## V2X Hub Manual Installation

## Installing V2X-Hub

- 1. Establish an internet connection
- 2. Open a Terminal and run:
  - a. sudo apt-get install git
- 3. Open a web browser and go to:
  - a. <u>https://github.com/usdot-fhwa-OPS/V2X-Hub</u>

## 4. Copy link for cloning:

- a. https://github.com/usdot-fhwa-OPS/V2X-Hub.git
- b. Refer to Figure 1

	Go to file Add file ▼ 👱 Code ▼	About
oud_fix HTTPS gin Use Git i blugin re	Clone (?) HTTPS SSH GitHub CLI https://github.com/usdot-fhwa-OPS/V2X-Hub Use Git or checkout with SVN using the web URL.	V2X Hub is a message handler that acts as a translator and data aggregator/disseminator for infrastructure components of a connected vehicle deployment.
	住 Open with GitHub Desktop	
	) Download ZIP	Releases 3
nd hardcoded password 2 years ago		Release 5.0 Latest on Apr 1, 2020
	4 months ago	+ 2 releases
	2 years ago	

Figure 1. Copy V2X Hub Link from Code

- 5. In Terminal, enter:
  - a. cd
  - b. git clone https://github.com/usdot-fhwa-OPS/V2X-Hub.git
- 6. After cloning, some changes need to be made to some login credentials:
  - a. cd /home/(username)/V2X-Hub/data/DatabaseSetup/
  - b. sudo nano install\_db.sh
  - c. Make changes to lines 6, 13, and 21:
    - i. DBROOTPASS=""
    - ii. DBPASS=""
    - iii. ... VALUES('v2xadmin', 'V2xHub#321', 3) ...
- 7. After changes are made, log into root and change your directory to V2X-Hub/
  - a. sudo -i
  - b. cd /home/(username)/V2X-Hub/
- 8. In a browser, go to https://github.com/usdot-fhwa-OPS/V2X-Hub/blob/develop/Dockerfile
  - a. One line at a time, copy and paste lines 4-18, 22- 30, 34-139 into the terminal, replacing the red commands with the following:
    - i. WORKDIR -> cd
    - ii. RUN > (empty)

- iii. ENV -> export
- b. For WORKDIR commands starting with "/home/V2X-Hub/," use "/home/(username)/V2X-Hub/"
- c. For commands with mkdir, remove combination of ~/
- 9. After step 139 is complete, run:
  - a. /home/(username)/V2X-Hub/container/service.sh
- 10. Installation is complete
  - a. In a browser, go to: https://127.0.0.1:19760
  - b. Accept/save the credentials on the screen
  - c. Open a new tab and go to http://127.0.0.1
  - d. Login to V2X-Hub using login information above