



Deliverables

1) URLs for your rulesets

https://raw.githubusercontent.com/josephhjones/distrabution_labs/master/Lab6/lab6.manage_sensors.krl
 Other Ruleset can all be found in:

https://github.com/josephhjones/distrabution_labs

Testing Harness is found at:

https://raw.githubusercontent.com/josephhjones/distrabution_labs/master/Lab6/test_script.sh

2) A diagram showing the relationships between the picos.

See above

3) Short screencast (< 3 min with sound) showing the basic functionality and also you running your test harness

See Submission

Questions

1) How did your rule that creates the sensor pico install rules in the new child pico?

When creating the Pico I passed in an array of rid in the attribute rids

2) How did you ensure that your sensor picos were created before sending them the event telling them their profile was updated?

I sent the profile update based in an event triggered by wrangler/child_initialized, this event is sent after the child picos is created making the update valid.

3) How did you create a test harness for your pico system?

I used a bash shell script and curl to send various requests, including fake heartbeats to the pico engine.

4) In this set up, the picos representing sensors don't need to talk to each other and the sensor management pico is the parent, so it has channels to each child. How could you provide channels between sensor picos if sensor-to-sensor interaction were necessary?

When establishing the profile, I could additionally pass a parent channel id so that the children would be able to call, and fetch the channel ids of the other children. This could lead to deadlock if used improperly, so I would be careful what kind of communication is allowed.