thread: distribute_data(devices) Loop over all devices to distribute data (~100Hz) data = {} # Dictionary data['t'] = time.time() # Unix time # redvypr.distribute_data adds (if not existing) data['host'] data['device'] **DEVICE 1 DEVICE 2 DEVICE 3 DEVICE 4** def distribute_data(devices): """ The heart of redvypr, this functions distributes the queue data onto the subqueues. while True: time.sleep(0.01) for devicedict in devices: device = devicedict['device'] while True: try: data = device.dataqueue.get(block=False) def start(datainqueue,dataqueue,comqueue): devicedict['numdata'] += 1 while True: except Exception as e: try: break com = comqueue.get(block=False) # Add deviceinformation to the data package except: if('device' not in data.keys()): pass data['device'] = str(device.name) data['host'] = hostinfo time.sleep(0.05) if True: for dataout in devicedict['dataout']: data = datainqueue.get(block=False) devicedict['numdataout'] += 1 dataqueue.put(data) dataout.put_nowait(data) except Exception as e: except Exception as e: logger.debug(funcname + ':dataout of :' + devicedict['device'].name + ' full') for guiqueue in devicedict['guiqueue']: # Put data into the guiqueue, this queue does always exist guiqueue.put_nowait(data) except Exception as e: thread: DEVICE 3 logger.debug(funcname + ':guiqueue of :' + devicedict['device'].name + ' full')