



Indoor Positioning: OpenPTrack

Application prefix: /AliceHome/flow1/tracking1

Device name: /AliceHome/devices/ubuntu/123

1A. Unity asks for a
“track_hint”

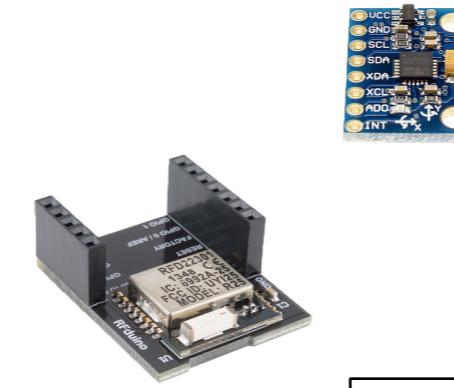
1B. names when asking
for a track location

Visualization: Unity3D

Application prefix: /AliceHome/flow1/visualization1/
Device name: /AliceHome/devices/osx/234

2A. Mobile phone sends command interest
and initiates “track matching” of phone's
ID to Track ID provided by OPT

2B. command interest to control the
dropping of images in Unity



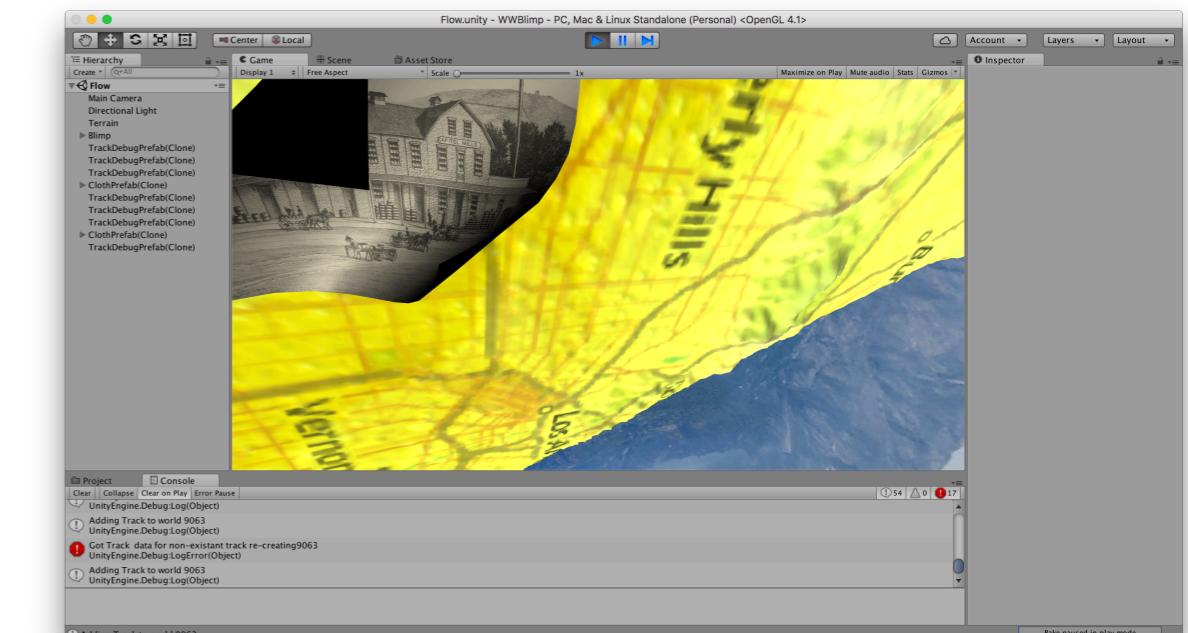
Wearable sensing: RFduino/Gyro
(ble peripheral)

Packetized NDN data with HMAC signature



Bridging RFduino: RaspPi2 (ble central)
Application prefix: /AliceHome/flow1/gyros/gyro1
Device prefix: /AliceHome/devices/rpi2/456

3A. Unity asks for gyroscope
data, produced by RaspberryPi
helper on behalf of RFduinos
connected via Bluetooth LE



Mobile Phone Interface: Android web browser
Device name: /AliceHome/devices/phone/345