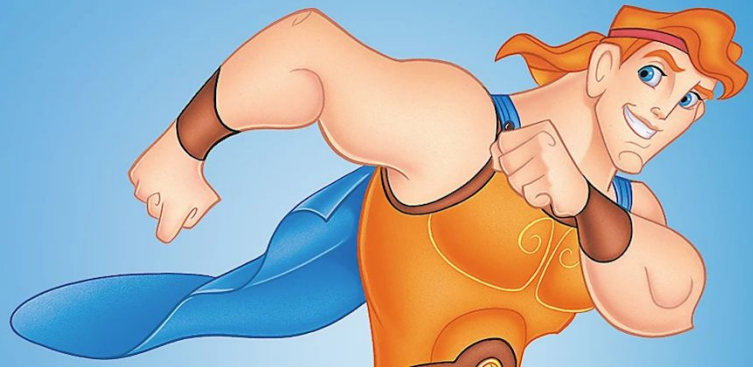


Hercules Coding



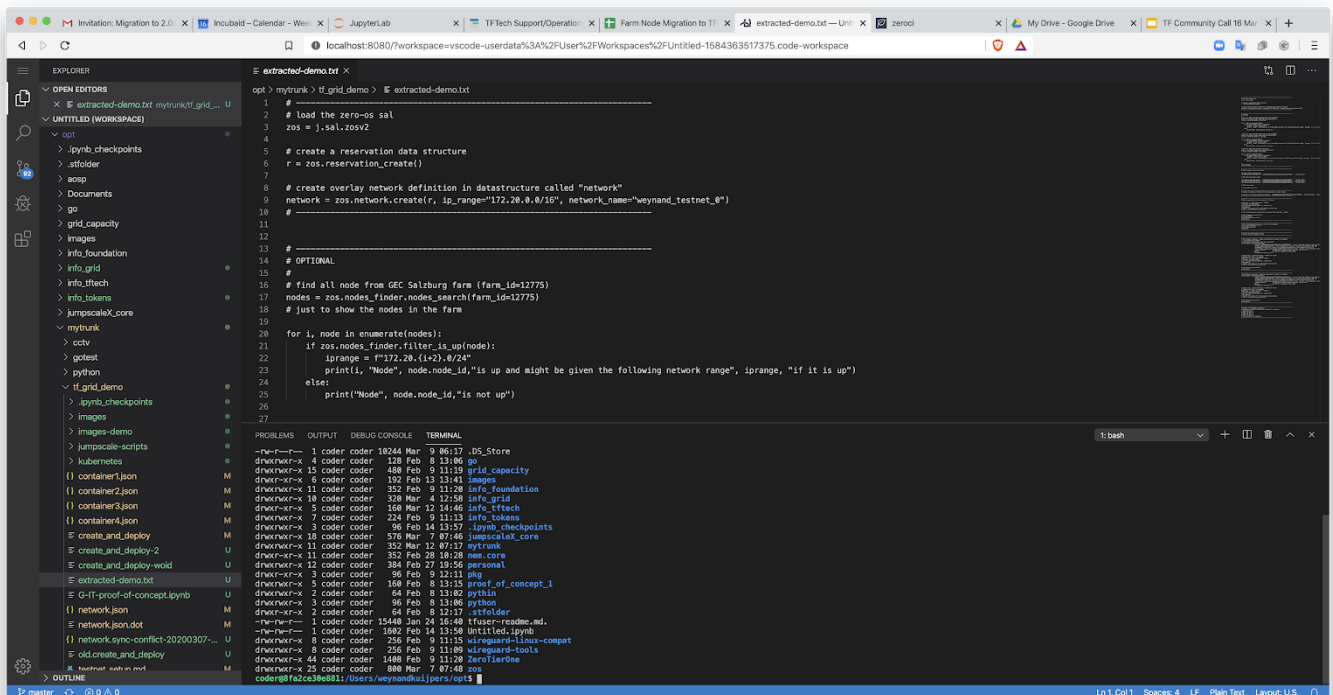
What

Hercules Coder presents an online coding environment which is accessible from any device that is able to run a web browser. This coding environment runs in your 3bot and provides you with a save, private and secure environment to do your coding work. It allows you to connect and store/retrieve code from any public opensource and commercial code repositories supporting the git protocol.

The coding environment includes

- An web based editor (see <https://code.visualstudio.com/>, MIT open source license)
- An auto testing environment made available to the developer by the 3bot this is called ZeroCI
- A decentralized code version control system that can be installed on the 3bot (git based)

Basically everything required to run a full blown development environment in a peer2peer way.



Features

- Runs anywhere in the world on the ThreeFold grid.

- Provides a secure and private connection to the development environment from anywhere, any device that supports the https protocol.
- Uses the git protocol to clone, push and pull coding in and out of the development environment.,

Architecture

The system is a pure development environment allowing the developer to create, store and test code in one environment. This is done in a secure way by having all the required software run securely in a 3bot on the TF Grid.

The 3bot is a general purpose compute and storage entity in which you can run different applications. The codeserver software package runs as a web service in your 3bot and presents secure interfaces (web browser, encrypted and secured traffic).

As a developer you have numerous options to user as a trusted code base storage providers, as long as it support the git protocol to manage content.

- Public and private hub like github and

Main Benefits

- Secure web access to code editor and server
- Secure decentralised storage of created code
- Secure test environment to auto test the created code..
- No central components involved anywhere in this setup
- Enhanced co-editing capabilities and online collaboration
- Peer2Peer git based system.
- Integration with decentralized filesystems like ipfs

Roadmap

v1.0: Summer 2020

We can already demonstrate all features.