

Publisher code for 1Hz message generation

#!/usr/bin/env python3

import rclpy

from rclpy.node import Node

from example\_interfaces.msg import String

class RobotPublisher(Node):

def \_\_init\_\_(self):

super().\_\_init\_\_("publisher")

self.robot\_name\_="ROBOT"

self.publisher\_ = self.create\_publisher(String, "robot\_news", 10)

self.timer\_ = self.create\_timer(1.0, self.publish\_news) #publishes message at 1Hz frequency

self.get\_logger().info("Node Started")

def publish\_news(self):

msg = String()

msg.data = "Hello " + str(self.robot\_name\_)

self.publisher\_.publish(msg)

def main(args=None):

rclpy.init(args=args)

node = RobotPublisher()

rclpy.spin(node)

rclpy.shutdown()

Subscriber code remains same.