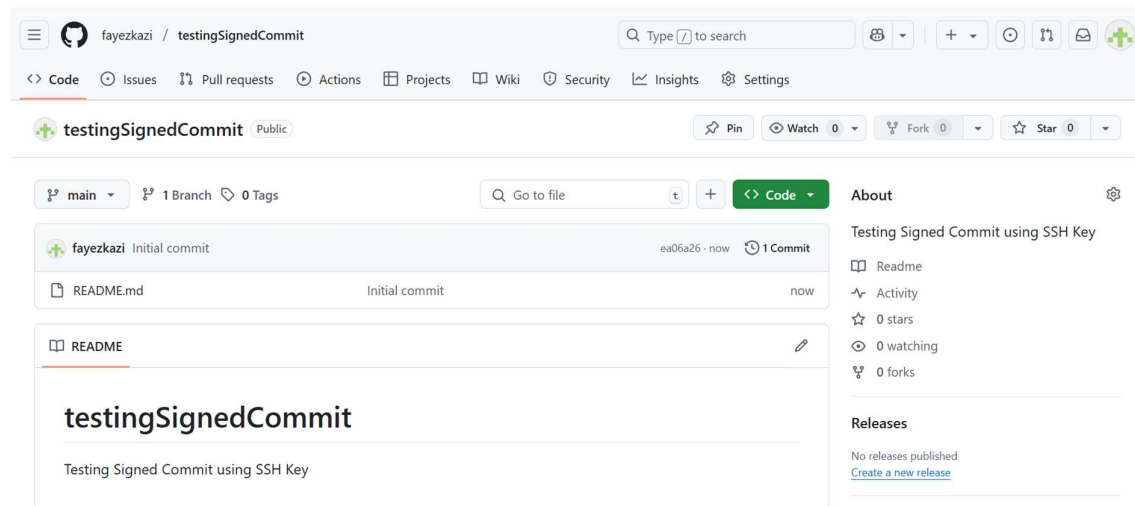


Step by Step SSH Key signed Git Commit

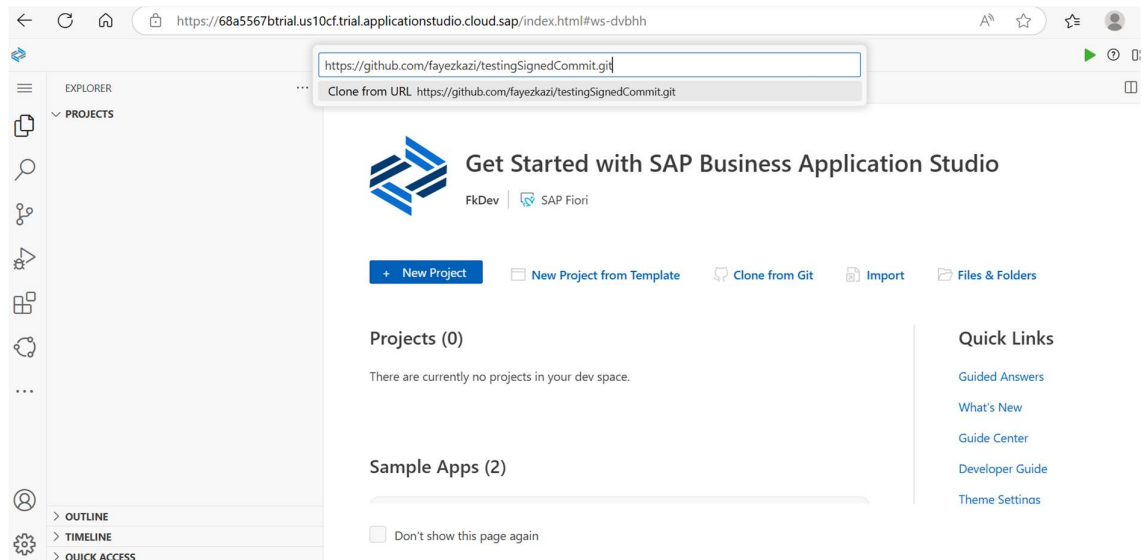
The first 3 steps are optional. It is included here because the project and key signature has been set up for the first time.

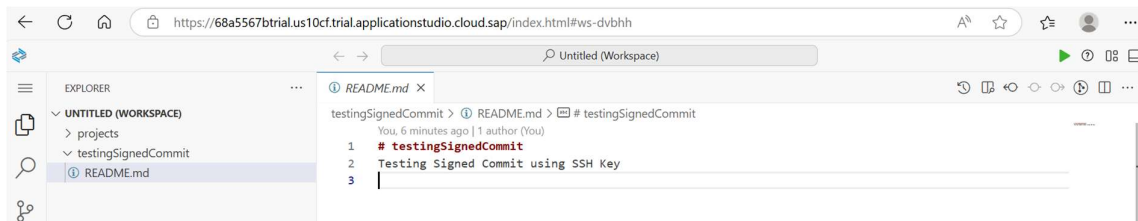
1. Create the Repository in GitHub repository

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

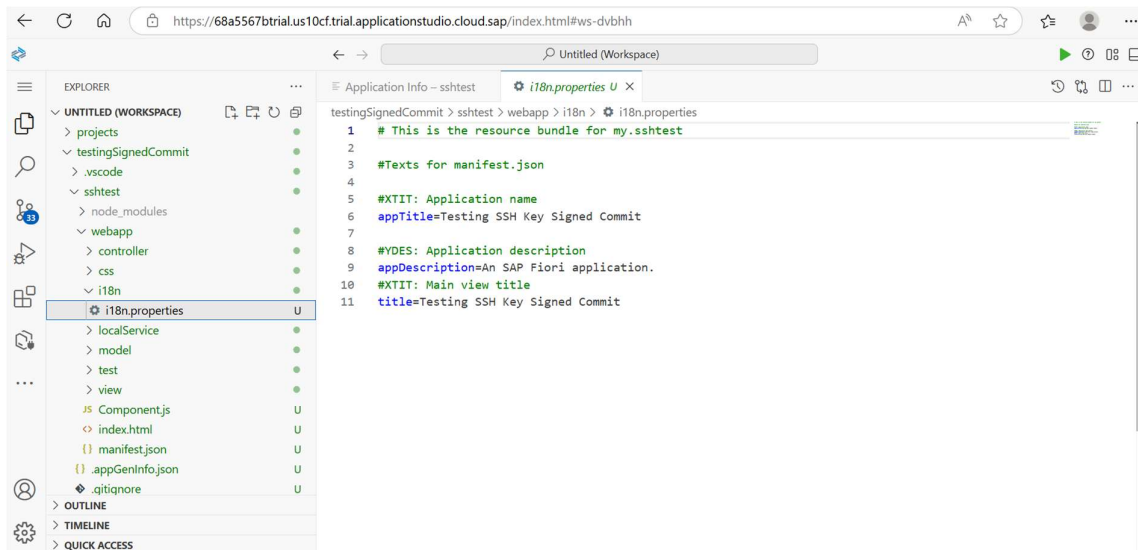


2. Create a Project in BAS Clone the Git Repository





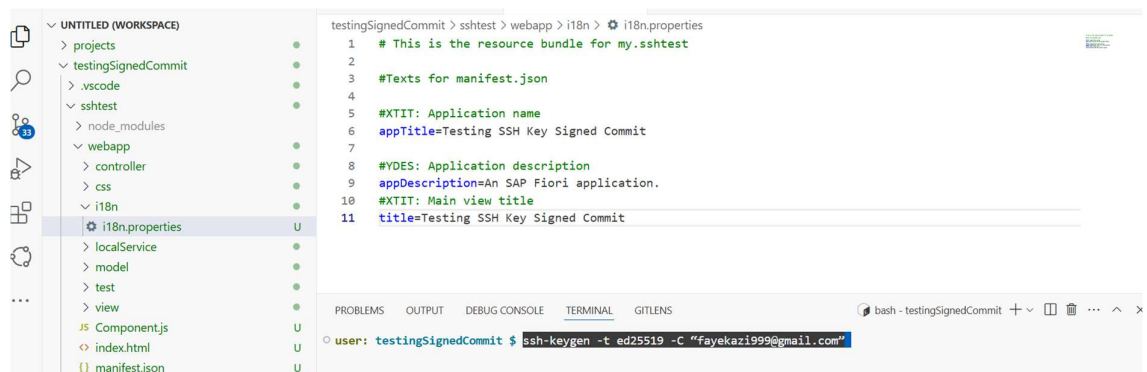
3. Create a Project Using Fiori App Generator – module `sshtest` created.



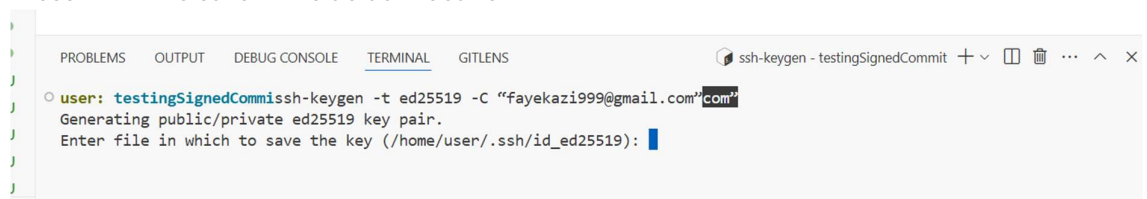
4. Now Set Up the SSH Key and Signature on the BAS

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

```
ssh-keygen -t ed25519 -C "fayekazi999@gmail.com"com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/home/user/.ssh/id_ed25519):
Enter passphrase (empty for no passphrase):
```

It will show the Key generated

```
ssh-keygen -t ed25519 -C "fayekazi999@gmail.com"com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/home/user/.ssh/id_ed25519):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/user/.ssh/id_ed25519
Your public key has been saved in /home/user/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256: [redacted]
The key's randomart image is:
+--[ED25519 256]--+
  .. o .+
  . . .+
  . o .+
  o o .+ .o
  o o .+ .o
  o o .+ .o
  o o .+ .o
  o o .+ .o
  o o .+ .o
  o o .+ .o
+-----[SHA256]-----+
user: testingSignedCommit $
```

```
user: testingSignedCommit $ cat ~/.ssh/id_ed25519.pub
ssh-ed25519 [redacted] "fayekazi999@gmail.com"
user: testingSignedCommit $ git config --global gpg.format ssh
```

```
user: testingSignedCommit $ cat ~/.ssh/id_ed25519.pub
[redacted] "fayekazi999@gmail.com"
user: testingSignedCommit $ git config --global gpg.format ssh
user: testingSignedCommit $ git config --global user.signingkey ~/.ssh/id_ed25519.pub

user: testingSignedCommit $ cat ~/.ssh/id_ed25519.pub
[redacted] "fayekazi999@gmail.com"
user: testingSignedCommit $ git config --global gpg.format ssh
user: testingSignedCommit $ git config --global user.signingkey ~/.ssh/id_ed25519.pub
user: testingSignedCommit $ git config --global commit.gpgsign true
```

Copy the Public Key

cat ~/.ssh/id_ed25519.pub


```
user: testingSignedCommit $ git config --global gpg.format ssh
user: testingSignedCommit $ git config --global user.signingkey ~/.ssh/id_ed25519.pub
user: testingSignedCommit $ git config --global commit.gpgsign true
user: testingSignedCommit $ cat ~/.ssh/id_ed25519.pub
ssh-ed25519 [redacted] "fayekazi999@gmail.com"
user: testingSignedCommit $
```

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**.

← ↻ 🏠 <https://github.com/settings/keys> ⌵ 🔍 Type [7] to search ⌨ + ⌵ ⌵ ⌨ +

 Settings

🔍 Type [7] to search ⌨ + ⌵ ⌵ ⌨ +

 **Fayez Kazi (fayezkazi)**
Your personal account Go to your personal profile

Public profile

Account

Appearance

Accessibility

Notifications

Access

Billing and licensing

Emails

Password and authentication

Sessions

SSH and GPG keys

SSH keys

New SSH key


There are no SSH keys associated with your account.

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

GPG keys

New GPG key

This is a list of GPG keys associated with your account. Remove any keys that you do not recognize.

 **Email address:** fayezkazi999@gmail.com
Key ID: [REDACTED]
[REDACTED]
Added on Jun 11, 2025

Delete

Copy the SSH Key created in BAS and Add

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Authentication keys

 **Fayez Signed**
SHA256: [REDACTED] /M6C [REDACTED] OT4
Added on Jun 25, 2025
Never used — Read/write

Delete

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

6. Back to BAS

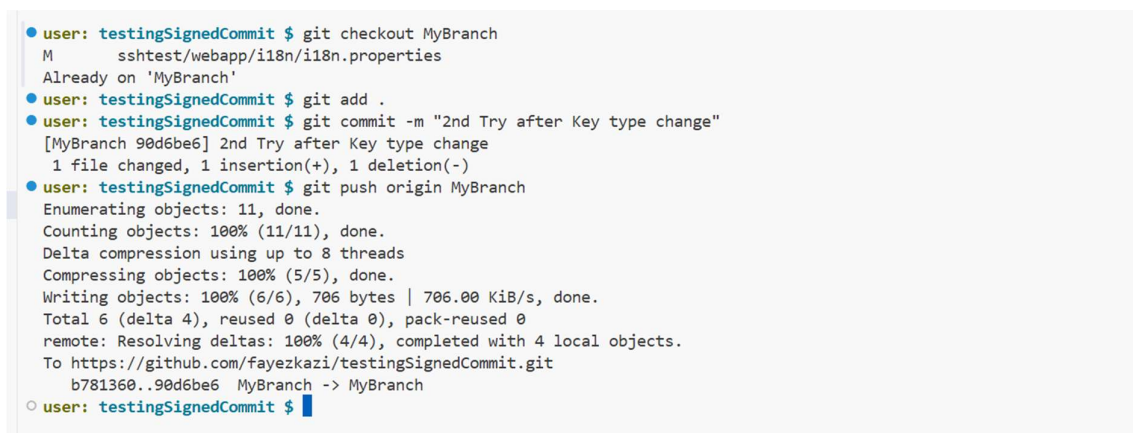
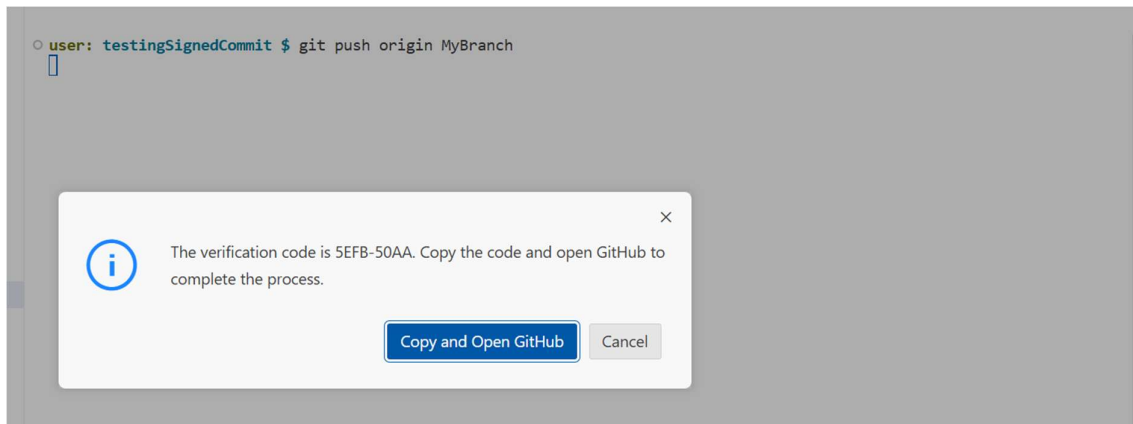
... PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** GITLENS bash - testingSignedCommit + - ☒ ☒ ...

```
user: testingSignedCommit $ ssh -T git@github.com
```

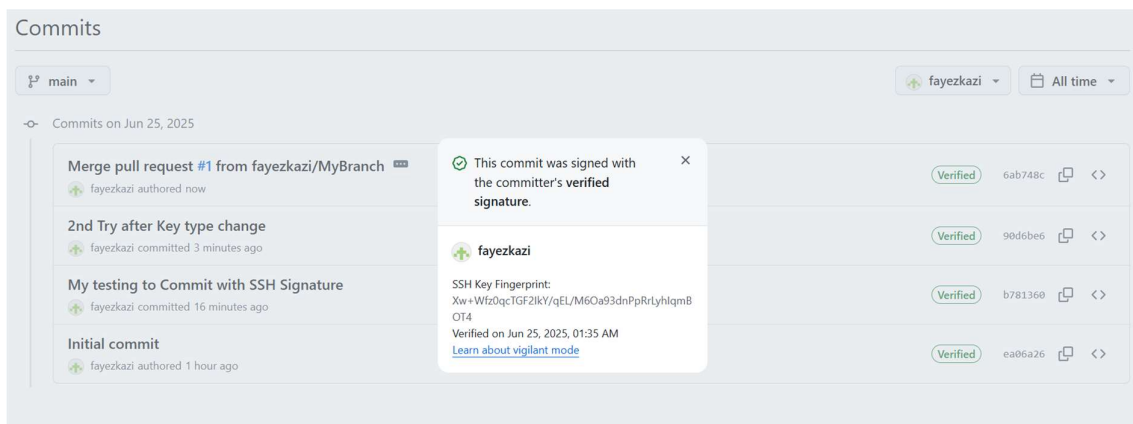
```
user: testingSignedCommit $ ssh -T git@github.com
The authenticity of host 'github.com (140.82.112.4)' can't be established.
ED25519 key fingerprint is SHA256: [REDACTED]
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently 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 sstest/.appGenInfo.json
```



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.