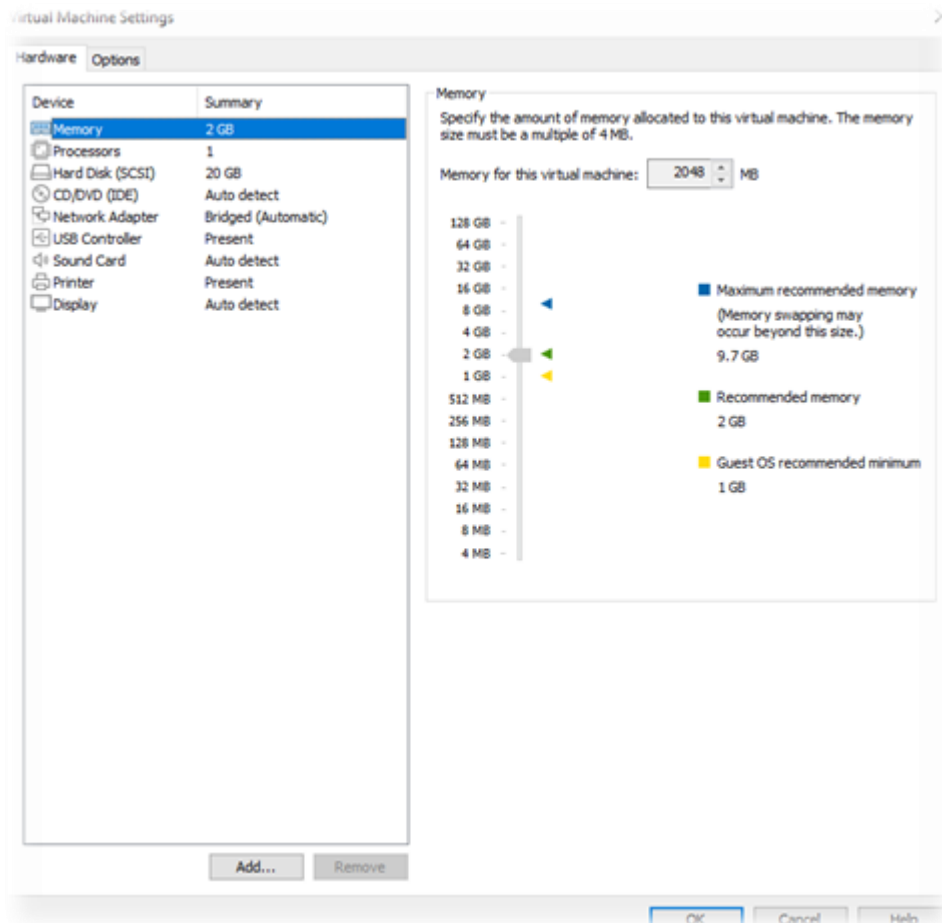


## SERVEUR GIT

- Ici nous avons les paramètres de la machine virtuelle :



C'est une config minimale qu'il est parfaite pour le bon fonctionnement de la machine.

- Ici on peut voir que ma machine virtuelle fonctionne en SSH :



- Grâce à cette configuration :

```

OpenSSH client
GNU nano 3.2 /etc/ssh/sshd_config

#OpenSSH: sshd_config,v t.103 2018/04/09 20:41:22 tj Exp $

This is the sshd server system-wide configuration file. See
sshd_config(5) for more information.

This sshd was compiled with PATH=/usr/bin:/bin:/usr/sbin:/sbin

The strategy used for options in the default sshd_config shipped with
OpenSSH is to specify options with their default value where
possible, but leave them commented. Uncommented options override the
default value.

#Port 22
AddressFamily any
ListenAddress 0.0.0.0
ListenAddress ::

HostKey /etc/ssh/ssh_host_rsa_key
HostKey /etc/ssh/ssh_host_ecdsa_key
HostKey /etc/ssh/ssh_host_ed25519_key

#Ciphers and keying
#KeyExchange default none

#Logging
#SyslogFacility AUTH
#LogLevel INFO

#Authentication:

#PubkeyAuthentication yes

#AuthorizedKeysFile none
AuthorizedKeysFile .ssh/authorized_keys .ssh/authorized_keys2

#AuthorizedPrincipalsFile none

AuthorizedKeysCommand none
AuthorizedKeysCommandUser nobody

#For this to work you will also need host keys in /etc/ssh/ssh_known_hosts
HostBasedAuthentication no
#Change to yes if you don't trust ~/.ssh/known_hosts for
HostBasedAuthentication
IgnoreUserKnownHosts no
#Don't read the user's ~/.rhosts and ~/.shosts files
IgnoreRhosts yes

#To disable tunneled clear text passwords, change to no here!
PasswordAuthentication yes
PermitEmptyPasswords no

```

- Ici nous avons les fichiers de configuration de GITEA avec le certificat SSL :

```

OpenSSH client
GNU nano 3.2 /etc/nginx/sites-available/gitea-ssl.conf

server {
    listen 443;
    server_name srvgit;
    access_log /var/log/nginx/gitea_access.log;
    error_log /var/log/nginx/gitea_error.log;
    ssl on;
    ssl_certificate /etc/ssl/srvgit.crt
    ssl_certificate_key /etc/ssl/srvgit.key;
    location / {
        proxy_pass http://localhost:3000;
    }
}

```

```
server {
    listen 443;
    listen [::]:443;

    server_name 10.10.14.25 www.10.10.14.25;

    ssl on;
    ssl_certificate /etc/nginx/ssl/srvgit.crt;
    ssl_certificate_key /etc/nginx/ssl/srvgit.key;

    location / {
        proxy_pass http://localhost:3000;
    }

    access_log /var/log/nginx/10.10.14.25.access.log;
    error_log /var/log/nginx/10.10.14.25.error.log;
}
```

```
[MAIN]
DOMAIN = 10.10.14.25
NOT_URL = https://10.10.14.25:443/
APP_NAME = Gitea: Git with a cup of tea
APP_USER = git
APP_MODE = prod

[database]
DB_TYPE = mysql
HOST = 127.0.0.1:3306
NAME = gitea
USER = gitea
PASSWD = password
SSL_MODE = disable
CHARSET = utf8
PATH = /var/lib/gitea/data/gitea.db
SQL_Sql = false

[repository]
NOT = /var/lib/gitea/data/gitea-repositories

[server]
APP_DOMAIN = 10.10.14.25
DOMAIN = 10.10.14.25
HTTP_PORT = 3000
NOT_URL = https://10.10.14.25:443/
ENABLE_SSH = false
SSH_PORT = 22
SSH_START_SERVER = true
SSH_KEY_SECRET = 3a8cf7bX1XMXD96318pJcd-CHCTgOLE3Ckd4Hv6vY
OFFLINE_MODE = false

[fs]
PATH = /var/lib/gitea/data/fs

[mailer]
ENABLED = false

[service]
REGISTER_EMAIL_CONFIRM = false
ENABLE_NOTIFY_MAIL = false
DISABLE_REGISTRATION = false
ALLOW_ONLY_EXTERNAL_REGISTRATION = false
ENABLE_CAPTCHA = false
REQUIRE_SIGNIN_VIEW = false
DEFAULT_KEEP_EMAIL_PRIVATE = false
DEFAULT_ALLOW_CREATE_ORGANIZATION = true
DEFAULT_ENABLE_TIMETRACKING = true
NO_REPLY_ADDRESS = noreply.localhost

[openid]
ENABLE_OPENID_SIGNIN = true
ENABLE_OPENID_SIGNUP = true

[cron.update_checker]
ENABLED = false
```

```

GNU nano 3.2 /etc/gitea/app.ini
[security]
JWT_SECRET = JuUKf3bXlXp3XD963lBpjcd-CHKTgOLE3Ckd4Tiw6nY
OFFLINE_MODE = false

[fs]
PATH = /var/lib/gitea/data/ifs

[mailer]
ENABLED = false

[service]
REGISTER_EMAIL_CONFIRM = false
ENABLE_NOTIFY_MAIL = false
DISABLE_REGISTRATION = false
ALLOW_ONLY_EXTERNAL_REGISTRATION = false
ENABLE_CAPTCHA = false
REQUIRE_SIGNIN_VIEW = false
DEFAULT_KEEP_EMAIL_PRIVATE = false
DEFAULT_ALLOW_CREATE_ORGANIZATION = true
DEFAULT_ENABLE_TIMETRACKING = true
NO_REPLY_ADDRESS = noreply.localhost

[openid]
ENABLE_OPENID_SIGNIN = true
ENABLE_OPENID_SIGNUP = true

[iron.update_checker]
ENABLED = false

[session]
PROVIDER = file

[log]
MODE = console
LEVEL = info
LOG_PATH = /var/lib/gitea/log
ROUTER = console

[repository.pull-request]
DEFAULT_MERGE_STYLE = merge

[repository.signing]
DEFAULT_TRUST_MODEL = committer

[security]
INSTALL_LOCK = true
INTERNAL_TOKEN = eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmYiOiJlZ200Q4MzM4OTB9.VycQfErBhJYzwsZ9wICBz2qmMGGrS09j
PASSWORD_HASH_ALGO = pbkdf2

```

- Certificat SSL :

```

OpenSSH SSH client
GNU nano 3.2 /etc/nginx/ssl/srvgit

-----BEGIN CERTIFICATE-----
MIIDQTCCAPECFDMjUM/hKRTI4FFLiR2aYvPVdv+FLMA0GCSqGSIb3DQEBCwUAMIGQ
IQswCQYDVQQGEwJGUjEPMAGGA1UECAwGRlJBtKtNFMQ4wDAYDVQQHDAVMSUXMRTEt
MBEGA1UECgwKV09JVC1HUK9VUDEMMaoGA1UECwwvDREVWmRYwFAYDVQQDDA1GaW5v
Z3RhLmV2Y2F5MSUwIiwYKjZ3IiwvNAQkBFhZpbmZvZGV2QHDvaXQtZ3JvdXAuY29t
eHB4XDTIzMDUyNTA4MzEyOFOxDTI0MDUyNTA4MzEyOFOwZAxCAJBGNVBAYTAkZS
IQ8wDQYDVQQIDAZGUGkFOQ0UxZjAMBGNVBACMBUxJTEwFMRMwEQYDVQQKDApXT01U
LUdST1VQMwQwCgYDVQQLDANERVYxZjAUBGNVBAMMDUZpbm9zdGEubG9jYVwXJTAj
gkqhkiG9w0BCQEFmluZm9kZXZAd29pdC1ncm91cC5jb20wgGEiMA0GCSqGSIb3
DQEBAQUAA4IBDwAwggEKAoIBAQCe/q5wwUVKqLBoChmg8oqjPp0PvyF9fNC8EDd0
SkPfxS0Er4FF9TTHA0VSEffqWYHVINB9sRj5LL1TfKoyTMBGDa1B9DqL6H3Z+48
TSd30sV4AGzuE9D0eLwFWFn/D95JslxAEvkRvYmNSD5q13QhoVY/NRjNj58mdbPU
OrhnRUcgZB1Rv/e55GG000eYqMVQzs4LwOKPzSh/pKjhWzrgUsqZtc3w2Tfz0x9/
gV2dN6GXYZGwCuQ6ZfU0b2slb0lxjeWKKWgKqCna96b8NAqsC/nBN59neCHYWPkB
SNIX/xUwGSJ9JaxZB8C2VPbVACIEjmPY6JvDj6GLsnBiDgPAgMBAAEwDQYJKoZI
hvcNAQELBQADggEBACT4fpK5FgfGtRJMzU+jWdJQ7a+rsBj0d/RU/oWCgcDOHAts
teTZuOfneTdW2UbXXNmA3SwcmvXw+I8zR+z8qjgWUJhDcdN9uIHwITj1Jyvx646
nt19uKi1tpqQyr+QhrSDvZ7PU+cb10McD+QLR2kxvDJZfMBCq9jpY9CInNve/k79
/pmNe3HTz7TUDrDh2zrjwymlqUv3SAUAGtvmvqYGWZE8u1ACTgX9v+SLwy1hfcAK
tQfSE/uAQefPmSU3oz6VIv0AnVLEHaF4z70oxwNZILSQAk8vICGjyD+3DsDBFdlm
dZfd7d3RjGrXpxkGR0Q6sPN7i9CcLIMTOW5gF0=
-----END CERTIFICATE-----

```

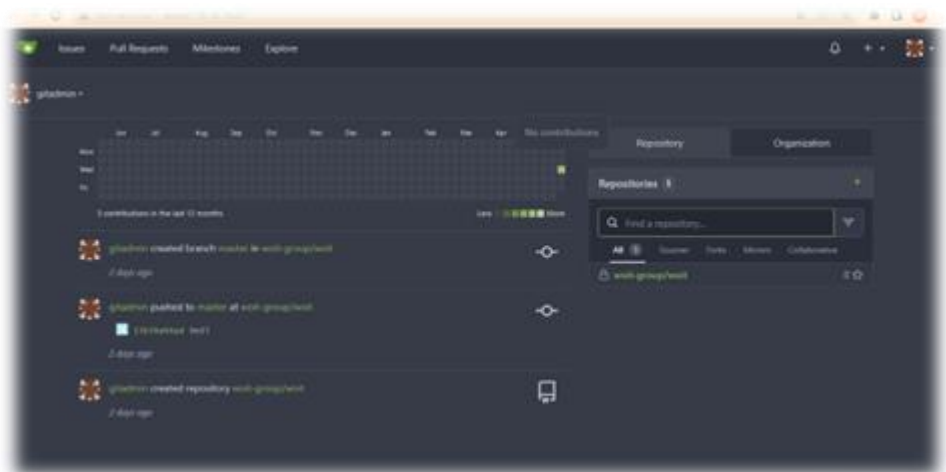


```

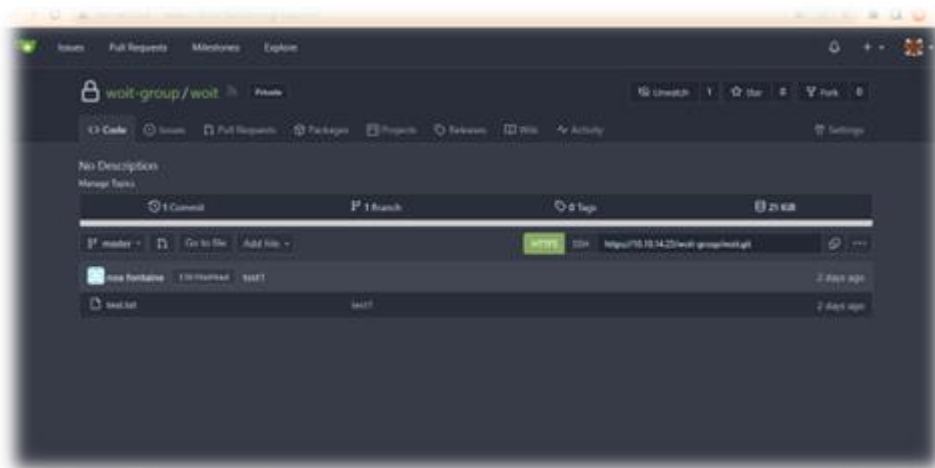
OpenSSH SSH client
GNU nano 3.2 /etc/nginx/ssl/srvgit.1
-----BEGIN PRIVATE KEY-----
MIIEvgIBADANBgkqhkiG9w0BAQEFAASCBAgEAAoIBAQCe/q5wwUVKqLBo
hmg8oqjPp0PvyF9fNC8EDd06kPfxS0Er4FF9TThAOVsEFFqHwYHVINB9sRj5LL1
fKoyTMBgDa1B9DqL6H3Z+48TSd30sV4AGzuE9D0eLwFWFn/D95JslxAEvkRvYMn
5D5qi3QhoVY/NRJN758mdbPU0rhnrUCgZB1Rv/e55GG0o0eYqMVQzs4LwOKPzSh/
KjhWzrgUsqZtc3w2Tfz0x9/gV2dN6GXKYZGwcuQ6ZfU0b2s1b01xjeWKGKqCna
6b8NAqsC/nBN59neCHYWPKB6NXIX/xUWgS3J9JAxZB8C2VPbVACIEjmPY6JvDJ6G
snBiDgpAgMBAAECggEBAJI+XkOWcl7WxNQdni89iKnY+Oy3+F0Nho3FOM1Qgbf9
0IiHyheIEOh5Q41fhwRSOWJNKSJukXv0q2sZFH+N+V2DCk7/bn1J80e5cBeFPC1p
HqNoArNE6Qmx4L/HmCovv74kQPar8BSmaVzPP4RYXNhjAw9i6TuMeRVVNB71owd
aIWxcB5hovU3oN3YsvsgUSGYQsOK9qKGhHhyQ7Bv8fSvfDPVaFsUK9KZ1xWZRC00
JHBT3c2YdSq+EdDT1NUhPT5TVakY+Y02f5Ib3oSY65pFXP/2v5AEEz85GxUwtIE
7Bnd139mc9tZaUvSrTzQXdORLQjKwAESvgLYudbZHECgYEA0WkvEeGrYIu9Ux12
eIHylPviAg4d91Dqz6WvfrgYsjwx7Wjl1cm9W2J40xU4yKMaZwcdkro993beiFaF
IDfAuZLLosPpv7kC7gKaZSRre7s0oYxEIYYxdjfwX0MiSDiqNew449vIpYZbZySI
Nrd7cF4GM51ZXe01e7V8t6IkI0CgYEAwmQhSEC8WXzrV78TLAAef/bPe+sqAQEJ
qk38dd38IcBoA1+W7QjS3Q7YXp3bM14D9n2XrD5FMnzJ/Qr9ZvedWyHj26vIhNk
av92aXEjrr16GUCT13Gu6NO73vbdqK/oFj2+fahKNsqd0FTmDPKMBBzXrkJP883X
7RwsISmpQ0CgYEAk2NXwMqNjCRRXJFr51/xTODxMmk1htwatBf49MY5/ByLOIbC
7j739PtIQirM/A7wZIsqAWZn9yHZ5qE53bN8Wx0h2WCLL+8PM8Iz4DutEINz85
tjAD2Sds6xmipBvffJlkeGDBWGK/LFd3FH6cAaRSGYQPs+ETlhPM3mzuzHECgYAr
LWi+CMg/6wuU2CtIO26mbR2yR3tkd0oop1Ye7iU1NXxtXb2iV7xmvotJYraZKwc
7EWvpziJrHMBuMnWr8+qYm1JZ6sy61wCAYImQ6Lx1oDeXiEFSRdZtWzwm9/kOve
s00lXTyMsYexCfh01j+h02a+X/eciZw3+oCViDdtQKBgEDzC6UPIEGUZRHEjYuG
DERq1nW2mlGJmK4d7eu0jnntFMq2Uu/kZZXT13J9s80ksQHTZkXaPOhsA2oMvH1
w8fyFbp0RwxorHw/fx1zuDQMkQk/o9GR7jI26qm67+e++upZNuT9kXSeTinFTWC
GQE1g9XIwDF373005tHaHPH
-----END PRIVATE KEY-----

```

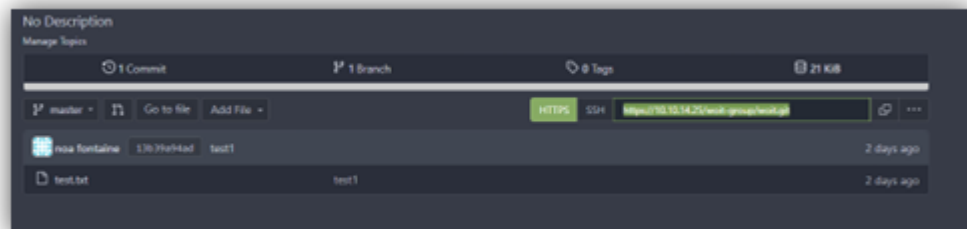
- Voici le résultat de fin :



- J'ai effectué des tests pour voir si tout fonctionne. Et tout fonctionne :



- Le test a été effectué grâce à ces lignes de commandes dans un logiciel qui s'appelle GIT Bash, je vais refaire un test pour vous montrer que cela fonctionne :
  - o On prend le lien du projet pour pouvoir faire un commit :



- o Ensuite on tape la commande suivante pour avoir une trace de là où l'on veut faire le commit :

```
noa.fontaine@DESKTOP-NSSE399 MINGW64 ~
$ git clone https://10.10.14.25/woit-group/woit.git
```

- o Ensuite on se déplace dans au niveau du fichier WOIT :

```
noa.fontaine@DESKTOP-NSSE399 MINGW64 ~
$ cd woit
```

- o Ici nous allons écrire "ceci est un test" dans un nouveau fichier test2768289.txt :

```
noa.fontaine@DESKTOP-NSSE399 MINGW64 ~/woit (master)
$ echo ceci est un test > test2768289.txt
```

- o Puis on ajoute le fichier test2768289.txt directement dans le dossier WOIT :

```
noa.fontaine@DESKTOP-NSSE399 MINGW64 ~/woit (master)
$ git add test2768289.txt
```

- Enfin nous faisons le commit pour pouvoir mettre tout ça dans le projet :

```
noa.fontaine@DESKTOP-NSSE399 MINGW64 ~/woit (master)
$ git commit -m "test pour mon compte rendu de stage"
[master 5e6d25c] test pour mon compte rendu de stage
Committer: noa fontaine <noa.fontaine@woit-group.com>
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:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

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 test2768289.txt

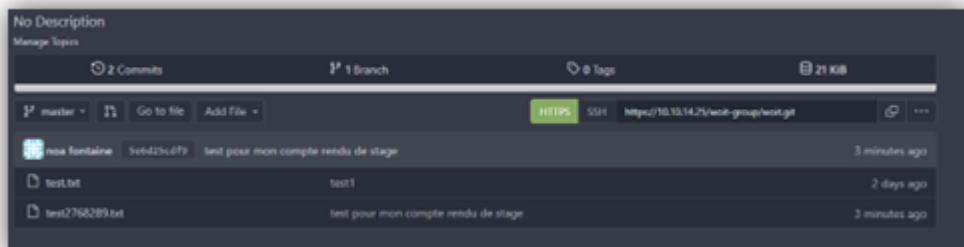
noa.fontaine@DESKTOP-NSSE399 MINGW64 ~/woit (master)
$ |
```

- Pour finir nous devons faire cette commande pour valider le push :

```
noa.fontaine@DESKTOP-NSSE399 MINGW64 ~/woit (master)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 308 bytes | 154.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: . Processing 1 references
remote: Processed 1 references in total
To http://10.10.14.25/woit-group/woit.git
    13b39a9..5e6d25c  master -> master

noa.fontaine@DESKTOP-NSSE399 MINGW64 ~/woit (master)
$
```

- Voici le résultat :



Plus tard mes collègues mettront cette VM sur un véritable Serveur pour pouvoir y accéder sans problèmes.