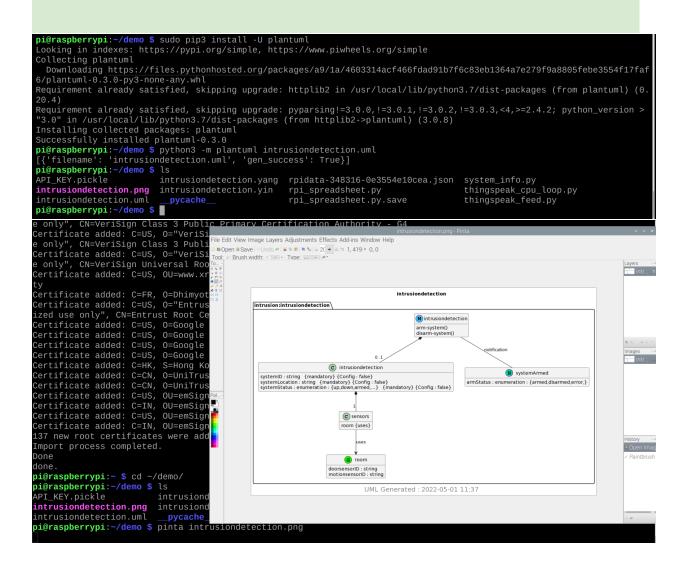
Lab 9 — YANG

- Study the GitHub <u>repository</u> Lesson 9
- Install pyang and PlantUML
- copy ~/iot/lesson9/intrusiondetection.yang to ~/demo
- Run pyang to generate intrusiondetection.yin and intrusiondetection.uml
- Run PlantUML to generate intrusiondetection.png



```
pi@raspberrypi:~ $ sudo pip3 install -U lxml pyang
Looking in indexes: https://pypi.org/simple, https://www.piwheels.org/simple
Collecting lxml
Downloading https://www.piwheels.org/simple/lxml/lxml-4.8.0-cp37-cp37m-linux_armv7l.whl (2.3MB)
100% | 2.3MB 144kB/s
 100% | Collecting pyang
Downloading https://files.pythonhosted.org/packages/44/86/54b1f1037abdc4146f9c624fec0eb7c913320313e1556cc613400cb34b1d/pyang-2.5.3-py2.py3-none-any.whl (592kB)
                                                                                     593kB 619kB/s
100% | S9KB 019KB/3
Installing collected packages: lxml, pyang
Found existing installation: lxml 4.3.2
Not uninstalling lxml at /usr/lib/python3/dist-packages, outside environment /usr
Can't uninstall 'lxml'. No files were found to uninstall.
Successfully installed lxml-4.8.0 pyang-2.5.3
Ppi@raspberrypi:~ $ cp Desktop/CPE322iot/iot/lesson9/intrusiondetection.yang ~/demo/
pi@raspberrypi:~ $ cd ~/demo/
ni@raspberrypi:~ $ ls
pi@raspberrypi:~/demo $ ls
API_KEY.pickle
API_KEY, pickle rpidata-348316-0e3554e10cea.json system_info.py rpi_spreadsheet.py rpi_spreadsheet.py thingspeak_cpu_loop.py rpi_spreadsheet.py.save thingspeak_feed.py
 pi@raspberrypi:~/demo $ cat intrusiondetection.yang
                                                                         Show all help options
Show GEGL Options
Show GTK+ Options
       help-all
   --help-gegl
Application Options:
   -v, --version
--license
                                                                         Show version information and exit Show license information and exit
    --verbose
                                                                          Be more verbose
   -n, --new-instance
-a, --as-new
                                                                          Start a new GIM
                                                                                                                    ect View Image Laver Colors Tools Filters Windows Help
                                                                          Open images as r
                                                                                                                                                                                                                          D . . . .
                                                                          Run without a us
                                                                         Do not load brus
Do not load any
    -d, --no-data
   -f, --no-fonts
-s, --no-splash
                                                                         Do not show a sp
Do not use share
Do not use speci
    --no-shm
                                                                         Use an alternate
    -g, --gimprc=<filename>
                                                                          Use an alternate
       system-gimprc=<filename>
                                                                          Batch command to
   --batch-interpreter=<proc>
-c, --console-messages
--pdb-compat-mode=<mode>
                                                                                                                                                                                                                              inte
                                                                         Send messages to
PDB compatibilit
                                                                         Debug in case of Enable non-fatal
    --stack-trace-mode=<mode>
    --debug-handlers
    --g-fatal-warnings
                                                                          Make all warning
                                                                         Make all warning px 120% intrusiondetection.png (63 M Output a gimpro rite with derautt settings Show a preferences page with experimental features
    --dump-gimprc
   --show-playground
--display=DISPLAY
                                                                         X display to use
```

pi@raspberrypi:~/demo \$ gimp -a intrusiondetection.png