

Readme for Heartbeat

Source Code contains three files publisher, subscriber, feedback (.py files).

OS &ROS Version: Ubuntu 20 & ROS Noetic

Publisher.py:

It captures the timestamp and publishes to the topic /heart_beat at the frequency of 1 sec.

Subscriber.py :

It subscribes the topic /heart_beat .

It calculates the time lapsed of the packet from sender to receiver

It also calculates the time difference between reception of two successive packets.

If time difference exceeds 1 sec. It publishes to the topic /heartbeat_feedback

Heartbeat_feedback.py:

It subscribes to the topic /heartbeat_feedback.