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Rosserial_arduino: Lost sync with device, restarting...

0

rosserial   rosserial_arduino

I'm trying to get a service server running on an Arduino. The code compiles, and I know (from debugging with an Arduino-attached LED) that the code to advertise the services is executed and that the sketch's loop() function executes (at about a 1 second interval). However, when I start rosserial_python, I get:

asked Dec 6 '11
mcsmith
66 ●3 ●4 ●9

```
$ rosrun rosserial_python serial_node.py /dev/ttyUSB0
[INFO] [WallTime: 1323211562.638344] ROS Serial Python Node
[INFO] [WallTime: 1323211562.649185] Connected on /dev/ttyUSB0 at 57600 baud
[ERROR] [WallTime: 1323211577.655402] Lost sync with device, restarting...
[ERROR] [WallTime: 1323211592.663968] Lost sync with device, restarting...
```

The sketch initializes the serial port to 57600, rosserial_python's default baud rate.

Any suggestion on why I'm not getting or maintaining sync?

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The problem was that the service objects were incorrectly declared with setup(), not globally. They would go out of scope prematurely, resulting in the symptoms described above.

answered Dec 7 '11
mcsmith
66 ●3 ●4 ●9

link

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1 This happened to me a lot, and 90% of **answered Mar 14 '14**
the time turned out to be because I Elucidation
was trying to push too much data over 13 ●1 ●3 ●5
the line. For example, the ros_lib ADC
example for me will lose sync constantly until I added a delay in
the loop (10Hz works reliably for me).

link

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