

LAPORAN PRAKTIKUM
TEKNOLOGI CLOUD
PERTEMUAN KE – 1



Disusun Oleh :

NAMA : TARISA DWI SEPTIA
NIM : 205410126
JURUSAN : TEKNIK INFORMATIKA
JENJANG : S1

Sekolah Tinggi Management Informatika Komputer

AKAKOM

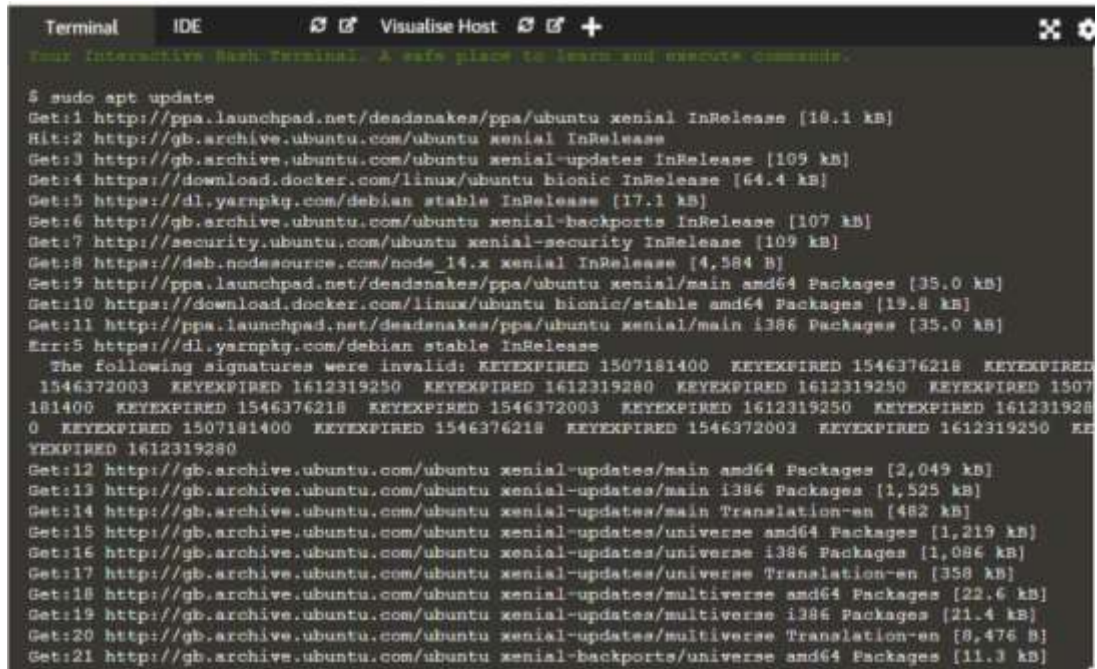
YOGYAKARTA

2020

SaaS - Etherpad

A. Praktik

1. Masuk ke terminal playground kemudian melakukan perintah update list repository



```
Terminal IDE Visualise Host +
Your Interactive Bash Terminal. A safe place to learn and execute commands.

$ sudo apt update
Get:1 http://ppa.launchpad.net/deadsnakes/ppa/ubuntu xenial InRelease [18.1 kB]
Hit:2 http://gb.archive.ubuntu.com/ubuntu xenial InRelease
Get:3 http://gb.archive.ubuntu.com/ubuntu xenial-updates InRelease [109 kB]
Get:4 https://download.docker.com/linux/ubuntu bionic InRelease [64.4 kB]
Get:5 https://dl.yarnpkg.com/debian stable InRelease [17.1 kB]
Get:6 http://gb.archive.ubuntu.com/ubuntu xenial-backports InRelease [107 kB]
Get:7 http://security.ubuntu.com/ubuntu xenial-security InRelease [109 kB]
Get:8 https://deb.nodesource.com/node_14.x xenial InRelease [4,584 B]
Get:9 http://ppa.launchpad.net/deadsnakes/ppa/ubuntu xenial/main amd64 Packages [35.0 kB]
Get:10 https://download.docker.com/linux/ubuntu bionic/stable amd64 Packages [19.8 kB]
Get:11 http://ppa.launchpad.net/deadsnakes/ppa/ubuntu xenial/main i386 Packages [35.0 kB]
Err:5 https://dl.yarnpkg.com/debian stable InRelease
The following signatures were invalid: KEYEXPIRED 1507181400 KEYEXPIRED 1546376218 KEYEXPIRED
1546372003 KEYEXPIRED 1612319250 KEYEXPIRED 1612319280 KEYEXPIRED 1612319250 KEYEXPIRED 1507
181400 KEYEXPIRED 1546376218 KEYEXPIRED 1546372003 KEYEXPIRED 1612319250 KEYEXPIRED 161231928
0 KEYEXPIRED 1507181400 KEYEXPIRED 1546376218 KEYEXPIRED 1546372003 KEYEXPIRED 1612319250 KE
YEXPIRED 1612319280
Get:12 http://gb.archive.ubuntu.com/ubuntu xenial-updates/main amd64 Packages [2,049 kB]
Get:13 http://gb.archive.ubuntu.com/ubuntu xenial-updates/main i386 Packages [1,525 kB]
Get:14 http://gb.archive.ubuntu.com/ubuntu xenial-updates/main Translation-en [482 kB]
Get:15 http://gb.archive.ubuntu.com/ubuntu xenial-updates/universe amd64 Packages [1,219 kB]
Get:16 http://gb.archive.ubuntu.com/ubuntu xenial-updates/universe i386 Packages [1,086 kB]
Get:17 http://gb.archive.ubuntu.com/ubuntu xenial-updates/universe Translation-en [358 kB]
Get:18 http://gb.archive.ubuntu.com/ubuntu xenial-updates/multiverse amd64 Packages [22.6 kB]
Get:19 http://gb.archive.ubuntu.com/ubuntu xenial-updates/multiverse i386 Packages [21.4 kB]
Get:20 http://gb.archive.ubuntu.com/ubuntu xenial-updates/multiverse Translation-en [8,476 B]
Get:21 http://gb.archive.ubuntu.com/ubuntu xenial-backports/universe amd64 Packages [11.3 kB]
```

2. Membuat etherpad user

```
$ sudo adduser --system --home=/opt/etherpad --group etherpad
Adding system user `etherpad' (UID 111) ...
Adding new group `etherpad' (GID 117) ...
Adding new user `etherpad' (UID 111) with group `etherpad' ...
Creating home directory `/opt/etherpad' ...
$
```

3. Menginstalasi library

Library adalah kebutuhan modul atau aplikasi ketergantungan yang digunakan untuk membangun aplikasi etherpad di server kamu

```
$ sudo apt-get install gzip git curl python libssl-dev build-essential abiword software-properties-common
Reading package lists... Done
Building dependency tree
Reading state information... Done
build-essential is already the newest version (12.1ubuntu2).
gzip is already the newest version (1.6-4ubuntu1).
python is already the newest version (2.7.12-1~16.04).
python set to manually installed.
software-properties-common is already the newest version (0.96.20.10).
The following package was automatically installed and is no longer required:
  libuv1
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  abiword-common abiword-plugin-grammar acl adwaita-icon-theme aspell aspell-en at-spi2-core
  colord colord-data dconf-gsettings-backend dconf-service dictionaries-common emacsen-common
  enchant evolution-data-server-common fonts-liberation glib-networking glib-networking-common
  glib-networking-services gsettings-desktop-schemas gsf-fonts humanity-icon-theme hunspell-en-us
  libabiword-3.0 libaspell15 libatk-bridge2.0-0 libatspi2.0-0 libboost-filesystem1.58.0
  libboost-system1.58.0 libcairo-gobject2 libcamel-1.2-54 libcapnp-0.5.3 libchamplain-0.12-0
  libchamplain-gtk-0.12-0 libclutter-1.0-0 libclutter-1.0-common libclutter-gtk-1.0-0
  libcogl-common libcogl-pango20 libcogl-path20 libcogl20 libcolord2 libcolorhug2 libcroco3
  libcurl3-gnutls libdconf1 libebook-contacts-1.2-2 libedata-server-1.2-21 libegl1-mesa
  libenchant1c2a libepoxy0 libevdev2 libexif12 libghsl libgd3 libgoffice-0.10-10
  libgoffice-0.10-10-common libgphoto2-6 libgphoto2-110a libgphoto2-port12 libgsf-1-114
  libgsf-1-common libgtk-3-0 libgtk-3-bin libgtk-3-common libgudev-1.0-0 libgusb2
  libhunspell-1.3-0 libical3 libice1:284-3 libinput-bin libinput10 libjson-glib-1.0-0
  libjson-glib-1.0-common liblink-grammar4 libloudmouth1-0 liblshash2 libmirclient9
  libmircommon7 libmircore1 libmirprotobuf3 libstdc++6 libtss0 libudev1 libusb-1.0
  libusb-1.0-common libusb-1.0-dev libusb-1.0-0 libusb-1.0-common libusb-1.0-dev libusb-1.0-0
```

4. Instalasi etherpad

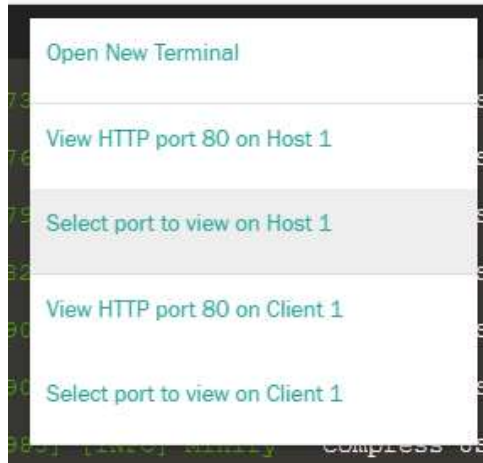
```
$ git clone git://github.com/ether/etherpad-lite.git
Cloning into 'etherpad-lite'...
remote: Enumerating objects: 51846, done.
remote: Counting objects: 100% (2476/2476), done.
remote: Compressing objects: 100% (804/804), done.
remote: Total 51846 (delta 1826), reused 2228 (delta 1672), pack-reused 49370
Receiving objects: 100% (51846/51846), 31.90 MiB | 20.70 MiB/s, done.
Resolving deltas: 100% (37708/37708), done.
Checking connectivity... done.
```

- Menjalankan Etherpad

```
$ cd etherpad-lite
$ cd etherpad-lite
-bash: cd: etherpad-lite: No such file or directory
$
$ bin/run.sh --root
Copy the settings template to settings.json...
Installing dependencies...
added 731 packages in 11.545s
Clearing minified cache...
Starting Etherpad...
[2021-09-18 01:13:40.506] [INFO] console - All relative paths will be interpreted relative to the
identified Etherpad base dir: /root/etherpad-lite
[2021-09-18 01:13:40.511] [DEBUG] AbsolutePaths - Relative path "settings.json" can be rewritten
to "/root/etherpad-lite/settings.json"
[2021-09-18 01:13:40.512] [DEBUG] AbsolutePaths - Relative path "credentials.json" can be rewritt
en to "/root/etherpad-lite/credentials.json"
[2021-09-18 01:13:40.522] [INFO] console - settings loaded from: /root/etherpad-lite/settings.jso
n
[2021-09-18 01:13:40.523] [INFO] console - No credentials file found in /root/etherpad-lite/crede
ntials.json. Ignoring.
[2021-09-18 01:13:40.524] [INFO] console - Using skin "colibri" in dir: /root/etherpad-lite/src/
static/skins/colibri
[2021-09-18 01:13:40.524] [INFO] console - Session key file "/root/etherpad-lite/SESSIONKEY.txt"
not found. Creating with random contents.
[2021-09-18 01:13:40.524] [WARN] console - DirtyDB is used. This is not recommended for productio
n. File location: /root/etherpad-lite/var/dirty.db
[2021-09-18 01:13:40.525] [INFO] console - Random string used for versioning assets: fcb8c3b3
[2021-09-18 01:13:40.735] [INFO] server - Starting Etherpad...
[2021-09-18 01:13:40.776] [INFO] plugins - Running npm to get a list of installed plugins...
```

5. Melakukan pengujian

- Klik tombol + dan pilihlah select port to view seperti gambar diatas.

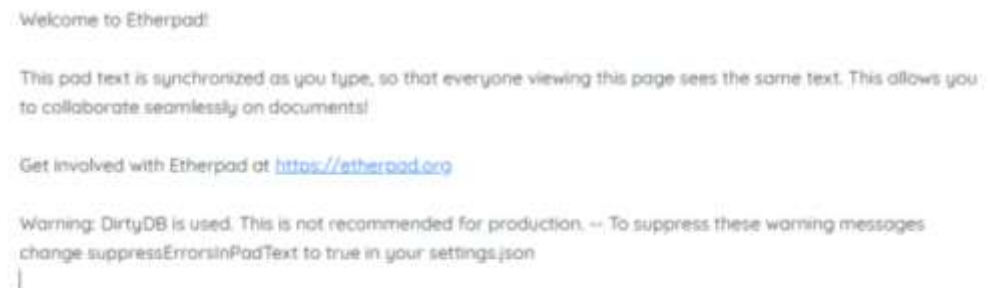


- Setelah terbuka tab browser baru, tuliskan 9001 pada kolom isian port.

Web Preview Port Selector

To display a HTTP server, please enter the port number below

- Setelah itu anda dapat mulai menggunakan etherpad



B. Kesimpulan

Setelah melakukan praktik di atas dapat disimpulkan bahwa etherpad adalah editor real-time dan open-source yang berbasis kolaboratif web yang memungkinkan penulis dapat mengedit dokumen text secara bersamaan dan melihat semua suntingan peserta di waktu yang nyata. Dengan menampilkan setiap teks penulis dengan warna mereka sendiri.