

To automaticly run gazebo, SITL, QGroundControl

nano zephyr.sh

**past to sim\_startup.sh file**

```
#!/bin/bash
```

```
# Command to start Gazebo
```

```
gnome-terminal -- bash -c "gazebo --  
verbose/home/halit/ardupilot_gazebo/worlds/zephyr_ardupilot_demo.world"
```

```
wait
```

```
sleep 5
```

```
# Command to open new terminal and change to 'ardupilot' directory
```

```
gnome-terminal -- bash -c "cd ardupilot/ArduPlane"
```

```
# Command to start SITL simulation
```

```
gnome-terminal -- bash -c "sim_vehicle.py -v ArduPlane -f gazebo-zephyr --console"
```

```
wait
```

```
sleep 10
```

```
# Command to start QGroundControl application
```

```
gnome-terminal -- bash -c "exec /usr/bin/flatpak run --branch=stable --arch=aarch64  
org.mavlink.qgroundcontrol "$@"
```

**in terminal**

```
chmod +x zephyr.sh
```

to run file

```
./zephyr.sh
```