SNA Lab - Tracking code on-premises

- Choose a VCS (CVS, SVN, GIT) and create a repository in there with a few commits.
Done with git init.
- Show the last 3 commit logs and diffs from the command line client.

1 commit:

```
banana_and_bread@yourMummy:~/temp$ touch a.txt
banana_and_bread@yourMummy:~/temp$ touch b.txt
banana_and_bread@yourMummy:~/temp$ touch c.txt
banana_and_bread@yourMummy:~/temp$ git add .
banana_and_bread@yourMummy:~/temp$ got commit -m "some commits"

Command 'got' not found, but there are 17 similar ones.

banana_and_bread@yourMummy:~/temp$ git commit -m "some commits"
[master (root-commit) 0468c40] some commits
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 a.txt
 create mode 100644 b.txt
 create mode 100644 c.txt
banana_and_bread@yourMummy:~/temp$ git log
```

2 commit:

```
banana_and_bread@yourMummy:~/temp$ touch d.txt
banana_and_bread@yourMummy:~/temp$ git add d.txt
banana_and_bread@yourMummy:~/temp$ ls
a.txt  b.txt  c.txt  d.txt
banana_and_bread@yourMummy:~/temp$ git commit -m "another commit"
[master 58940c4] another commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 d.txt
```

3 commit:
Edited d.txt a little bit.

```
banana_and_bread@yourMummy:~/temp$ git add d.txt
banana_and_bread@yourMummy:~/temp$ git commit -m "the last one"
```

Git log:

```
commit abac982003923376e57ec91168e72549e94ee96a (HEAD -> master)
Author: BananaAndBread <vaskovskaya.dasha2@yandex.ru>
Date:   Tue Oct 22 20:14:39 2019 +0300

    the last one

commit 58940c465058a365c5fbec680394496dce220915 (origin/master)
Author: BananaAndBread <vaskovskaya.dasha2@yandex.ru>
Date:   Tue Oct 22 19:53:27 2019 +0300

    another commit

commit 0468c401eb568953f4fdf327c12889a4db95a645
Author: BananaAndBread <vaskovskaya.dasha2@yandex.ru>
:
```

Git diffs:

```
See 'snap info <snapname>' for additional versions.

banana_and_bread@yourMummy:~/temp$ git diff 58940c465058a365c5fbec6803
94496dce220915 0468c401eb568953f4fdf327c12889a4db95a645
diff --git a/d.txt b/d.txt
deleted file mode 100644
index e69de29..0000000
banana_and_bread@yourMummy:~/temp$ git diff ^C
banana_and_bread@yourMummy:~/temp$ git diff 0468c401eb568953f4fdf327c1
2889a4db95a645 58940c465058a365c5fbec680394496dce220915
diff --git a/d.txt b/d.txt
new file mode 100644
index 0000000..e69de29
banana_and_bread@yourMummy:~/temp$
```
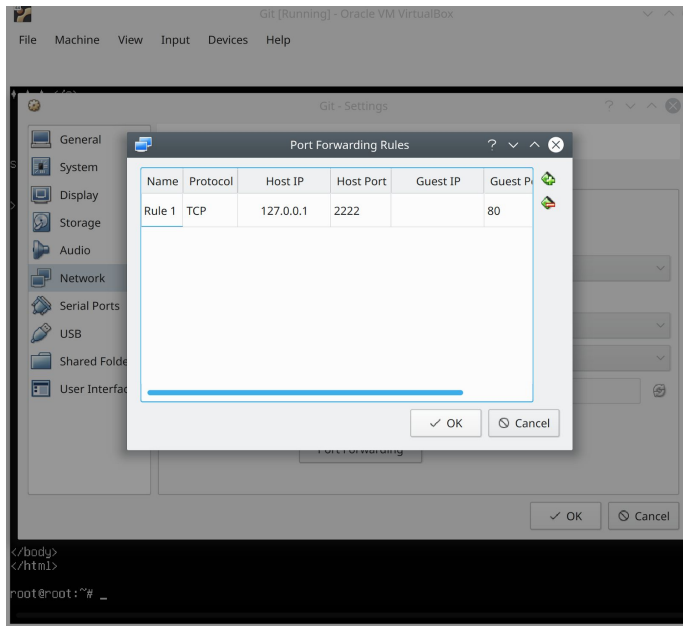
```
banana_and_bread@yourMummy:~/temp$ git diff 58940c465058a365c5fbec680
94496dce220915 abac982003923376e57ec91168e72549e94ee96a
diff --git a/d.txt b/d.txt
index e69de29..8d463a8 100644
--- a/d.txt
+++ b/d.txt
@@ -0,0 +1 @@
+kek
banana_and_bread@yourMummy:~/temp$
```

- Then designate a viewer that fits e.g. as follows, and show how you integrate it into
  the system (pulling an existing docker image
  is not allowed).

Done (chosen Gitea) following this tutorial (in virtualbox image):

https://www.vultr.com/docs/how-to-install-gitea-on-ubuntu-18-04

Forwarded ports by:

Pushed from the localhost:

```
git remote add origin http://localhost:2222/root/SNA.git

git push -u origin master

Here we are:
```

another commit

Browse Source

BananaAndBread 12 minutes ago

parent `0468c401eb`
commit `58940c4650`

1 changed files with **0 additions** and **0 deletions**

Split View　Show Diff Stats

⬛ d.txt　　　　　　　　　　　　　　　　　　　　0 0

+ 0 ▬▬▬ - 0　d.txt　　　　　　　　　　　　　View File

⚒ Settings

the last one

Browse Source

BananaAndBread 4 minutes ago

parent `58940c4650`
commit `abac982003`

1 changed files with **1 additions** and **0 deletions**

Split View　Show Diff Stats

+ 1 ▬▬▬ - 0　d.txt　　　　　　　　　　　　　View File

```
@@ -0,0 +1 @@
1   +kek
```