

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. <https://github.com/usdot-fhwa-OPS/V2X-Hub>
4. Copy link for cloning:
 - a. <https://github.com/usdot-fhwa-OPS/V2X-Hub.git>
 - b. Refer to Figure 1

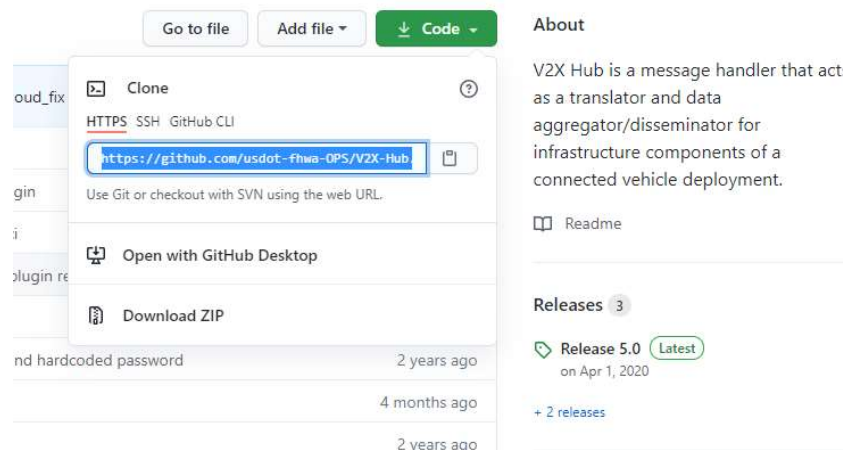


Figure 1. Copy V2X Hub Link from **Code**

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