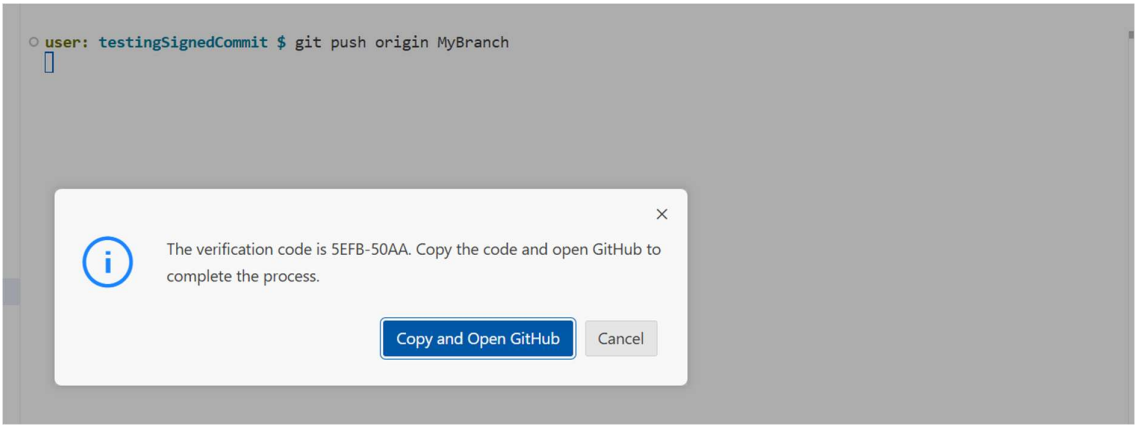


6. Back to BAS


```
user: testingSignedCommit $ ssh -T git@github.com
The authenticity of host 'github.com (140.82.112.4)' can't be established.
ED25519 key fingerprint is SHA
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
Hi fayezkazi! You've successfully authenticated, but GitHub does not provide shell access.
user: testingSignedCommit $
```

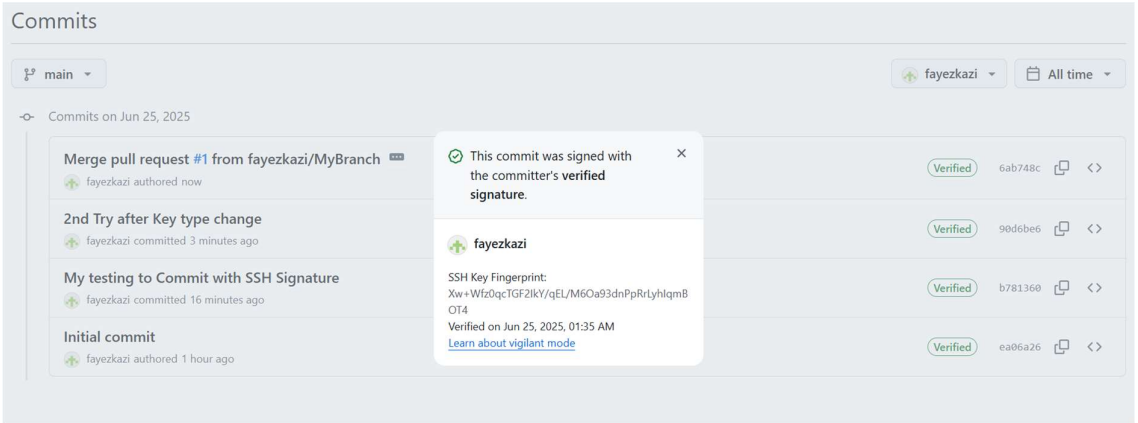
7. Now Commit the changes to Git Hub

```
user: testingSignedCommit $ git checkout -b MyBranch
Switched to a new branch 'MyBranch'
user: testingSignedCommit $ git add .
user: testingSignedCommit $ git commit -m "My testing to Commit with SSH Signature"
[MyBranch b781360] My testing to Commit with SSH Signature
 33 files changed, 14820 insertions(+)
 create mode 100644 .vscode/launch.json
 create mode 100644 sshtest/.appGenInfo.json
```




```
user: testingSignedCommit $ git checkout MyBranch
M       sshtest/webapp/i18n/i18n.properties
Already on 'MyBranch'
user: testingSignedCommit $ git add .
user: testingSignedCommit $ git commit -m "2nd Try after Key type change"
[MyBranch 90d6be6] 2nd Try after Key type change
 1 file changed, 1 insertion(+), 1 deletion(-)
user: testingSignedCommit $ git push origin MyBranch
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 706 bytes | 706.00 KiB/s, done.
Total 6 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/fayezkazi/testingSignedCommit.git
   b781360..90d6be6  MyBranch -> MyBranch
user: testingSignedCommit $
```

8. Now Go to Git Hub and Pull the Requests from the Branch to Main.
9. Check the Commits. Its all verified with SSH Key.



10.