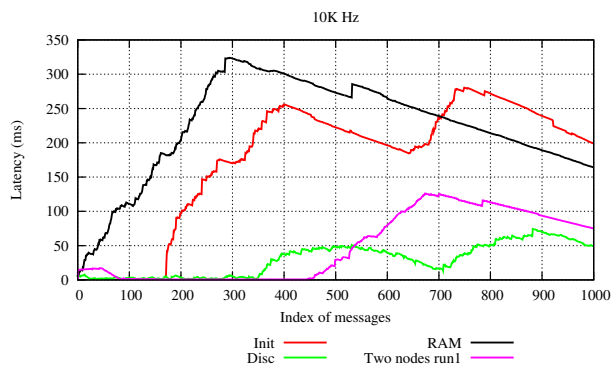


Discussion

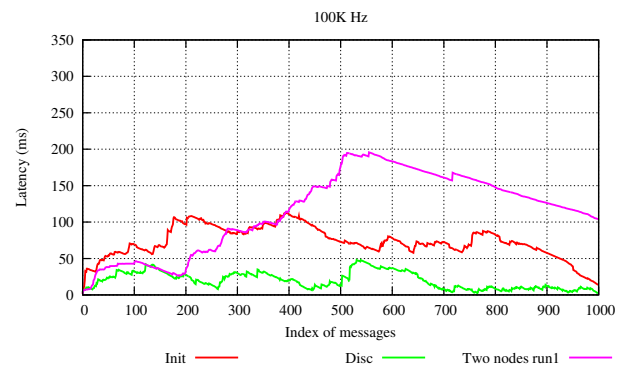
Isaac Jordon, Natalia Chechina, Gerardo Aragon Camarasa, and Phil Trinder

October 22, 2016

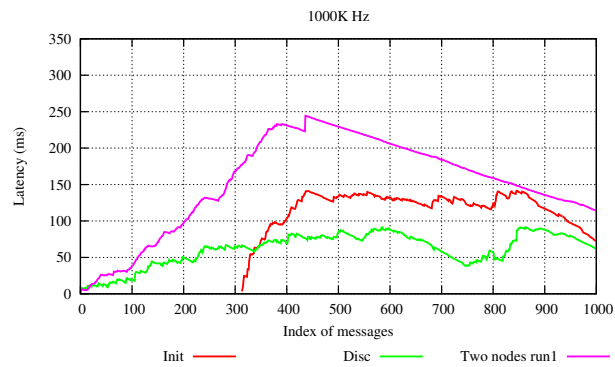
1 Experiment 1



(a) 10,000Hz

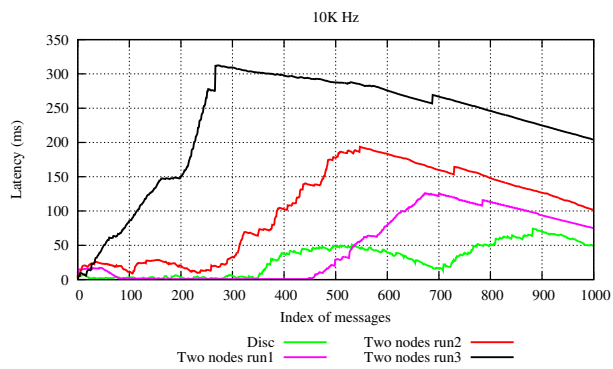


(b) 100,000Hz

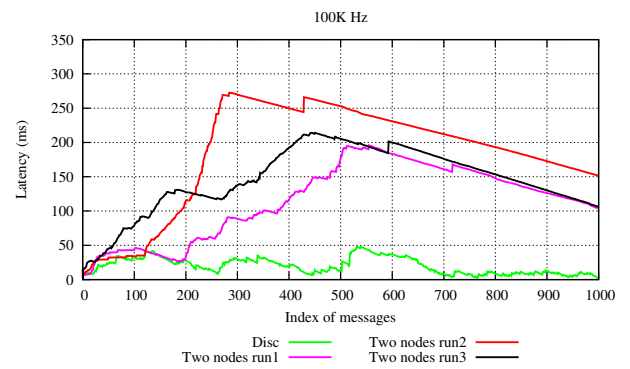


(c) 1000,000Hz

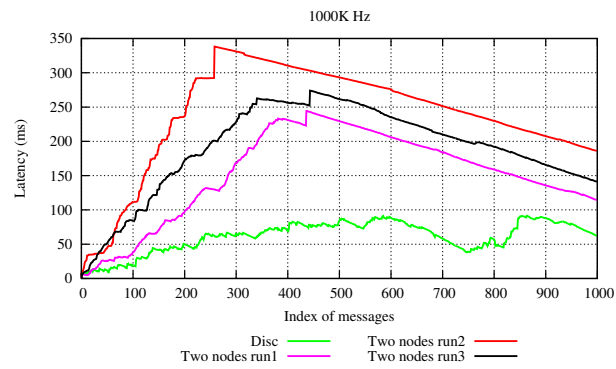
Figure 1: Message Latency



(a) 10,000Hz

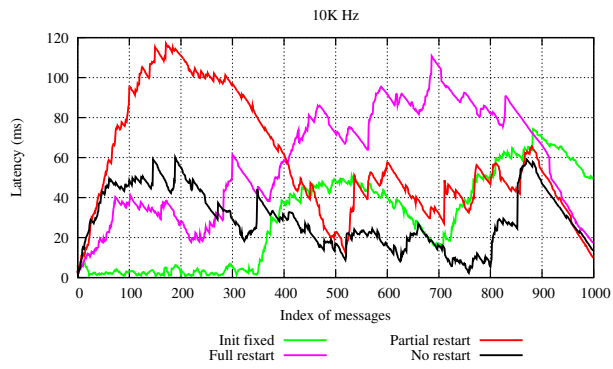


(b) 100,000Hz

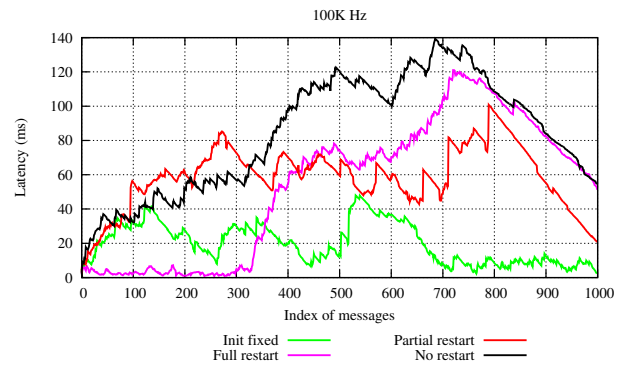


(c) 1000,000Hz

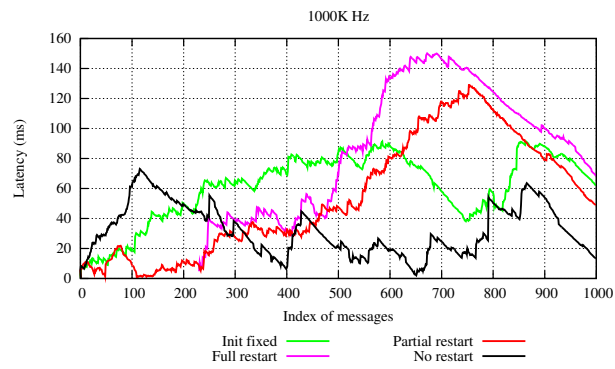
Figure 2: Message Latency (writing on disc, two ROS nodes on Pi-1)



(a) 10,000Hz

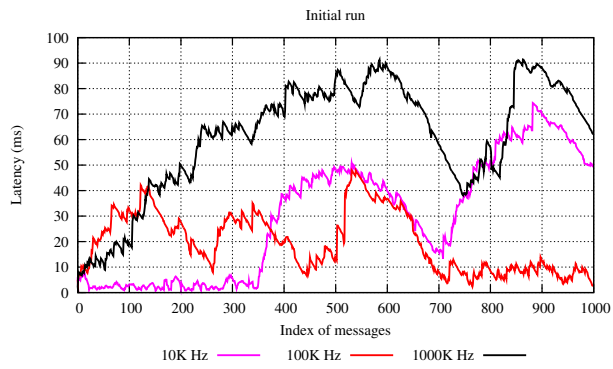


(b) 100,000Hz

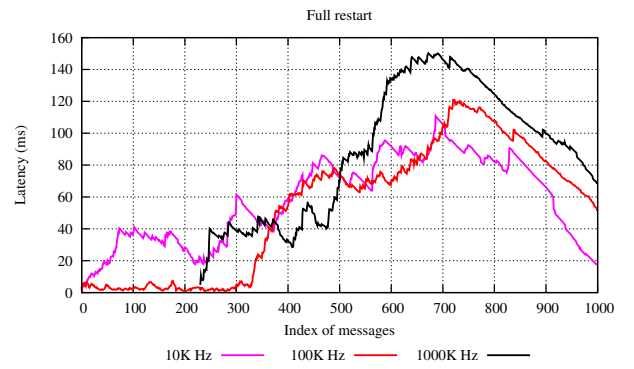


(c) 1000,000Hz

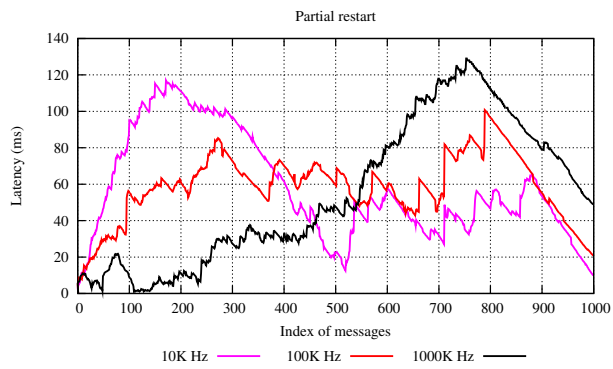
Figure 3: Restart strategies (writing on disc, two Pis, one ROS node per Pi)



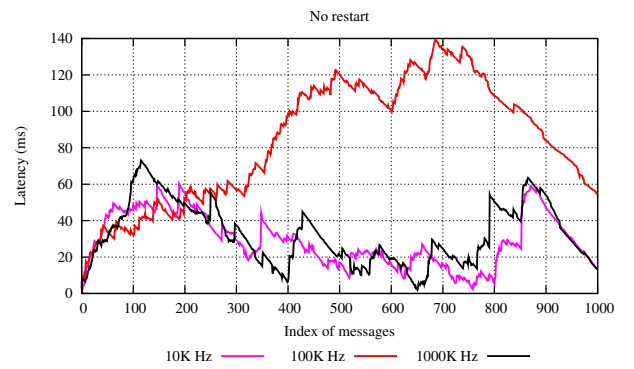
(a) Initial



(b) Full restart



(c) Partial restart



(d) None

Figure 4: Restart strategies (writing on disc, two Pis, one ROS node per Pi)