Manage\_sensors.krl:

Wovyn\_base.krl:

Lesson\_keys.krl:

**Diagram**

1. Why might an auto-approval rule for subscriptions be considered insecure?

Anyone that tries to subscribe to it, the rule would automatically accept, this can be dangerous because someone with bad intentions could just subscribe to the pico and get access to what he/she is not supposed to.

1. Can you put a sensor pico in more than one sensor management pico (i.e. can it have subscriptions to more than one sensor management pico)?

A pico can have multiple managers, but for this lab we did not add more. But it is possible to create more managers to the same pico child.

1. Imagine I have sensor types besides temperature sensors (e.g. pressure, humidity, air quality, etc.). How would you properly manage collections of sensors that include heterogeneous sensor types?

I would have a sensor manager that would have a subscription to all sensor types. This manager would have access to all children and it would be able to manage them.

1. Describe how you'd use the techniques from this lesson to create collections of temperature sensors in particular rooms or areas of a building. For example, I would still have the sensor management pico, but might have collections for each floor in a building.
2. Can a sensor pico belong to more than one collection? After the modifications of this lab, if a sensor belonged to more than one collection and had a threshold violation, what would happen?
3. When you moved threshold violation notifications from the sensor to the management ruleset, did you add the rules to an existing ruleset or create a new one? Why?
4. When you moved threshold violation notifications from the sensor to the management ruleset, did you add only one rule or more than one rule to achieve this end? Which rules did you add and why (i.e. justify the architectural decisions did you made)?