

AIS Hackathon 2017

CODARREN

Hackathon 101

Disclaimer

- All copyrights belong to their respective owners.
- Images and text owned by other copyright holders are used here under the guidelines of the Fair Use provisions of United States Copyright Law. These images and text are used here only for educational purposes only, and are not intended to generate income for any commercial purpose whatsoever.





Linux



MariaDB[®]
FOUNDATION



FreeBSD



CISCOTM



“NUMBERS”

>1.2 Million



12

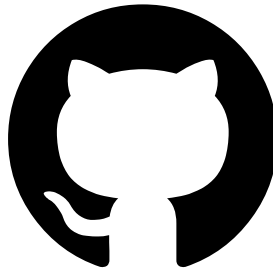


15



“HACKATHON”

Getting Ready!



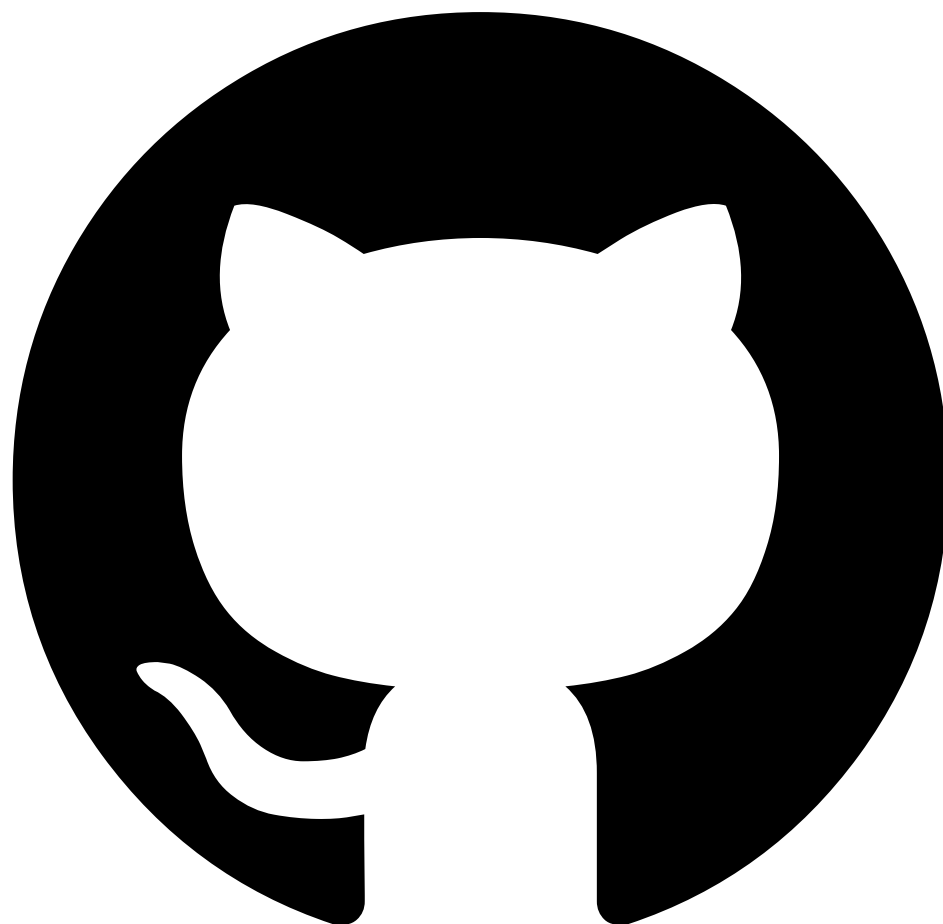
@devildron



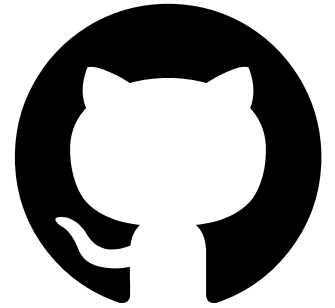
@AIS_africa



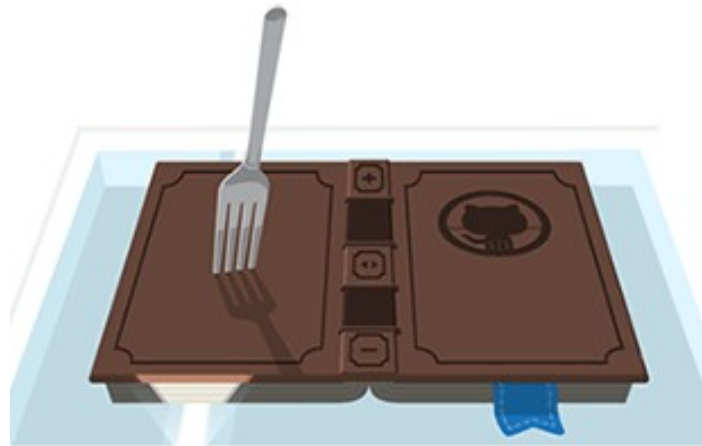
- #Hackathon
- #AISKenya
- #AISKenya #Hackathon is underway !



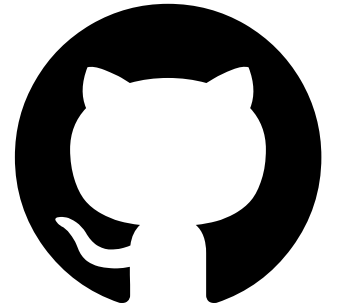
Rules



- Fork it

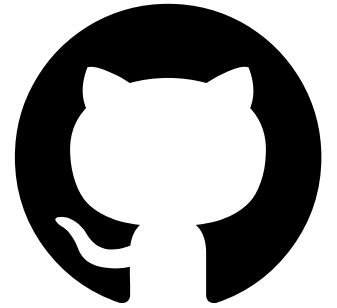


Rules



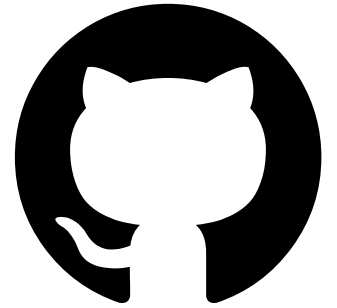
- Make Changes

Rules



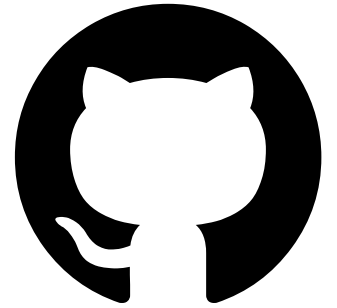
- Send Pull Request

Rules



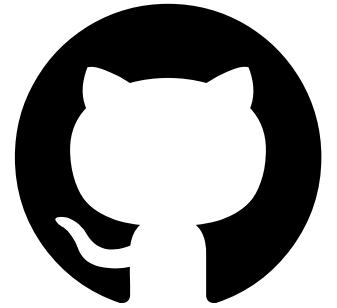
- Code Review

Rules



- Merge (commit)

Rules



- ~~Reject~~



Hypervisor



- Disk Space



make -j8

Snapshot often



“Kernel”

1. Compiling your own ()

- System configuration
- Network configuration

2. Compiling your own (1)

- FreeBSD 11.0 release vmdk
- Run
- Change root password
- Check network adapter → ifconfig
- Note down interface name → em0
- Create rc.conf in /etc/ and add config
- Restart interface
- Network should work !

3. Setting up (SSH)

- Config file `/etc/ssh/sshd_config`
- `#Protocol 2`
- `#PermitRootLogin no`
- Restart SSH → `/etc/rc.d/sshd restart`
- SSH on VM

4. Compiling the kernel

- Get sources for kernel
- Read instructions howto
- Do it !

We are Hackers.mu

- <https://hackers.mu>
- <https://codarren.com>



- “We believe in rough consensus and running code”