

1. Update Veins example scenario (Junction and Freeway Scenario):

- Delete the content of **/home/src/veins/examples/veins/**
- Paste the content of veins example scenarios and simulation scripts available at **/home/src/veins/examples/veins/** with the content of provided **veins.zip**

2. Instructions to run SUMO (alone):

- Open terminal in the folders where all the files (.sumo.cfg) exists
- Execute the command: `sumo-gui -c filename.sumo.cfg`
- if the sumo-gui is unknown to environment then,
- Instructions to set SUMO\_HOME in VM:
- Open terminal
- Execute "`gedit ~/.zshrc`" to open the file
- Add following lines at the end of the file

```
export SUMO_HOME="/home/veins/src/sumo"
export PATH="$SUMO_HOME/bin:$PATH"
```

- Save and exit the edited file
- execute "`source ~/.zshrc`"

3. Instructions to run Veins+SUMO example from Omnet++ IDE:

- execute the .ini file from (`~/src/veins/example/veins/`)
- if it does not execute
- Open the terminal in (`~/src/veins`) and run the python file named "sumo-launchd.py" in terminal
- Do not close the terminal
- Now run the .ini file

4. Use the provided .cpp, .h, and .msg files (available in the veins\_src\_files.zip package on Google Classroom). Replace the corresponding default files with these updated ones.

- `/home/src/veins/src/veins/modules/application/ieee80211p/DemoBaseApplLayer.h` with provided `DemoBaseApplLayer.h`
- `/home/src/veins/src/veins/modules/application/ieee80211p/DemoBaseApplLayer.cc` with provided `DemoBaseApplLayer.cc`
- 
- `/home/src/veins/src/veins/modules/mac/ieee80211p/Mac1609_4.h` with provided `Mac1609_4.h`
- `/home/src/veins/src/veins/modules/mac/ieee80211p/Mac1609_4.cc` with provided `Mac1609_4.cc`
- 
- `/home/src/veins/src/veins/modules/messages/DemoServiceAdvertisement.msg` with provided `DemoServiceAdvertisement.msg`
- `/home/src/veins/src/veins/modules/messages/DemoSafetyMessage.msg` with provided `DemoSafetyMessage.msg`
- `/home/src/veins/src/veins/modules/messages/Mac80211Pkt_m.msg` with provided `Mac80211Pkt_m.msg`
- `/home/src/veins/src/veins/modules/messages/BaseFrame1609_4.msg` with provided `BaseFrame1609_4.msg`