TUGAS AKHIR KOMPUTASI UBIQUITOUS DAN PERVASIF

INSTALASI DAN KONFIGURASI DASHBOARD IOTA DOCKER



DISUSUN OLEH:

MERI JUWITA (09021182025002)

MUHAMMAD FAISAL AKBAR (09021282025097)

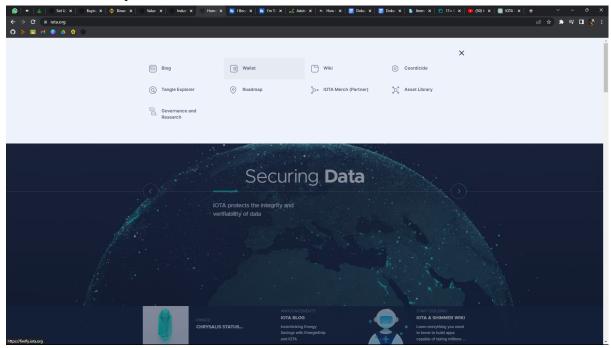
ZINEDINE MAYLANO (09021182025011)

JURUSAN TEKNIK INFORMATIKA FAKULTAS ILMU KOMPUTER UNIVERSITAS SRIWIJAYA 2023

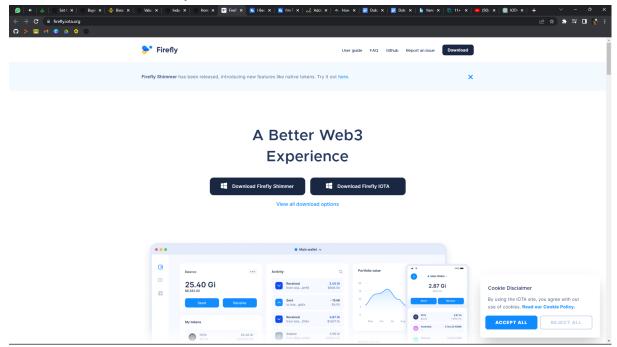
Intalasi IOTA Wallet

Firefly IOTA adalah wallet kriptocurrency yang dirancang khusus untuk menyimpan dan mengelola IOTA. Berikut langkah-langkah untuk instalasi Firefly IOTA.

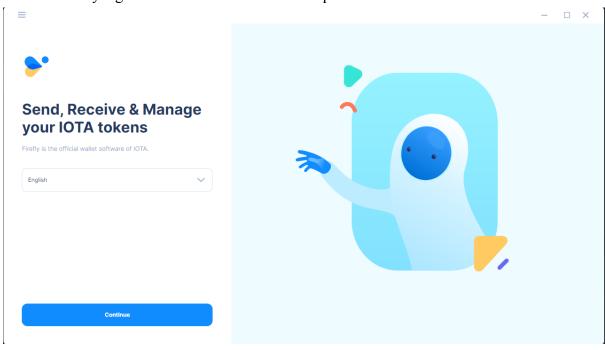
- Download IOTA wallet di https://www.iota.org/.
- Pada menu Explore IOTA tekan Wallet.

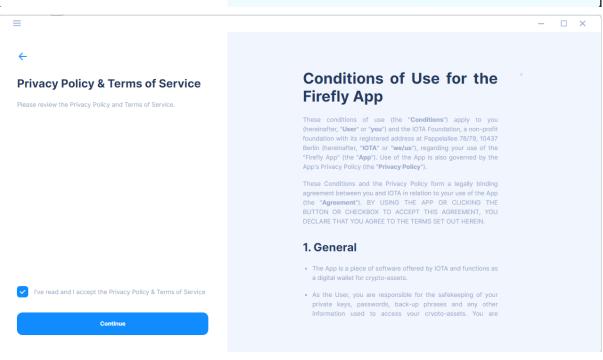


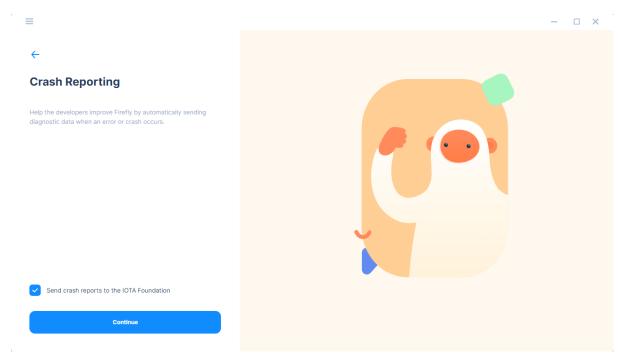
- Tekan Download Firefly IOTA untuk memulai download.



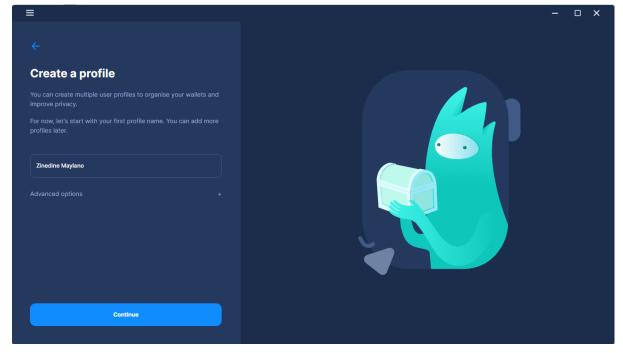
- Buka file yang telah didownload untuk mulai proses instalasi



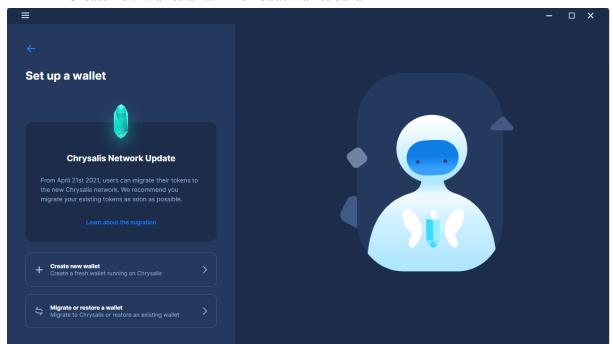




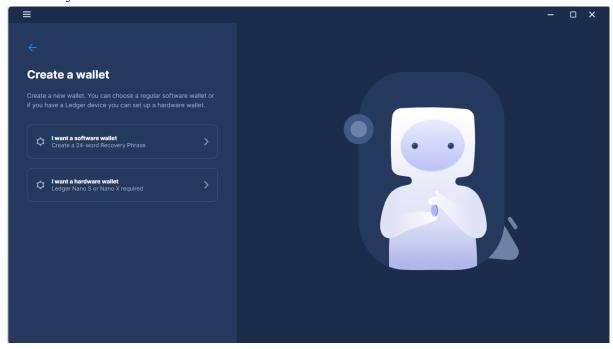
- Buat akun dengan membuat nama profile.



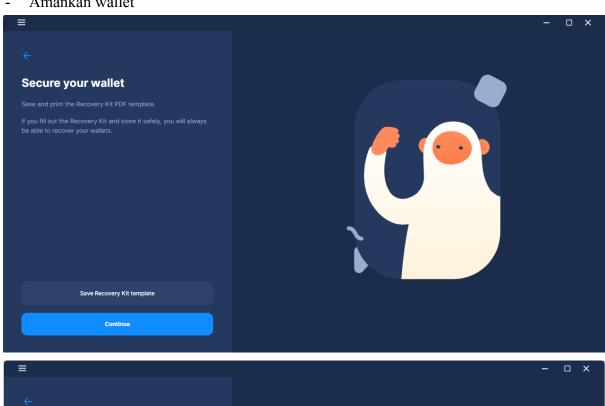
- Pilih Create new wallet untuk membuat wallet baru

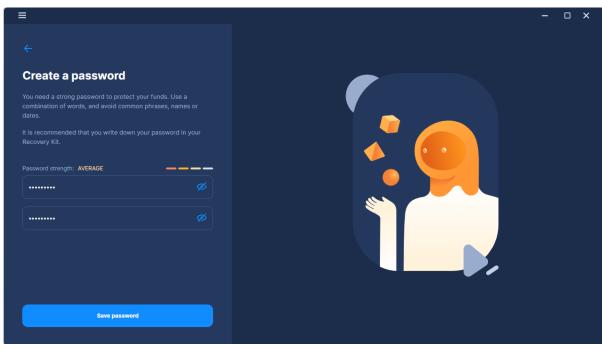


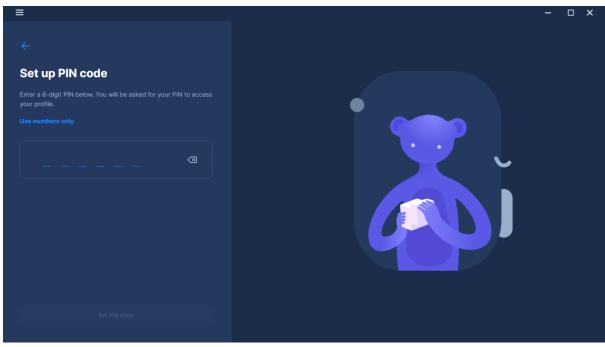
- Pilih jenis wallet.

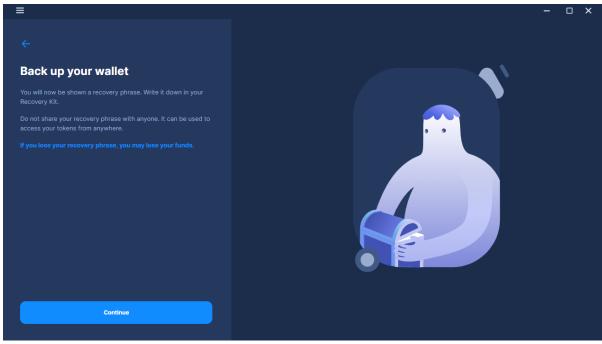


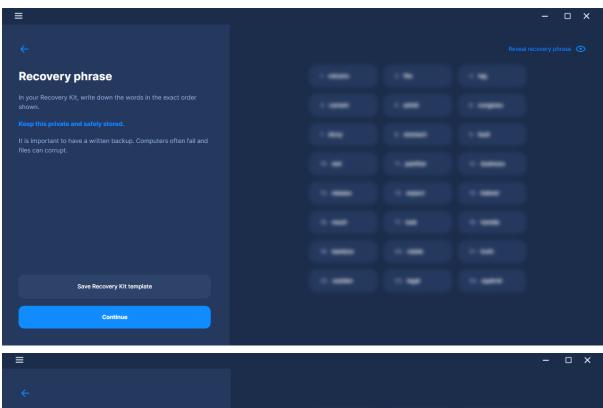
Amankan wallet

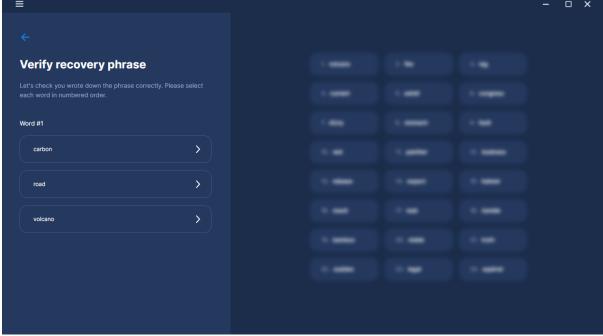


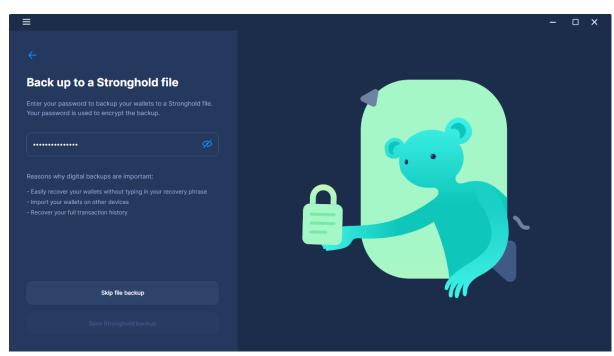


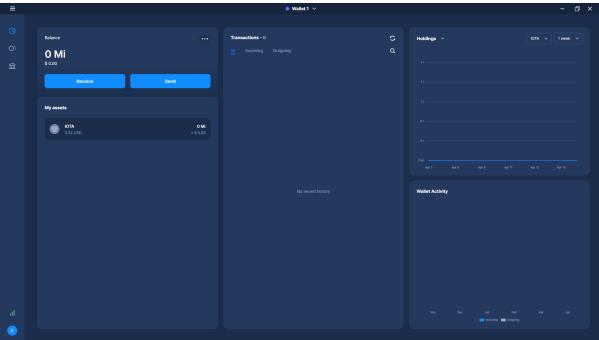










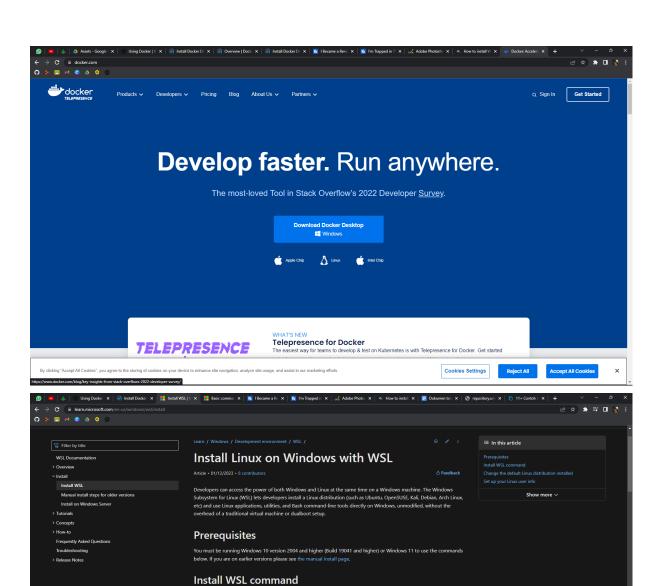


Instalasi Docker dan IOTA



Docker adalah **sistem operasi (atau waktu proses) untuk kontainer**. Mesin Docker diinstal pada setiap server tempat Anda ingin menjalankan kontainer dan menyediakan sekumpulan perintah sederhana yang dapat digunakan untuk membuat, memulai, atau menghentikan kontainer.

- bukak https://www.docker.com/



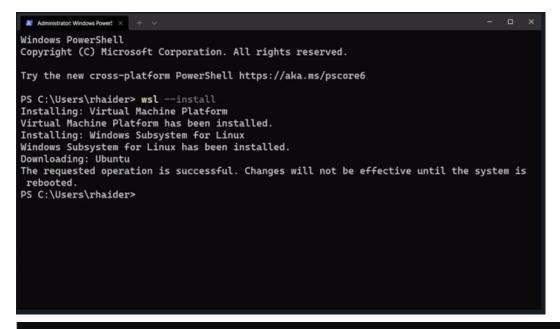
You can now install everything you need to run WSL with a single command. Open PowerShell or Windows Command Prompt in administrator mode by right-clicking and selecting "Run as administrator", enter the wsl --install command.

This command will enable the features necessary to run WSL and install the Ubuntu distribution of Linux. (This default

The first time you launch a newly installed Linux distribution, a console window will open and you'll be asked to wait fo files to de-compress and be stored on your machine. All future launches should take less than a second.

Tell us what you think! Your feedback is essential to us.

then restart your machine.



C:\Users\Zen>wsl --install
The requested operation requires elevation.
Installing: Windows Subsystem for Linux
Windows Subsystem for Linux has been installed.
Installing: Ubuntu
Ubuntu has been installed.
The requested operation is successful. Changes will not be effective until the system is rebooted.

C:\Users\Zen>wsl --version

WSL version: 1.2.0.0

Kernel version: 5.15.90.1

WSLg version: 1.0.51 MSRDC version: 1.2.3770

Direct3D version: 1.608.2-61064218

DXCore version: 10.0.25131.1002-220531-1700.rs-onecore-base2-hyp

Windows version: 10.0.22621.1555

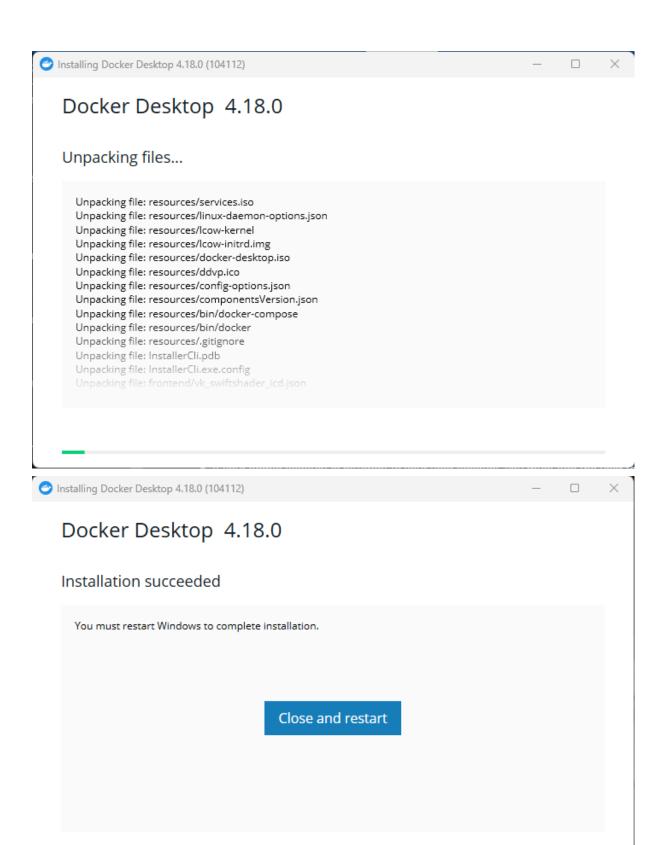
C:\Users\Zen>wsl --update

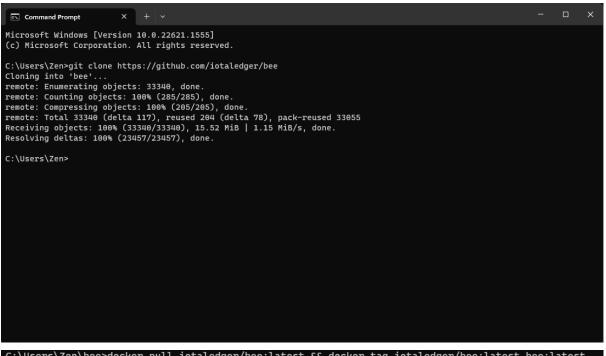
Checking for updates.

The most recent version of Windows Subsystem for Linux is already installed.

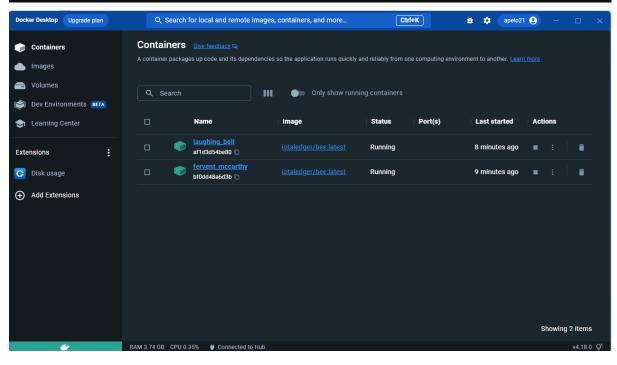
C:\Users\Zen>wsl --set-default-version 2

For information on key differences with WSL 2 please visit https://aka.ms/wsl2 The operation completed successfully.





C:\Users\Zen\bee>docker pull iotaledger/bee:latest && docker tag iotaledger/bee:latest bee:latest latest: Pulling from iotaledger/bee
36698cfa5275: Pull complete
6a8659ec8836: Pull complete
a1f1879bb7de: Pull complete
bb14e507de00: Pull complete
023d1fb2c19b: Pull complete
aa9fe1f7c3a9: Pull complete
183d7be5fbfd: Pull complete
2e4d624d5d2a: Pull complete
2e4d624d5d2a: Pull complete
Digest: sha256:b3216b65a2190e766886de679e9e864a98f30be05b5427a77ee986c15f94415f
Status: Downloaded newer image for iotaledger/bee:latest
docker.io/iotaledger/bee:latest



Set Up a node for IOTA Transaction

Untuk adanya transaksi pada IOTA, maka diperlukannya Node IOTA.

Installing from Source:

```
### Announce metables benefits

### Announce Process

### Announce
```

```
Chocolatey installed 7/7 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
```

Installed:

- llvm v16.0.1
- chocolatey-core.extension v1.4.0
- cmake v3.26.3
- cmake.install v3.26.3
- git.install v2.40.0
- chocolatey-compatibility.extension v1.0.0
- git v2.40.0
- PS C:\WINDOWS\system32>

```
PS C:\WINDOWS\system32> rustup update info: syncing channel updates for 'stable-x86_64-pc-windows-msvc' info: checking for self-updates

stable-x86_64-pc-windows-msvc unchanged - rustc 1.68.2 (9eb3afe9e 2023-03-27)
info: cleaning up downloads & tmp directories
```

Compiling the Bee Node:

```
PS C:\WINDOWS\system32> git clone https://github.com/iotaledger/bee.git --branch mainnet-develop Cloning into 'bee'...
remote: Enumerating objects: 33340, done.
remote: Counting objects: 100% (285/285), done.
remote: Compressing objects: 100% (205/205), done.
remote: Total 33340 (delta 117), reused 204 (delta 78), pack-reused 33055
Receiving objects: 100% (33340/33340), 15.52 MiB | 1.21 MiB/s, done.
Resolving deltas: 100% (23457/23457), done.
Updating files: 100% (794/794), done.
```

```
Compiling serde derive v1.0.136

Compiling serde derive v1.0.136

Compiling memche v2.4 1
                                          iling memchr v2.4.1
iling typenum v1.15.0
iling log v0.4.14
                      ompiling log vo.4.14.5 ompiling generic-array v0.14.5 ompiling libc v0.2.115 ompiling ahash v0.7.6 ompiling pin-project-lite v0.2.8 r: linker `link.exe` not found
               note: program not found
     ote: the msvc targets depend on the msvc linker but `link.exe` was not found
   ote: please ensure that Visual Studio 2017 or later, or Build Tools for Visual Studio were installed with the Visual C++ option.
   ote: VS Code is a different product, and is not sufficient.
 error: could not compile `generic-array` due to previous error
warning: build failed, waiting for other jobs to finish...
error: could not compile `log` due to previous error
error: could not compile `serde_derive` due to previous error
error: could not compile `memchr` due to previous error
error: could not compile `serde' due to previous error
error: could not compile `syn` due to previous error
error: could not compile `libc` due to previous error
error: could not compile `libc` due to previous error
error: could not compile `proc-macro2` due to previous error
error: could not compile `winapi` due to previous error
error: could not compile `typenum' due to previous error
error: could not compile `typenum' due to previous error
error: could not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
error: fould not compile `typenum' due to previous error
                                                                                                                                                                                                                                                                                                                                                                                                                        te.json' because it does not exist.
  S C:\WINDOWS\system32\bee\bee-node>
       Window Noweshell X + V

C:\Users\Zen\Dev\Dev\Devnode> cargo build --release --features dashboard
Compiling primitive-types vol.11.1

Compiling hyper vol.10.20

Compiling tower-http vol. 35.1

Compiling tower-http vol. 35.1

Compiling tower-yl.8.10

Compiling tower-yl.8.10

Compiling server vl.8.10

Compiling server vl.8.10

Compiling server vl.8.10

Compiling tower-http vol.1.64

Compiling clang-sys vl.4.0

Compiling clang-sys vl.4.0

Compiling scharel vol.2.10

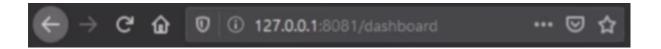
Compiling scharel vol.2.20

Compiling scharel vol.2.30

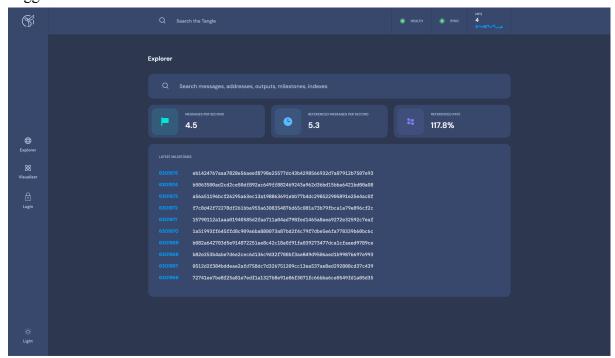
Compiling scharel vol.3.30

Compiling s
                      more information: https://docs.rs/prost-build/msourcing-protoc
:\Users\Zen\.cargo\registry\src\github.com-lecc6399dbbec82\prost-build=0.11.1\src\lib.rs:1227:10
:rum sith *MSS_BACKRACE2*: environment variable to distaly a backtrace
github failed, maiting for other jobs to failed to.
failed to run custom build command for 'inn vi.0.6-beta.8'
                      i by:
ess didn't exit successfully: 'C:\Users\Zen\bee\target\release\build\inx-fbadef93d7a9434f\build-script-build' (exit code: 101)
                                          .
un-if-changed=C:\Users\Zen\.cargo\registry\src\github.com-lecc6299db9ec823\inx-1.0.0-beta.8/proto/inx.proto
run-if-changed=C:\Users\Zen\.cargo\registry\src\github.com-lecc6299db9ec823\inx-1.0.0-beta.8/proto
                  stderr
read "main" panished at
read "main" panished at
read "main" proceed without
st knowledge of protocy is installed and this crate had trouble finding
you can set the "PROTOC' environment variable with the specific path to your
stalled 'protoc' binary.
                     more information: https://docs.rs/prost-build/#sourcing-protoc
C:\Users\Zen\.cargo\registry\src\github.com=lec6299db9ec823\prost-build-0.11.1\src\lib.rs:1227:10
e: run with 'RUST_BACKTRACE=1' environment variable to display a backtrace
\Users\Zen\Dee\Dee-node>
```

docker compose up -d = Untuk menjalankan node pada docker docker compose logs -f bee = Untuk menampilkan log output



Logged Out:



Logged In:

